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WEATHER BUREAU.

BULLETIN W.

SUMMARIES OF CLIMATOLOGICAL DATA BY SECTIONS.

VOLUME II.

SECTIONS 58 TO 106, INCLUSIVE, EMBRACING THE SECTIONS EAST OF THE MISSISSIPPI RIVER.

Prepared under the direction of WILLIS L. MOORE, Chief of Weather Bureau.

By the CLIMATOLOGICAL DIVISION.

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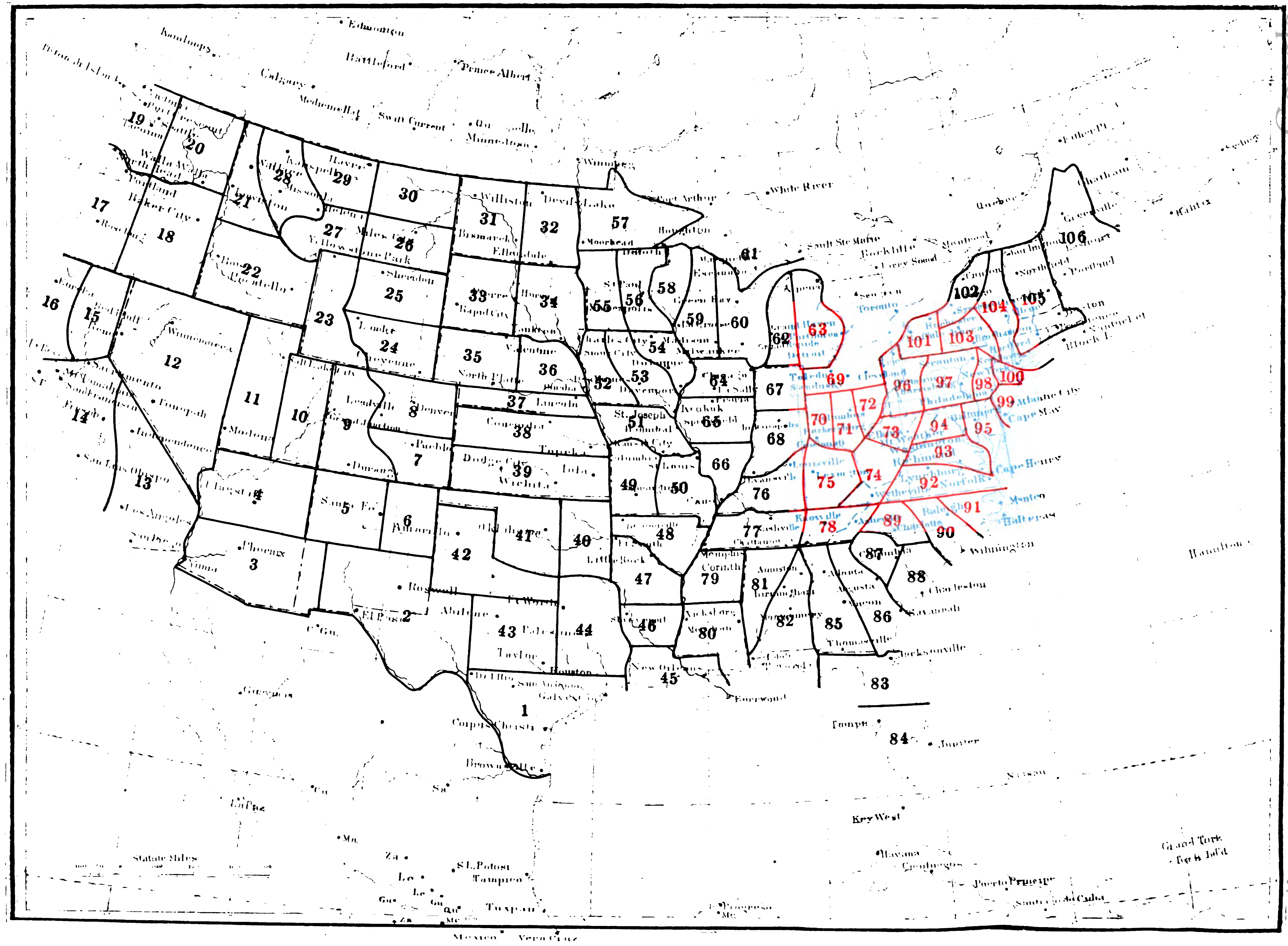
106 Climatological Sections in the United States.



[Reprinted from MONTHLY WEATHER REVIEW, 1910, 38:498.]

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By Prof. FRANK H. BIGELOW, in charge of the Climatological Division.

The climatological data of the United States, which have accumulated for the last half century, have been recently collected together in a series of summaries, 106 in number, covering the United States by sections, as given on the accompanying chart. It has been found convenient for various purposes to bring the data together for ready reference, in order that the numerous inquiries addressed to the Central Office or to the section directors may be more readily answered. The summaries also serve the purpose of special studies on the part of engineers and others interested in water resources, in farming operations, and in climatological matters generally. The records of the Central Office have been carefully compared with the retained copies on the stations, and all possible errors have been eliminated from these tables. The Annual Report of the Chief of the Weather Bureau will contain similar data for the years succeeding 1908, so that the record will be continuous for the future. The summaries contain a statement of the topographical and climatic features of the region, with remarks of a practical nature such as are likely to be of interest to the reader. The tables include the precipitation for the section, giving the monthly, annual, and average amounts of rain or the equivalent of snow in inches and hundredths. Some gaps which have occurred in the records are filled in by interpolation of data from surrounding stations, such interpolated values being printed in bold faced type.

A series of subordinate tables follow, giving (*a*) the average number of days with 0.01 inch or more of precipitation in each month; (*b*) the mean temperature; (*c*) the highest temperature; (*d*) the lowest temperature; (*e*) the average hourly wind movement in miles; (*f*) the mean relative humidity in percentage; (*g*) the prevailing wind direction; (*h*) the frost data, etc.

A brief summary of hydrographic data for the section, furnished by the United States Geological Survey, is added, which gives some of the relations between the precipitation and the discharge of the important rivers for each month, namely, the maximum, minimum, and mean discharge in second-feet; also per square mile, together with the run-off as depth in inches on the drainage area and total in acre-feet.

Diagrams are added showing the comparative monthly distribution of precipitation at a number of stations, and a chart showing the boundaries of the sections, the location and number of reporting stations, river systems, and general elevation above sea level.

These summaries will finally be brought together in a volume and this will give a history of the climate of the United States in as convenient a form for reference as is practicable.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

BY THE CLIMATOLOGICAL DIVISION, P. C. DAY, ACTING CHIEF OF DIVISION.

SECTION 58.—NORTHWESTERN WISCONSIN.

Section 58 covers about one-third of the State of Wisconsin, being the northwestern portion. The Mississippi River forms the most of its southern and western boundaries and Lake Superior lies along its northern border.

The Chippewa River, with its tributaries, is the most important factor in the drainage of this section, although there are many smaller streams emptying into the Mississippi above the mouth of the Chippewa and quite a number flowing north into Lake Superior.

An undulating plateau, having an altitude ranging from 1,000 to 1,600 feet above sea-level, crosses this section east and west, north of its center. This topographical feature has quite a bearing on the climate in that portion of the section. The altitude gives low night temperatures, especially in the winter, and causes frosts late in the spring and in the early autumn, but does not prevent high day temperatures in clear weather in the summer. Consequently, although the lowest actual winter temperatures for the State are nearly always found here, it is not unusual for the highest summer temperatures for the State to be recorded within the limits of this plateau.

To the south of the plateau referred to above and in the neighborhood of the Mississippi River, is found the more common type of interior or continental climate.

The proximity of Lake Superior has a marked effect over the strip of territory in the vicinity of that lake, and in that region, and especially at stations near the lake, the temperature at certain times of the year is largely controlled by the direction of the wind. During the summer a steady southwest wind sweeping up from the great heated interior country may carry the temperature up to 100° or even higher, but a strong breeze from the northeast will soon lower it to 60° or less. This effect is greatest at the lake shore and decreases as we move into the interior, until it practically disappears at a distance of about thirty miles from the lake. In the winter, and especially in the first half of it, these conditions are reversed, but the change in temperature due to a change in wind is not as great as in the summer.

In the north-central part of this section the lowest temperatures for the State are found, and in the same locality maximum temperatures as high as any in the State occur. The minimum temperature has been known to go as low as 50° below zero in this region and the maximum as high as 105°. The mean annual temperature for the section ranges from 40° in the northern portion to 45° in the southern.

The annual precipitation runs from about 28 inches in the extreme northern portion of the section to 32 inches in the east-central and west-central localities. The precipitation is fairly well distributed throughout the year, but is heaviest in the summer months. June usually gives the greatest amount of any month, the average over the section for this month being slightly more than four inches, while February averages only a little more than one inch.

The greater part of the precipitation in the winter months is in the form of snow, though rain storms occasionally occur in these months.

The annual rainfall usually does not vary greatly, from year to year, seldom exceeding 40 inches and rarely going as low as 20 inches.

Thunderstorms are of somewhat frequent occurrence during the summer months and some of them are quite violent. They are frequently accompanied by destructive winds and hail. Tornadoes are occasionally reported in this section and, in fact, they appear to be more frequent than in other portions of the State. As the greater portion of this section is sparsely settled, they have seldom occasioned any loss of life or important damage to property.

While frosts have been known to occur in some exposed places in the central portion of this section in all months of the year, crops are generally safe after June 10th until September 5th even in the coldest counties and in more favorable localities from June 1st until September 10th. Most years the season free from frost is considerably longer than this.

The following tables, charts and diagrams giving details of the precipitation, temperature and other climatic features will be found of especial value to any who wish to make a careful study of the climate in any particular locality in the section.

H. B. HERSEY,
Inspector and Section Director.

Precipitation at Stations in Northwestern Wisconsin.

[Boldface figures indicate amounts estimated from nearby stations.]

ASHLAND, ASHLAND COUNTY, WIS.

(Elevation, 647 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	1.13	2.23	2.01	2.14	1.34	4.57	1.51	3.26	2.86	2.72	1.68	2.81	28.26
1892...	1.24	1.49	1.87	2.90	4.96	2.41	3.03	4.01	0.45	1.32	1.54	0.44	26.26
1893...	1.23	4.10	2.51	2.76	2.22	2.68	3.72	1.32	1.45	3.20	1.49	1.93	28.61
1894...	1.28	1.03	5.09	3.80	6.45	2.90	1.30	1.82	2.27	4.98	1.20	0.25	32.37
1895...	2.30	0.00	0.11	0.15	....	....	....	....	....	....	....	1.40	.....
1896...	0.70	0.65	0.75	4.30	3.62	1.75	1.71	1.00	1.27	3.64	3.22	1.20	23.81
1897...	2.00	0.80	1.60	1.65	2.07	4.41	8.21	3.39	2.86	1.67	1.06	1.20	30.32
1898...	0.80	1.80	0.30	0.40	2.50	1.90	0.55	2.20	1.60	3.40	1.40	1.75	18.60
1899...	1.55	1.20	1.40	2.20	2.70	4.37	3.18	4.42	3.10	3.40	0.30	2.30	30.12
1900...	1.80	1.00	0.48	2.50	0.76	1.37	5.71	4.80	4.40	2.91	1.22	0.84	27.97
1901...	0.37	0.39	2.81	1.36	2.00	8.68	6.44	2.33	3.37	2.00	1.42	0.64	31.81
1902...	0.81	1.39	0.45	2.23	1.66	2.79	4.82	1.99	4.10	1.55	2.69	1.76	26.24
1903...	0.41	1.19	1.98	2.03	6.77	0.93	6.55	5.39	5.22	**3.29**	0.80	1.12	35.68
1904...	0.22	1.08	1.64	0.97	1.09	3.47	3.43	2.94	4.09	5.89	0.48	1.68	26.98
1905...	1.34	0.45	0.77	1.98	3.13	8.10	2.47	3.48	6.58	3.42	1.80	0.11	33.63
1906...	1.37	0.37	0.90	2.12	3.59	4.43	2.38	5.30	5.04	3.03	2.90	1.71	33.14
1907...	1.12	0.73	1.65	1.94	3.57	1.54	**4.10**	**3.47**	2.99	0.52	0.49	0.30	22.42
1908...	1.39	1.42	1.78	2.07	6.54	2.48	4.91	1.19	1.80	2.42	1.35	0.59	28.54
1909...	0.56	2.10	1.00	2.55	4.38	3.04	8.70	4.14	2.93	1.83	2.47	0.94	34.64
Means	1.14	1.23	1.53	2.11	3.30	3.43	4.07	3.14	3.13	2.84	1.53	1.21	28.66

BARRON, BARRON COUNTY, WIS.

(Elevation, 1,115 feet.)

1891...	....	....	....	....	....	2.68	1.86	1.42	1.46	1.90	0.70	4.52	.....
1892...	0.26	1.73	0.98	2.29	7.03	7.44	4.61	3.94	1.77	1.80	1.04	0.71	33.60
1893...	1.23	2.91	1.75	4.91	3.85	1.25	3.28	3.66	2.85	3.40	....	2.05	.....
1894...	1.68	0.45	2.44	4.64	8.94	2.01	2.40	1.30	1.85	4.73	1.40	1.24	33.08
1895...	0.83	0.60	0.48	1.68	3.63	4.87	4.93	1.78	3.90	0.26	0.80	1.66	25.42
1896...	1.63	....	....	....	....	....	....	....	....	....	....	....	.....
1897...	2.03	1.75	2.60	1.86	2.17	6.23	5.54	1.25	2.93	1.85	0.29	**0.30**	28.80
1898...	**0.85**	1.83	1.80	1.02	4.40	2.27	1.30	2.51	0.98	4.64	1.00	T.	22.60
1899...	0.45	1.16	3.30	1.73	3.15	[illegible]	[illegible]	5.87	0.65	4.26	0.95	2.02	32.54
1900...	1.16	....	1.19	1.11	1.71	2.20	7.70	7.64	....	5.40	1.00	1.05	.....
1901...	0.49	0.50	3.50	2.22	1.82	5.23	5.10	1.70	6.55	1.28	**1.50**	0.40	30.29
1902...	1.50	0.26	0.86	2.06	3.63	4.39	3.65	1.09	2.39	0.68	4.30	1.37	26.18
1903...	0.59	0.40	2.52	2.44	5.86	3.04	6.55	4.75	5.95	3.20	0.50	0.54	36.34
1904...	1.25	1.40	1.14	2.20	6.55	8.45	6.15	5.51	6.76	5.61	T.	0.90	45.92
1905...	1.50	0.50	0.47	1.00	4.50	13.70	3.50	8.50	3.70	2.40	2.70	T.	42.47
1906...	3.20	0.40	1.00	2.58	7.45	3.84	2.40	2.92	2.08	1.20	0.43	**1.00**	28.50
1907...	1.30	1.05	1.08	0.70	1.83	3.39	2.75	2.50	3.75	....	....	....	.....
1908...	**0.50**	**1.00**	1.75	4.05	3.85	5.64	2.56	1.61	1.46	3.08	0.95	0.87	27.32
1909...	0.35	1.35	0.80	3.61	2.60	2.56	2.96	4.08	4.27	2.54	4.48	1.24	30.84
Means	1.12	1.08	1.63	2.36	4.29	4.79	3.88	3.45	3.14	2.84	1.38	1.17	31.13

BUTTERNUT, ASHLAND COUNTY, WIS.

(Elevation, 1,508 feet.)

1889...	....	....	....	....	....	....	....	....	....	0.38	2.73	1.73	.....
1890...	1.02	5.42	....	1.58	3.73	3.77	6.46	5.76	4.75	3.12	0.94	0.39	.....
1891...	1.11	1.73	2.05	1.57	0.70	2.64	....	2.53	1.71	2.40	....	....	.....
1892...	0.30	2.30	1.30	0.30	2.15	....	....	....	....	....	....	0.56	.....
1893...	0.44	1.34	1.67	2.52	3.88	....	5.14	5.01	2.37	3.77	0.70	2.26	.....
1894...	0.77	0.27	3.23	....	....	....	....	....	....	....	0.90	0.84	.....
1895...	1.37	0.63	0.30	0.38	6.15	5.38	4.21	....	10.21	0.51	0.28	2.03	.....
1896...	1.54	0.49	1.70	3.18	4.04	....	9.45	....	....	....	....	....	.....
1897...	1.25	0.88	1.65	....	....	6.54	15.11	1.31	2.38	2.01	1.25	....	.....
1898...	0.77	1.93	1.46	0.83	1.27	....	....	....	....	....	....	0.25	.....
1899...	1.50	1.35	2.01	1.76	....	....	1.94	4.71	3.13	5.08	1.16	2.70	.....
1900...	0.40	1.30	1.05	0.96	0.91	1.16	6.55	8.86	8.07	6.02	1.77	1.17	38.22
1901...	0.72	0.50	2.30	1.45	1.42	5.03	5.41	5.29	3.37	**1.90**	0.60	0.72	28.71
1902...	0.91	1.65	2.09	2.78	1.44	3.37	3.06	1.74	3.93	3.06	2.98	1.51	28.52
1903...	0.75	1.64	3.27	3.61	8.88	1.58	9.88	4.56	6.98	3.00	1.26	1.27	46.68
1904...	0.67	0.50	2.05	1.29	**3.30**	3.50	2.88	6.56	3.18	4.59	0.10	2.48	31.10
1905...	1.63	0.44	0.98	0.33	4.47	10.38	4.88	6.34	4.44	3.45	2.66	2.05	42.05
1906...	3.38	0.42	1.92	2.26	4.11	4.08	0.79	3.14	3.85	4.39	3.37	**1.50**	33.21
1907...	1.80	0.70	1.52	1.06	2.14	1.89	....	....	8.91	0.16	0.68	0.48	.....
1908...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1909...	0.43	....	....	....	....	....	3.70	....	....	3.09	....	0.62	.....
Means	1.09	1.36	1.80	1.62	3.17	4.11	5.67	4.65	4.81	2.93	1.43	1.33	33.97

Record for 1909 at Glidden.

DOWNING, DUNN COUNTY, WIS.

(Elevation, 968 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	2.05	2.63	3.12	3.37	2.14	4.30	2.44	3.85	**1.41**	4.16	0.52	5.33	35.32
1892...	0.47	1.90	2.09	2.13	7.46	5.83	8.31	2.91	2.90	2.60	0.76	1.09	38.35
1893...	1.43	3.53	2.81	6.17	2.55	1.54	2.81	2.33	2.59	2.93	0.77	4.01	33.47
1894...	1.25	0.32	3.02	5.65	10.56	1.90	0.42	0.50	2.93	4.33	1.93	1.68	34.49
1895...	1.23	0.55	....	....	....	....	....	....	....	....	....	....	.....
1896...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1897...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1898...	**0.84**	1.04	0.87	1.23	2.67	4.86	2.11	3.55	0.10	4.45	1.04	T.	22.76
1899...	0.65	0.60	1.10	1.60	5.87	8.37	**1.64**	4.91	3.42	4.45	[illegible]	[illegible]	35.31
1900...	0.31	0.51	1.10	2.00	0.04	2.46	10.55	4.34	9.46	7.46	0.37	**0.95**	39.55
1901...	....	....	....	2.15	....	....	....	1.31	5.20	1.39	....	....	.....
1902...	0.60	[illegible]	0.30	2.15	3.80	[illegible]	3.73	2.00	2.45	1.65	3.80	3.61	27.99
1903...	0.30	0.05	2.06	3.55	7.14	1.62	8.78	5.01	7.37	2.45	0.52	0.80	39.65
1904...	1.00	0.65	2.10	2.00	4.72	4.92	5.60	4.90	4.20	7.44	0.10	0.90	38.53
1905...	1.60	1.00	1.01	T.	5.90	7.05	2.65	7.40	2.30	3.15	1.06	0.50	33.62
1906...	3.00	T.	1.20	2.25	8.44	4.45	1.95	5.63	4.91	3.51	1.68	1.80	38.82
1907...	3.14	1.60	2.21	1.26	1.70	6.24	3.30	4.71	5.06	1.10	1.00	0.30	31.62
1908...	0.91	1.80	1.50	5.45	2.75	9.32	1.60	1.50	1.20	1.03	1.08	1.20	29.34
1909...	0.60	2.80	0.40	2.81	2.56	4.77	4.96	3.50	4.29	2.94	4.56	1.15	35.34
Means	1.17	1.24	1.66	2.74	4.55	4.71	4.06	3.65	3.77	3.44	1.33	1.67	33.99

Note—Observations at Menomonie from January, 1891, to February, 1895; at Knapp from January, 1898, to June, 1902; at Downing from July, 1902, to December, 1909.

DULUTH, DOUGLAS COUNTY, MINN.

(Elevation, 1,188 feet.)

1870...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1871...	2.44	1.32	1.18	3.97	1.40	3.16	4.73	2.14	3.15	4.19	1.47	2.05	31.20
1872...	0.86	0.46	0.85	1.80	4.62	4.46	5.84	2.84	5.01	0.42	2.48	0.48	30.12
1873...	0.75	0.93	2.29	0.30	3.89	9.90	8.50	2.45	5.16	2.31	1.59	0.66	38.73
1874...	0.58	0.61	1.82	0.49	1.80	10.89	2.62	5.62	5.59	3.07	1.97	1.37	36.43
1875...	0.86	0.98	2.17	2.82	2.45	1.84	0.47	6.19	3.77	2.60	1.78	1.10	27.03
1876...	0.69	1.03	2.16	1.99	3.74	4.69	4.03	3.92	4.21	2.15	2.79	0.87	32.27
1877...	1.45	0.10	0.70	1.20	7.24	4.89	3.57	1.48	5.67	4.92	1.05	1.95	34.31
1878...	0.55	0.32	1.34	5.18	2.83	4.81	2.53	0.52	4.68	3.55	0.69	1.09	28.09
1879...	0.72	1.46	1.91	0.90	7.99	5.57	10.42	1.58	5.24	3.95	1.65	3.89	45.28
1880...	1.21	1.57	2.43	3.17	4.31	10.40	1.98	4.35	1.86	2.32	2.91	1.54	38.05
1881...	1.65	1.79	1.46	1.10	1.77	2.52	1.84	7.36	11.52	3.76	2.58	0.20	37.55
1882...	0.57	2.02	3.05	2.51	7.14	6.72	4.92	3.47	1.29	3.56	1.66	1.11	38.02
1883...	1.12	0.78	0.38	1.20	2.07	4.14	2.48	0.98	2.21	3.19	1.63	3.02	23.20
1884...	0.67	2.71	1.32	3.64	5.17	1.13	3.43	6.92	4.70	3.47	0.95	1.22	35.35
1885...	0.61	0.32	0.77	0.89	1.53	4.82	3.46	2.51	2.35	0.79	1.37	0.54	19.96
1886...	2.26	1.81	1.07	4.97	1.93	5.35	1.48	2.23	6.05	2.45	2.84	0.93	33.37
1887...	1.62	0.81	0.55	1.58	4.93	2.71	4.17	1.53	2.68	3.34	1.99	2.05	28.56
1888...	1.53	0.24	0.81	1.97	4.12	5.54	3.86	4.17	2.27	1.68	0.87	0.25	27.31
1889...	1.34	1.38	1.67	3.35	2.05	1.85	5.53	7.87	4.02	0.34	0.87	1.77	32.04
1890...	0.87	1.09	1.16	1.75	2.24	3.33	3.51	3.62	2.39	3.03	0.91	0.19	24.09
1891...	0.67	2.07	3.13	1.71	2.28	2.67	3.82	3.11	3.31	1.83	1.11	3.76	29.47
1892...	0.48	1.46	2.02	3.70	6.54	5.32	2.18	4.28	0.32	0.38	1.60	0.15	28.52
1893...	1.06	1.64	2.28	3.64	2.31	1.59	3.76	1.51	1.04	1.84	0.76	1.91	23.34
1894...	1.51	0.25	4.30	5.85	5.62	1.80	0.92	1.08	2.08	4.99	1.43	1.87	31.70
1895...	0.75	0.48	0.48	0.73	2.13	4.62	3.03	1.67	5.96	0.09	1.65	0.71	22.30
1896...	1.30	0.19	1.59	4.06	5.18	2.00	1.74	2.41	1.00	3.46	3.42	0.84	27.19
1897...	1.48	2.21	1.34	0.72	1.63	3.48	9.29	3.91	3.14	2.11	0.78	0.85	30.94
1898...	0.38	0.89	0.75	0.41	3.30	3.52	1.33	3.39	1.21	3.39	0.94	0.19	19.70
1899...	0.67	0.66	0.82	1.33	4.66	7.10	1.82	6.18	2.05	3.54	0.61	1.18	30.62
1900...	0.71	0.28	0.94	0.39	0.62	1.05	3.94	6.15	4.80	3.07	0.54	0.65	23.14
1901...	0.36	0.72	1.95	1.23	0.97	9.09	4.39	1.70	2.30	2.01	1.28	0.68	26.68
1902...	0.74	0.70	0.77	1.09	3.89	3.68	4.54	3.30	1.52	2.03	1.85	2.03	26.14
1903...	0.83	0.67	1.87	2.16	3.54	0.79	3.50	3.80	4.76	3.84	0.95	1.30	28.01
1904...	0.20	1.25	1.67	0.50	1.48	3.78	3.82	2.47	3.48	4.66	0.24	0.90	24.45
1905...	0.78	0.42	1.05	1.97	2.46	8.75	4.02	3.55	7.72	2.49	2.49	0.07	35.77
1906...	1.78	0.30	0.95	1.51	3.38	7.05	0.97	3.95	3.66	2.34	1.68	1.21	28.78
1907...	1.07	0.71	1.56	0.92	1.60	1.59	3.41	4.28	6.71	0.95	0.53	0.54	23.87
1908...	0.33	1.14	1.54	2.07	5.73	4.48	5.34	2.10	3.55	2.97	1.32	0.48	31.05
1909...	1.02	1.34	0.78	2.15	1.87	1.33	10.83	4.91	3.28	2.15	2.16	1.83	33.65
Means	0.99	1.00	1.51	2.07	3.40	4.42	3.89	3.47	3.74	2.65	1.53	1.23	29.88

EAU CLAIRE, EAU CLAIRE COUNTY, WIS.

(Elevation, 800 feet.)

1891...	....	2.95	1.85	1.70	2.00	5.40	2.20	1.70	1.07	3.10	0.70	4.65	.....
1892...	0.30	1.60	1.00	2.40	6.15	9.10	....	....	2.90	1.70	0.75	1.00	.....
1893...	1.31	2.70	1.90	5.90	4.87	0.66	2.73	1.77	2.21	3.26	1.30	5.10	33.71
1894...	1.30	0.90	2.03	2.92	6.62	....	....	....	....	2.90	1.23	1.09	.....
1895...	0.98	0.44	0.22	1.67	1.17	5.60	4.13	1.28	4.06	0.56	1.83	0.90	22.84
1896...	1.40	0.40	0.60	6.35	4.50	6.25	2.67	3.00	3.03	3.00	3.70	0.50	35.40
1897...	2.00	2.75	4.10	1.16	3.65	5.05	3.26	**3.85**	**3.10**	2.49	0.92	0.72	31.40
1898...	0.32	2.26	2.85	2.22	1.96	1.50	1.27	0.23	0.77	5.13	1.79	0.27	20.57
1899...	0.98	1.47	2.90	1.58	8.47	7.02	1.62	7.67	3.23	3.61	0.67	2.20	41.42
1900...	1.00	1.49	1.23	2.95	0.75	1.86	8.88	3.37	8.73	9.41	1.32	1.00	41.99
1901...	0.56	0.63	3.58	1.45	2.26	6.47	4.01	2.06	5.71	4.64	0.54	0.55	32.46
1902...	0.77	0.88	1.51	3.49	5.27	2.27	5.91	3.25	2.21	2.58	4.28	3.05	35.47
1903...	0.32	0.87	2.10	3.72	7.03	2.44	8.78	5.09	9.12	1.99	0.65	0.84	42.95
1904...	0.31	0.75	1.65	1.31	2.52	7.17	2.42	2.76	3.66	5.46	0.24	1.68	29.93
1905...	0.73	0.49	2.28	0.51	6.61	6.59	2.46	6.82	4.43	3.68	1.33	0.31	36.24
1906...	2.24	0.32	3.07	1.52	7.20	3.47	3.10	3.61	4.13	2.79	2.75	1.33	35.53
1907...	1.85	0.75	1.95	1.20	3.27	3.80	1.12	5.68	3.65	0.77	1.33	0.42	25.79
1908...	0.58	0.97	2.63	3.46	5.64	6.32	2.28	1.74	2.91	1.56	0.98	1.07	30.14
1909...	1.03	1.61	1.28	3.42	3.00	2.96	2.20	2.22	6.84	2.63	5.42	1.46	34.07
Means	1.00	1.28	2.04	2.58	4.37	4.66	3.47	3.26	3.93	3.22	1.67	1.48	32.96

GRANTSBURG, BURNETT COUNTY, WIS.
(Elevation, 1,095 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1889...	....	....	....	2.55	3.84	1.96	4.00	....	4.01	T.	0.55	1.95	.....
1890...	1.20	....	2.25	....	....	10.76	6.17	7.51	2.50	1.55	0.71	....	.....
1891...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1892...	....	....	....	....	....	....	....	....	....	....	1.10	0.80	.....
1893...	1.40	2.35	0.90	3.35	2.45	2.20	1.21	2.03	1.40	2.60	0.90	2.20	22.99
1894...	1.40	0.20	2.40	5.15	7.41	1.41	0.55	0.72	1.80	3.72	1.80	1.37	27.93
1895...	0.99	0.40	0.40	1.76	4.61	5.09	4.36	2.50	4.70	0.04	0.65	0.50	26.00
1896...	1.15	0.50	2.57	7.10	5.91	3.47	1.30	1.53	2.63	4.22	4.75	1.35	36.48
1897...	1.35	1.28	2.70	0.75	2.00	7.93	9.07	2.00	3.65	1.70	1.04	0.35	34.42
1898...	0.39	0.88	2.12	1.64	4.85	6.00	1.59	2.67	1.90	5.30	1.80	T.	29.14
1899...	0.77	1.57	2.56	2.50	5.97	2.30	2.08	4.89	1.63	4.03	0.67	1.93	31.50
1900...	0.77	1.42	0.67	1.19	1.31	1.35	8.77	9.43	4.60	4.43	1.05	0.75	35.74
1901...	0.50	0.65	3.98	1.65	1.13	5.26	3.49	2.13	4.25	1.68	0.88	1.02	26.62
1902...	0.85	0.05	0.75	1.99	2.85	2.98	5.31	1.36	3.55	1.82	3.05	2.68	27.24
1903...	0.82	1.90	2.17	4.25	6.55	1.12	9.37	5.79	10.02	3.14	0.60	1.50	47.23
1904...	0.70	1.55	0.65	1.25	3.08	5.33	4.76	3.68	7.23	5.04	T.	1.50	34.77
1905...	1.45	0.55	1.20	1.40	3.19	9.81	5.53	5.18	7.73	3.20	2.48	T.	41.72
1906...	3.05	0.80	1.10	3.56	4.95	7.08	2.38	4.08	2.61	2.41	1.93	1.60	35.55
1907...	1.80	0.90	2.30	0.85	2.15	7.11	4.35	2.44	9.38	0.40	1.00	0.50	33.18
1908...	0.55	1.66	2.35	5.13	8.22	8.38	3.05	0.94	1.90	2.38	0.42	0.90	35.88
1909...	0.90	2.15	0.45	4.02	3.50	1.57	5.75	3.28	3.93	3.03	3.50	2.50	34.58
Means	1.11	1.11	1.75	2.78	4.11	4.80	4.40	3.45	4.18	2.70	1.44	1.23	33.06

HAYWARD, SAWYER COUNTY, WIS.
(Elevation, 1,197 feet.)

1890...	....	....	....	....	....	....	....	3.45	....	2.56	0.91	0.28	.....
1891...	0.85	2.28	2.42	1.46	2.15	1.91	3.33	1.81	1.93	2.16	0.80	3.35	24.45
1892...	0.51	1.71	1.43	3.10	....	....	....	....	....	....	....	....	.....
1893...	1.00	3.00	2.37	2.05	2.50	1.25	6.52	4.12	2.24	3.20	0.65	1.73	30.63
1894...	1.30	0.30	1.90	1.70	4.59	1.14	0.56	0.72	1.66	3.78	1.29	0.71	19.65
1895...	0.92	0.33	0.54	0.83	4.52	7.74	8.75	5.19	6.48	0.26	0.82	0.95	29.33
1896...	2.40	0.51	1.95	7.06	5.10	3.21	1.40	1.57	2.03	1.51	2.70	2.44	31.88
1897...	1.94	2.28	3.39	0.31	2.34	5.81	[illegible]	4.30	[illegible]	3.06	1.32	0.41	33.16
1898...	0.47	0.98	2.05	0.56	5.07	7.18	1.49	2.60	1.23	5.19	1.70	0.06	29.18
1899...	1.15	0.89	2.44	1.48	4.84	4.60	1.78	4.46	2.61	6.53	1.50	1.25	33.53
1900...	1.53	1.50	1.66	2.45	0.32	2.10	8.95	8.36	7.93	5.57	0.71	0.92	42.00
1901...	0.94	0.48	2.15	1.85	1.07	5.38	4.00	4.40	5.47	1.33	0.57	0.53	28.17
1902...	1.01	0.22	0.40	2.18	1.28	5.03	5.36	1.96	3.96	2.40	2.42	2.33	28.55
1903...	0.38	1.22	0.92	1.49	6.18	1.78	5.88	5.06	6.35	4.95	1.48	1.05	36.74
1904...	0.36	0.81	1.13	2.07	2.60	4.72	3.45	4.00	5.60	5.73	0.02	1.14	32.23
1905...	0.57	0.37	1.10	2.14	2.68	6.66	4.91	3.54	3.93	3.07	2.82	0.30	32.09
1906...	2.02	0.27	2.19	1.15	4.33	5.42	1.53	4.73	3.45	3.51	2.57	1.35	32.52
1907...	1.33	0.75	1.38	0.66	2.14	1.80	2.52	2.28	8.50	0.47	0.75	0.47	23.05
1908...	0.67	0.82	2.22	2.64	3.59	5.85	4.50	1.50	2.10	2.88	1.85	0.69	29.31
1909...	0.40	1.52	0.59	3.02	2.92	2.75	3.55	3.83	2.25	3.87	4.42	0.68	29.80
Means	1.04	1.07	1.73	2.04	3.57	4.13	3.75	3.47	3.93	3.26	1.54	1.09	30.62

OSCEOLA, POLK COUNTY, WIS.
(Elevation, 806 feet.)

1891...	[illegible]	1.50	[illegible]	2.05	1.95	4.52	2.38	1.02	1.52	1.66	1.22	3.93	25.25
1892...	0.03	1.47	1.13	1.32	8.10	8.14	6.22	4.64	1.34	0.62	0.49	0.63	34.13
1893...	1.46	2.45	2.91	3.62	2.58	2.08	3.17	2.18	2.04	3.42	0.79	1.97	28.67
1894...	1.07	0.15	2.80	4.74	9.95	2.40	0.44	0.65	1.85	4.69	0.13	1.60	30.47
1895...	0.86	0.24	0.55	1.95	4.67	4.31	5.35	1.83	5.72	0.22	1.14	0.16	27.00
1896...	0.71	0.10	2.34	5.07	4.86	6.63	1.83	4.38	2.77	3.54	3.20	0.79	36.82
1897...	2.50	0.73	2.09	1.34	1.60	7.30	4.94	1.35	3.76	2.11	1.32	0.11	29.15
1898...	0.03	1.13	4.43	1.63	6.60	4.92	1.32	4.24	0.87	5.67	1.09	0.07	32.60
1899...	0.90	1.30	2.19	2.86	3.41	6.85	1.66	4.87	1.06	3.72	1.02	1.54	31.38
1900...	0.35	0.92	0.70	1.95	0.36	0.90	9.76	7.96	8.14	6.08	0.71	0.07	38.50
1901...	0.38	0.68	3.24	1.51	1.74	6.40	3.70	2.35	5.20	1.71	1.87	2.28	31.15
1902...	0.76	1.42	0.80	1.95	2.54	3.02	3.98	3.60	3.99	1.23	2.55	2.11	27.95
1903...	0.67	0.44	2.09	2.92	7.31	2.26	9.58	4.42	8.76	4.14	0.20	0.83	43.62
1904...	0.70	0.88	1.37	1.52	5.21	5.64	5.05	3.54	5.66	5.32	T.	0.50	35.39
1905...	0.35	0.78	0.73	0.62	2.77	6.27	2.65	5.35	6.01	2.62	1.80	0.20	30.15
1906...	4.50	0.18	3.50	1.55	6.61	4.07	5.02	2.56	3.75	3.20	1.77	1.97	38.68
1907...	1.39	0.53	0.70	1.05	0.66	3.35	4.51	2.98	7.33	1.45	1.12	0.20	25.27
1908...	0.55	0.85	1.45	3.61	8.23	5.50	3.05	0.79	3.32	2.43	0.98	0.70	31.46
1909...	0.86	1.41	0.85	2.50	2.05	5.68	3.53	3.66	3.80	2.20	4.45	1.92	32.91
Means	1.00	0.92	1.90	2.33	4.27	4.75	4.12	3.28	4.05	2.95	1.39	1.17	32.13

RED WING, GOODHUE COUNTY, MINN.
(Elevation, 708 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1885...	....	....	0.54	3.09	1.89	4.62	5.99	2.70	4.43	1.62	0.44	0.81	.....
1886...	5.25	0.65	1.36	4.68	1.45	3.23	1.50	4.51	4.99	2.58	2.29	1.18	33.67
1887...	1.22	1.71	0.43	2.52	0.99	5.24	3.58	6.70	5.04	1.58	0.73	3.67	33.41
1888...	1.45	0.91	3.35	4.92	7.53	3.01	3.30	3.34	1.32	1.63	0.24	0.98	31.98
1889...	0.80	0.54	0.51	1.35	1.85	3.01	2.23	3.96	1.45	0.02	1.32	1.94	18.98
1890...	1.36	0.53	0.98	1.87	4.55	8.03	1.80	3.96	3.15	3.38	0.72	0.15	30.48
1891...	2.06	1.66	2.04	2.25	1.46	6.36	2.77	3.13	1.23	1.64	0.86	4.60	30.06
1892...	0.17	1.90	0.87	1.09	6.06	7.74	7.17	1.80	3.38	1.18	0.40	0.66	30.42
1893...	0.92	2.84	2.31	4.14	2.17	2.28	2.63	2.18	2.50	1.60	0.45	3.15	27.17
1894...	0.90	0.35	1.10	3.30	2.71	2.61	0.10	1.45	2.54	5.12	0.40	0.95	21.53
1895...	1.30	0.80	0.20	1.75	4.25	3.72	3.60	1.84	3.92	0.18	1.62	0.60	23.78
1896...	0.97	0.20	0.20	4.56	4.10	2.98	1.31	1.55	2.79	2.73	3.10	0.95	25.44
1897...	2.00	0.95	2.50	1.14	1.54	4.29	4.51	3.29	5.09	4.51	1.78	0.30	31.90
1898...	0.32	1.50	3.22	1.38	3.06	2.07	3.01	3.80	0.48	5.25	2.76	0.00	26.87
1899...	2.25	4.39	1.95	0.71	4.16	6.60	1.93	4.50	1.50	4.20	0.88	1.12	34.19
1900...	0.79	1.21	1.09	1.83	0.26	1.57	4.43	3.56	6.70	3.21	1.33	0.75	26.73
1901...	1.00	0.69	1.79	0.85	1.12	5.42	1.94	3.74	7.28	1.56	0.62	0.61	26.62
1902...	0.46	0.69	0.90	2.36	6.75	2.29	8.72	4.36	4.01	2.62	4.02	1.56	38.74
1903...	0.22	0.59	0.73	1.70	8.44	0.41	3.38	4.40	11.74	1.80	0.22	0.53	34.16
1904...	0.31	0.63	1.09	0.88	3.29	5.01	4.56	3.52	4.57	6.30	0.00	1.32	31.51
1905...	0.81	1.03	1.74	0.23	5.46	7.40	3.64	8.71	1.94	3.08	2.24	0.30	36.58
1906...	1.86	0.25	2.22	2.10	7.41	3.15	3.60	4.30	2.56	2.44	2.54	1.20	33.63
1907...	1.30	1.10	0.61	1.66	0.81	4.05	3.26	7.57	6.54	0.84	0.96	0.48	29.18
1908...	0.26	0.98	1.68	4.10	6.08	9.10	3.60	0.76	2.06	3.68	0.82	0.80	33.92
1909...	1.30	1.34	0.77	2.54	3.34	4.40	1.86	1.78	7.38	1.98	5.50	1.44	33.63
Means	1.22	1.14	1.38	2.28	3.63	4.34	3.37	3.65	3.94	2.59	1.45	1.20	30.19

Note—From November, 1896, to December, 1909, inclusive, except January and February, 1908, the records are from the river observing station at Red Wing.

SPOONER, WASHBURN COUNTY, WIS.
(Elevation, 1,104 feet.)

1894...	....	....	....	3.01	....	3.38	....	0.40	1.92	5.31	....	0.31	.....
1895...	1.50	0.30	0.12	1.08	4.31	1.88	2.77	1.93	4.00	0.40	0.95	0.70	20.63
1896...	0.40	0.10	3.20	4.31	2.86	3.99	1.33	1.52	2.00	3.46	2.10	0.70	25.97
1897...	2.10	0.70	2.00	0.10	2.40	3.34	5.25	2.24	3.60	2.08	1.50	0.10	25.41
1898...	0.70	1.85	1.60	0.49	3.39	7.81	0.69	1.97	0.96	3.01	1.20	0.00	23.67
1899...	1.50	1.60	5.20	1.94	3.89	2.89	2.78	4.22	0.20	3.48	1.53	1.39	30.62
1900...	1.60	3.20	2.80	1.90	0.70	0.57	9.29	8.50	6.00	6.52	0.88	0.90	42.86
1901...	0.21	0.25	4.90	1.31	1.20	....	....	....	....	....	....	....	.....
1902...	....	....	0.30	2.57	1.65	3.64	4.04	2.50	....	....	....	1.77	.....
1903...	0.62	1.92	2.19	3.17	7.65	....	....	....	....	2.32	0.49	0.88	.....
1904...	0.64	0.94	0.81	1.07	2.55	....	....	....	....	....	....	0.49	.....
1905...	0.44	0.35	0.94	1.06	2.66	5.99	4.11	5.00	3.76	3.07	2.07	0.22	29.67
1906...	1.45	0.09	1.21	....	7.68	....	....	....	3.51	2.96	2.44	1.80	.....
1907...	1.31	0.76	1.38	1.13	2.05	2.18	4.23	3.04	6.73	0.50	0.56	0.17	24.04
1908...	0.25	0.84	1.80	3.84	5.05	5.94	4.37	1.29	2.14	3.07	0.89	0.58	30.06
1909...	0.49	0.85	0.50	1.44	4.78	3.92	4.80	5.35	2.48	2.41	3.78	1.47	32.27
Means	0.94	0.98	1.93	1.89	3.52	3.79	3.97	3.16	3.17	2.97	1.53	0.77	28.62

WABASHA, WABASHA COUNTY, MINN.
(Elevation, 681 feet.)

1888...	1.25	0.60	2.15	2.80	8.25	2.05	2.55	2.30	1.15	....	....	....	.....
1889...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1890...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1891...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1892...	....	....	....	....	....	....	4.54	1.83	2.30	1.87	0.78	1.13	.....
1893...	1.70	3.08	2.93	4.66	2.32	1.61	2.13	2.28	2.00	2.59	1.06	4.08	30.44
1894...	1.09	0.35	1.29	4.39	5.06	2.64	0.18	0.18	2.61	2.98	0.85	0.93	22.55
1895...	1.50	0.84	0.50	1.95	3.10	5.09	5.71	2.19	4.42	0.40	2.39	0.09	28.78
1896...	0.93	0.22	1.83	6.58	3.30	3.81	0.93	1.19	3.06	3.33	3.53	0.92	29.63
1897...	2.03	0.82	1.87	1.47	2.24	4.15	8.55	4.14	1.21	1.27	0.65	0.26	28.71
1898...	0.26	1.36	1.35	1.92	1.79	3.08	1.24	2.40	0.72	4.81	1.58	0.60	21.11
1899...	1.06	0.90	2.09	1.14	5.60	6.32	1.81	6.01	2.04	2.24	0.88	1.65	31.83
1900...	0.63	1.33	1.59	2.52	1.13	1.86	8.61	3.84	6.60	9.81	0.78	0.66	39.36
1901...	0.49	0.64	2.38	1.02	1.14	6.30	3.70	1.32	6.86	2.25	0.90	0.66	27.66
1902...	0.75	0.67	0.85	2.22	8.22	2.80	6.43	6.87	3.08	2.26	3.27	2.31	39.73
1903...	0.26	1.10	1.93	3.63	8.76	2.21	4.45	4.09	9.77	1.75	0.22	0.76	38.93
1904...	0.23	0.51	1.50	1.83	2.42	4.56	2.75	2.63	2.34	4.32	0.28	1.38	24.75
1905...	0.75	0.92	1.61	0.69	5.86	5.46	2.18	8.29	2.22	3.88	1.57	0.53	33.96
1906...	1.83	0.45	2.15	1.61	7.30	4.45	2.47	4.24	5.07	2.35	2.38	1.30	35.60
1907...	1.44	0.76	2.47	1.23	1.12	4.58	2.98	6.18	3.10	1.72	1.24	0.58	27.40
1908...	0.37	1.11	1.96	3.13	6.16	9.16	4.51	1.47	2.52	2.00	0.64	0.80	33.83
1909...	1.20	1.37	1.33	2.64	3.23	4.00	1.46	3.70	6.52	1.26	5.08	0.93	32.72
Means	0.99	0.95	1.77	2.52	4.28	4.12	3.54	3.43	3.56	2.84	1.56	1.12	30.68

Note—From June to December, 1909, records are for Reed's Landing, about two miles from Wabasha.

WEYERHAEUSER, RUSK COUNTY, WIS.
(Elevation, 1,297 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1895...	1.35	0.10	0.53	1.53	3.90	4.36	4.95	1.62	4.99	0.36	0.73	1.04	25.46
1896...	1.00	0.20	2.04	5.38	5.70	4.35	2.96	3.94	2.18	3.82	6.74	0.90	39.21
1897...	1.60	1.40	3.35	....	....	....	....	....	....	....	....	....	.....
1898...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1899...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1906...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1901...	....	....	....	1.28	0.48	5.10	1.21	1.07	4.40	1.10	....	1.20	.....
1902...	1.95	0.83	1.55	2.17	1.96	3.20	6.37	3.03	2.17	2.61	4.17	2.36	32.37
1903...	0.38	0.32	....	....	....	....	....	....	....	0.53	....	....	.....
1904...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1905...	....	....	....	....	4.56	....	....	....	....	....	....	....	.....
1906...	....	....	....	....	....	....	....	....	....	....	1.14	1.88	.....
1907...	1.05	1.64	2.31	0.79	2.30	2.27	4.10	2.24	5.72	1.10	0.90	0.65	25.25
1908...	0.73	1.26	1.52	3.27	6.12	4.61	....	1.35	1.94	2.85	1.04	1.15	.....
1909...	1.01	1.62	1.67	3.78	4.78	3.08	4.23	2.80	2.23	1.14	4.06	1.87	32.27
Means	1.13	0.92	1.85	2.63	3.72	3.85	3.97	2.29	3.38	1.69	2.68	1.38	29.49

Note—Observations taken at Apollonia, 1895 to 1896; at Ladysmith, 1901 to 1906; at Weyerhaeuser, 1906 to date.

WHITEHALL, TREMPEALEAU COUNTY, WIS.
(Elevation, 675 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891..	**2.10**	**1.20**	1.92	1.61	0.45	4.88	2.36	2.20	1.00	4.29	0.37	3.74	26.12
1892...	0.15	1.86	0.90	2.66	6.73	8.60	5.53	1.16	1.30	1.85	**0.75**	0.80	32.29
1893...	**0.34**	1.04	0.90	....	4.00	0.55	2.51	....	1.08	2.24	1.20	1.05	.....
1894...	....	0.90	1.94	3.28	....	....	T.	....	3.25	1.69	....	....	.....
1895...	**1.00**	0.35	0.20	3.40	2.74	4.40	2.64	1.85	4.80	0.30	0.88	1.30	23.86
1896...	1.10	0.30	1.75	4.25	4.60	4.35	....	....	....	....	....	0.41	.....
1897...	1.65	0.94	1.67	2.06	3.64	5.42	4.58	3.73	1.85	0.95	1.17	**0.75**	28.41
1898...	**0.50**	**1.50**	1.40	3.10	2.00	2.90	3.40	3.10	2.40	5.80	1.55	0.30	27.95
1899...	0.80	1.20	1.65	1.12	4.34	7.14	1.60	4.91	2.94	2.35	1.09	2.80	31.94
1900...	0.66	1.00	1.05	2.96	2.26	2.79	9.92	3.16	5.20	7.39	0.71	1.10	38.20
1901...	0.42	0.71	2.16	1.38	1.07	3.66	1.59	1.64	6.44	3.37	0.66	0.87	23.97
1902...	1.24	0.93	1.45	1.44	7.82	2.77	5.19	7.18	4.28	1.92	2.59	3.35	40.16
1903...	0.22	1.35	2.17	4.13	5.70	2.43	5.52	6.53	11.48	1.78	0.17	0.84	42.32
1904...	0.22	0.88	2.35	0.66	4.93	4.07	2.93	3.46	4.71	3.12	T.	0.82	29.15
1905...	0.80	1.10	1.70	0.80	5.69	4.11	2.68	5.38	2.41	2.09	1.58	1.00	29.34
1906...	2.26	0.90	1.70	1.77	4.33	3.67	1.90	3.59	4.23	1.78	2.87	1.03	30.03
1907...	....	0.40	....	....	....	....	4.20	....	4.90	0.72	....	....	.....
1908...	0.70	0.89	1.96	2.96	4.63	7.11	4.94	....	3.02	1.42	....	....	.....
1909...	....	....	....	....	....	....	0.67	2.90	3.20	1.14	5.30	1.35	.....
Means	0.84	0.96	1.58	2.41	4.06	4.30	3.45	3.63	3.80	2.46	1.39	1.34	30.22

FROST DATA.

Stations.	Length of record, years.	Average date of—	
		First killing frost in autumn.	Last killing frost in spring.
Ashland	16	September 21	May 14
Barron	18	do 15	do 22
Butternut	15	do 9	June.......... 4
Downing	15	do 24	May 6
Duluth .... Minn.	39	October 3	do 4
Eau Claire	19	do 1	do 10
Grantsburg	17	September 19	do 14
Hayward	19	do 12	do 26
Osceola	19	do 26	do 12
Red Wing .... Minn.	8	October 5	do 2
Spooner	13	September 14	do 24
Wabasha .... Minn.	14	October 5	do 1
Weyerhaeuser	7	September 12	do 30
Whitehall	17	October 4	do 6

MEAN TEMPERATURE (Fahrenheit).

Stations.	Length record, years.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Ashland	16	14.8	13.6	23.7	39.6	50.5	61.4	68.0	67.1	60.4	47.8	31.7	20.4	41.6
Barron	18	10.3	11.4	25.5	42.2	52.9	63.4	68.2	64.9	58.5	45.7	29.5	16.3	40.7
Butternut	15	10.7	11.3	23.2	40.2	51.7	62.7	66.2	63.2	55.8	43.4	28.3	15.4	39.3
Downing	15	11.1	12.3	27.4	43.2	54.7	64.4	67.9	66.7	58.6	46.7	30.3	16.7	41.7
Duluth .... Minn.	39	10.4	13.3	24.0	38.4	48.0	57.7	65.7	64.6	56.6	45.2	29.4	16.8	39.1
Eau Claire	19	13.1	14.3	28.7	45.6	57.0	66.8	70.7	69.2	61.1	48.6	32.1	18.7	43.8
Grantsburg	18	10.9	11.8	26.2	43.1	54.6	64.8	69.1	66.4	58.6	46.8	30.8	16.7	41.6
Hayward	19	10.0	10.7	24.4	41.7	53.2	63.4	67.0	65.7	57.6	45.1	29.2	16.1	40.3
Osceola	19	10.0	11.6	26.6	43.4	54.6	64.7	69.1	67.0	59.9	46.8	29.7	16.3	41.6
Red Wing .... Minn.	21	11.2	15.1	27.4	45.7	56.0	67.9	72.0	68.6	61.1	48.7	33.3	20.1	43.9
Spooner	13	11.2	11.5	25.4	42.4	54.5	63.9	69.2	66.9	59.8	45.8	30.3	16.1	41.4
Wabasha .... Minn.	14	14.4	16.7	30.5	47.5	59.3	67.8	72.3	70.0	62.4	49.7	33.1	20.2	45.3
Weyerhaeuser	7	11.8	16.2	28.8	42.9	55.7	64.2	68.8	66.1	58.3	45.8	31.0	17.6	42.3
Whitehall	17	14.1	14.2	30.5	46.2	57.0	66.2	70.2	68.3	61.6	49.2	33.9	18.8	44.2

HIGHEST TEMPERATURES BY MONTHS (Fahrenheit).

Stations.	Length record, years.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Ashland	16	58	55	60	83	89	98	104	97	99	94	67	55	104
Barron	18	54	59	75	88	94	97	103	98	99	86	72	54	103
Butternut	15	59	59	71	84	95	98	100	94	94	85	71	50	100
Downing	15	50	62	77	84	98	100	103	100	97	85	75	53	103
Duluth .... Minn.	39	51	58	70	82	88	97	99	95	94	80	73	54	99
Eau Claire	19	54	59	75	88	94	97	103	98	99	86	72	54	103
Grantsburg	17	52	52	73	83	93	98	105	98	96	84	75	58	105
Hayward	19	53	54	68	84	91	99	102	95	96	82	70	51	102
Osceola	19	67	59	73	87	93	99	105	104	99	86	70	52	105
Red Wing .... Minn.	8	45	50	64	89	92	99	106	95	95	80	78	50	106
Spooner	13	51	55	69	89	97	100	102	99	99	88	69	51	102
Wabasha .... Minn.	14	53	55	73	89	96	100	105	102	102	89	77	52	105
Weyerhaeuser	7	47	58	65	82	92	95	98	98	92	81	63	52	98
Whitehall	17	55	60	74	86	93	100	104	100	99	91	76	58	104

LOWEST TEMPERATURES BY MONTHS (Fahrenheit).

Stations.	Length record, years.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Ashland	16	−31	−33	−20	6	21	25	42	37	28	13	−13	−22	−33
Barron	18	−40	−40	−18	10	18	25	40	34	22	10	−15	−28	−40
Butternut	15	−41	−43	−38	− 7	11	28	32	28	14	−1	−19	−33	−43
Downing	15	−44	−48	−20	4	17	28	35	32	12	9	−24	−33	−48
Duluth .... Minn.	39	−41	−36	−26	3	16	33	44	40	28	8	−25	−34	−41
Eau Claire	19	−34	−40	−18	11	20	25	41	36	20	10	−15	−26	−40
Grantsburg	17	−43	−45	−27	− 7	15	23	39	33	16	7	−32	−39	−45
Hayward	19	−45	−50	−29	− 6	11	25	35	31	15	3	−27	−38	−50
Osceola	19	−46	−47	−27	− 4	16	25	34	30	20	3	−34	−40	−47
Red Wing .... Minn.	8	−31	−30	− 7	16	25	38	46	45	33	18	− 9	−25	−31
Spooner	13	−40	−46	−25	− 7	13	22	36	30	19	5	−26	−32	−46
Wabasha .... Minn.	14	−31	−36	−11	14	22	37	44	39	25	14	−11	−27	−36
Weyerhaeuser	7	−40	−40	−20	2	14	29	33	32	24	11	−12	−34	−40
Whitehall	17	−40	−46	−20	9	17	30	35	30	19	7	−20	−30	−46

AVERAGE NO. OF DAYS WITH 0.01 INCH OR MORE OF PRECIPITATION.

Stations.	Length record, years.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Ashland	16	5	5	6	6	8	8	8	7	7	7	5	6	78
Barron	16	6	5	7	6	8	8	6	6	6	7	5	5	75
Butternut	13	6	4	7	6	8	9	8	8	7	7	5	6	81
Downing	15	5	4	5	5	9	9	7	6	7	6	5	5	73
Duluth .... Minn.	39	11	9	10	9	12	14	12	12	11	10	10	11	131
Eau Claire	19	5	5	7	7	10	10	7	7	8	7	7	6	86
Grantsburg	17	5	4	5	6	8	8	7	6	6	5	5	5	70
Hayward	19	6	5	7	6	8	10	8	8	7	7	6	8	86
Osceola	17	6	5	6	6	9	10	8	7	6	7	5	4	79
Red Wing .... Minn.	9	4	6	6	7	11	10	6	7	7	6	5	4	79
Spooner	13	5	4	5	5	8	7	6	7	6	6	4	5	68
Wabasha .... Minn.	14	5	5	7	7	10	11	8	8	8	7	7	5	88
Weyerhaeuser	7	6	4	6	8	9	9	8	8	8	5	7	6	84
Whitehall	15	5	4	5	6	10	9	7	7	8	6	5	5	77

HYDROGRAPHIC DATA FOR SECTION 58.

Summary of Climatological Data for the United States.

Compiled from the records of the United States Geological Survey,
By R. H. BOLSTER, Assistant Engineer.

PRELIMINARY NOTE: Only the broader facts concerning the rivers can be here given. Information in more detail can be procured upon application to the Director, U. S. Geological Survey, Washington, D. C.

This section lying in the northwestern part of the State of Wisconsin, includes minor tributaries of Lake Superior and important tributaries of the Mississippi River, namely: St. Croix River, Chippewa River, and Black River.

The watershed which limits the area of Lake Superior drainage in Wisconsin varies in elevation (above the level of Lake Superior) from 600 to 1,000 feet near the Michigan line. Its average distance from Lake Superior is only 30 miles. For this reason the rivers are comparatively small; but owing to the fact that their large fall of 600 to 1,000 feet is largely concentrated at a few points, they offer many opportunities for water-power development. From a point near the center of the watershed a wide and nearly flat table-land, of which Bayfield Peninsula and the Apostle Islands form the northern prolongation, separates the drainage into eastern and western sections of nearly equal area. In both of these sections three distinct belts of topography are usually distinguished. The southernmost belt consists of a plateau in large part covered with swamps and lakes, and is so flat that in many cases the water from the same swamps and lakes may flow either north to Lake Superior or south to the Mississippi.

St. Croix River rises at an elevation of 1,010 feet, in St. Croix Lake, on the Lake Superior divide, only 20 miles from Lake Superior. The lower two-thirds of its length forms a part of the Minnesota boundary. In its total length of 168 miles it descends 344 feet, all but 20 feet of which is in the upper 116 miles, making the average for this upper portion nearly three feet per mile. This slope is fully six times the slope of the Mississippi River above Minneapolis, and according to the United States Engineers, has an important bearing on the relatively large run-off as compared with the Mississippi Valley above. Another important feature of this region is its comparatively small number of lakes, these forming only 3 per cent. of the total drainage area as compared with 11 per cent. in the Mississippi Valley above Minneapolis. Evaporation on lake surfaces is probably nearly equal to the precipitation for the corresponding period. The total drainage area comprises 7,576 square miles, the greater part of which is in Wisconsin. The Wisconsin portion has a width of 50 miles on its northern margin and extends southwesterly toward the Mississippi River, a distance of about 150 miles.

Marshes are quite as infrequent as the lakes and occur only on the river bottoms. Not half of the lakes are visibly connected with the rivers, but because of the open soil, they are likely to have underground connection. There are usually lumbering dams on such lakes as have outlets, and these lakes, together with the numerous smaller depressions, play an important part in the prevention of freshets. The lakes of this region arrange themselves into two groups—one, lying mostly in the "barrens", adjacent and parallel to the upper St. Croix and extending southwest from its source to a point where the stream turns southward; and a second group in the extreme southeastern portion of this region, occurring in the depressions of the "Kettle moraine". As the water of this region flows almost exclusively over the crystalline rocks and sandstones, or the drift derived from them, it is in general soft, though usually amber-colored. Springs are very common, many of the lakes being fed almost entirely by them. They are especially frequent in the Cambrian sandstone and tend to equalize the flow of all the streams.

The Chippewa drainage system has its source in over a hundred lakes, large and small, with many connecting swamps, near the Michigan boundary and only 20 miles from Lake Superior. The drainage area has a length of 180 miles, a maximum width of 90 miles, and an average width of nearly 60 miles. The general direction of the drainage, except in the extreme western part, is toward the southwest. Chippewa River unites with the Mississippi at the foot of Lake Pepin, after a course of 267 miles. The total area drained by the river is 9,573 square miles, of which about 6,000 include the most unsettled region of northern Wisconsin. This area includes the richest forests of the State, of both soft and hard timber. Although lumbering operations have been very active here for many

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Note: Descriptive matter and portions of the discharge data compiled from "Water Powers of Wisconsin," Wisconsin Geological and Natural History Survey, by Leonard S. Smith.

years, considerable pine timber still remains, chiefly at the upper headwaters, but it is fast disappearing. Most of the large tracts of pine lands are owned by large corporations, and many of them are reached by long lines of logging railroads, which in many cases have been purchased by the trunk-line railroads and made a part of their systems. The extensive use of such railroads has extensively relieved the rivers of the burden of transporting logs, and correspondingly added to the value of the rivers for water-power purposes.

The main line of drainage runs very nearly along the central line of the basin, but the name of Chippewa River is not given to this continuation of the principal stream. The river divides 112 miles from the mouth: one branch, the prolongation of the line of drainage, called the Flambeau, rises in the lakes near the Michigan line, at an elevation of a little over 1,600 feet above the sea; the other branch, rising farther west and flowing more directly south, receives the name Chippewa. The Flambeau drains 1,983 square miles, while the Chippewa River, above their junction, drains only 1,777 square miles. About 56 miles above this junction, the Chippewa again divides into east and west branches, the one flowing from the northeast, the other from the north, draining respectively, 278 and 480 square miles.

The lakes of this region are situated in two widely separated groups, one in the extreme northeastern part, at the headwaters of Flambeau River, and the other in the northwestern part, at the headwaters of what is known as the main stream and of Red Cedar River. The remainder of the area is almost devoid of lakes. The wooded regions, however, include very large areas of cedar and tamarack swamps.

Black River, hemmed in by the Chippewa on the west and the Wisconsin on the east, is restricted to a long and narrow watershed of about 2,270 square miles, with an average width of only 20 miles. At one point the branches of the Chippewa River extend to within a quarter of a mile of Black River. Like the Chippewa, about a third of the Black River drainage area is in the comparatively level sandstone region, so that the maximum watershed available for water powers, namely, at Black River Falls, is only 1,570 square miles. The watershed narrows rapidly as the river is ascended, and at Neillsville, 22 miles in an airline from Black River Falls, the drainage area is reduced to 729 square miles. Were it not for this small watershed, the steep gradient of the river, and its high rocky banks, would insure large water powers. Black River rises at an elevation of about 1,400 feet above sea-level, and after a sinuous course of over 140 miles, joins the Mississippi River at La Crosse. The total descent in this distance is 772 feet.

The following tables show in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: First, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month which has been observed during the entire period covered by the table. The fourth and fifth columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

MONTHLY DISCHARGE OF ST. CROIX RIVER, ST. CROIX FALLS, WIS.
For 1902-1904.
[Drainage area, 6,870 square miles.]

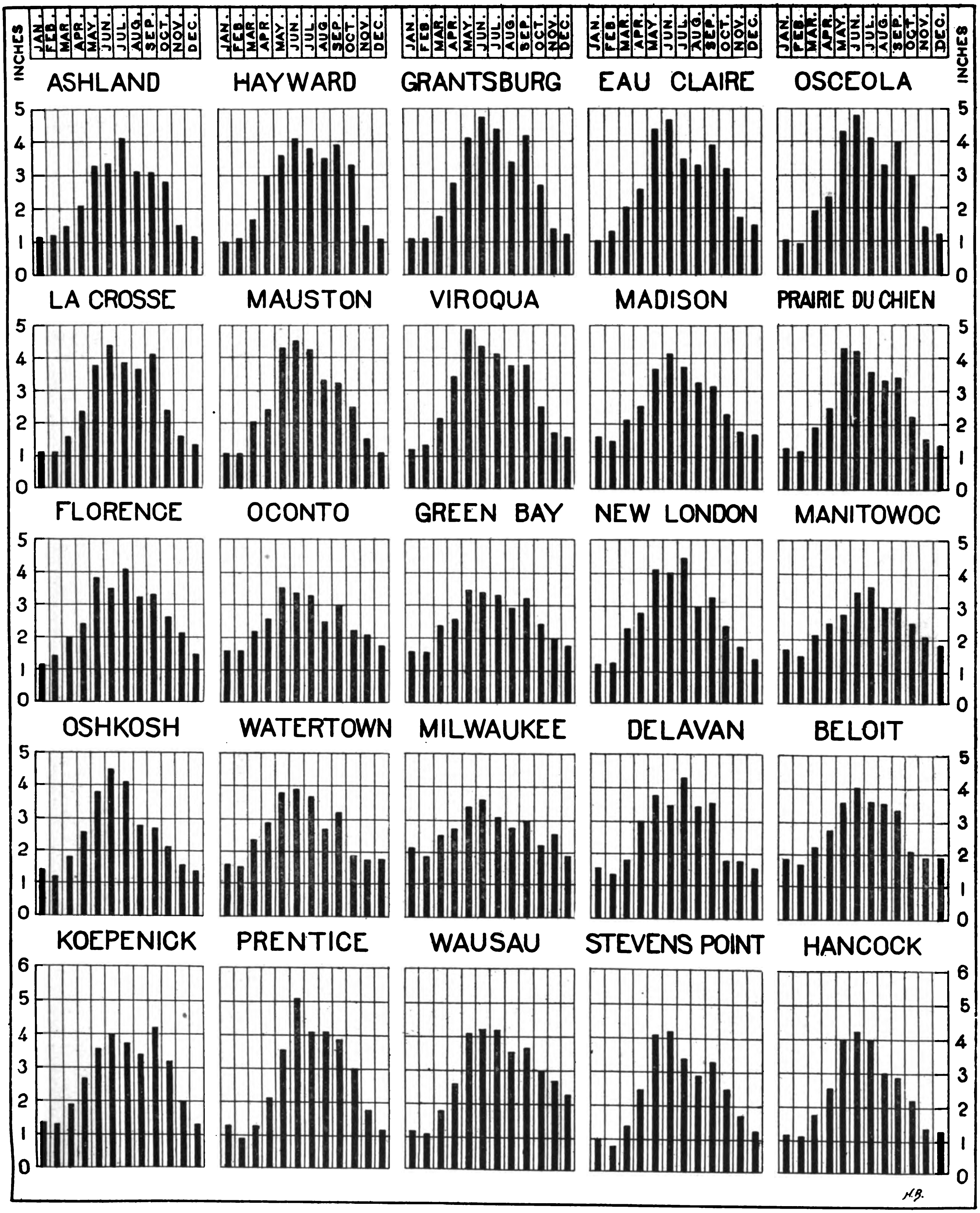
Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	2,840	1,680	2,130	0.334	0.39
February	2,480	1,700	2,000	0.314	0.33
March	11,500	1,960	3,880	0.609	0.70
April	20,200	200	8,330	1.310	1.46
May	16,200	4,100	7,630	1.200	1.38
June	17,900	906	6,620	1.040	1.16
July	12,100	251	5.000	0.785	0.90
August	7,900	1,020	3,010	0.473	0.55
September	14,900	400	5,720	0.898	1.00
October	29,600	800	8,450	1.330	1.53
November	8,780	850	4,400	0.691	0.77
December	3,440	1,690	2,430	0.381	0.44
The period	29,600	200	4,960	0.780	10.60

MONTHLY DISCHARGE OF CHIPPEWA RIVER, EAU CLAIRE, WIS.
For May-December, 1906-1908, except December, 1904.
[Drainage area, 6,740 square miles.]

April	38,100	3,800	14,700	2.180	2.43
May	45,000	5,740	16,100	2.390	2.74
June	60,500	2,070	11,700	1.740	1.94
July	39,600	1,140	7,920	1.180	1.36
August	23,500	650	5,080	0.754	0.87
September	51,800	930	8,860	1.310	1.46
October	40,400	900	8,210	1.220	1.41
November	10,600	810	4,970	0.737	0.82
December	9,090	380	2,470	0.366	0.42

MONTHLY DISCHARGE OF BLACK RIVER, NEILLSVILLE, WIS.
For April-November, 1905-1908.
[Drainage area, 675 square miles.]

April	8,700	177	2,120	3.140	3.50
May	6,910	215	1,470	2.180	2.51
June	23,000	80	1,540	2.280	2.54
July	23,100	20	1,340	1.990	2.29
August	750	26	141	0.209	0.24
September	4,340	29	426	0.631	0.70
October	2,570	20	315	0.467	0.54
November	2,400	55	346	0.513	0.57



DIAGRAMS SHOWING THE COMPARATIVE MONTHLY DISTRIBUTION OF PRECIPITATION.

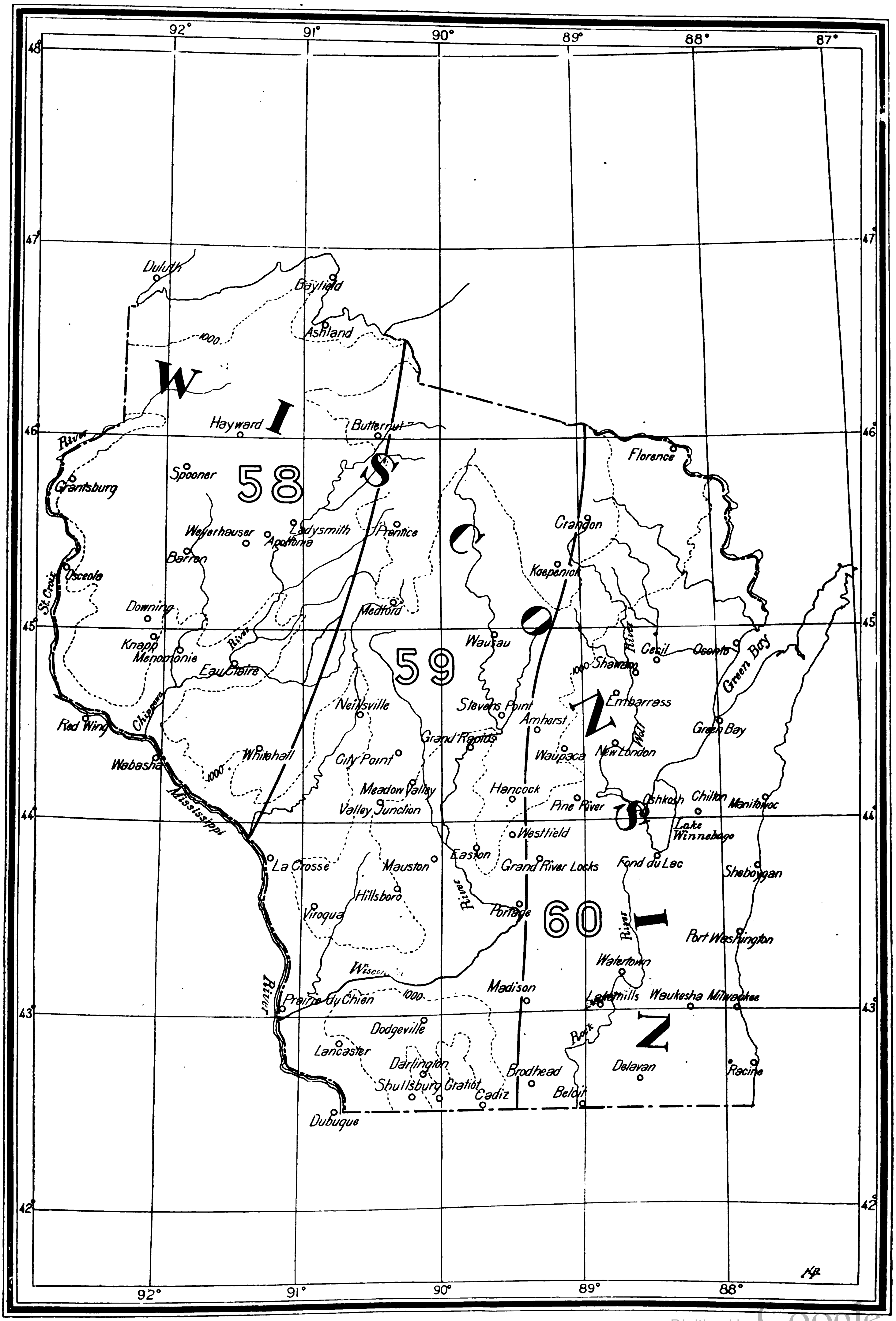


CHART SHOWING THE PRINCIPAL POINTS OF OBSERVATION, THE DRAINAGE BASINS, AND THE GENERAL ELEVATION OF WISCONSIN.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

BY THE CLIMATOLOGICAL DIVISION, P. C. DAY, ACTING CHIEF OF DIVISION.

SECTION 59.—CENTRAL WISCONSIN.

Section 59 covers about one-third of the State of Wisconsin, extending from the upper Michigan boundary southward through the center of the State to the Illinois line. It has a length north and south of approximately 280 miles and a width averaging 80 miles. The Mississippi River forms the southern part of its western boundary.

The principal drainage stream of this section is the Wisconsin River, which flows through nearly the whole length of the section. This is the most important river in the State, both in length and extent of drainage area. It has its source in a small lake more than 1,600 feet above sea level on the upper Michigan boundary, and pursues a southerly course until within about 80 miles of the Illinois line when it turns sharply to the southwest, continuing in that direction for about 100 miles where it reaches the Mississippi.

The northern portion of the section is occupied by a high rolling plateau, its altitude ranging from 1,200 to 1,800 feet above sea level. This plateau is covered with a network of marshes and small lakes. Hills of considerable elevation are occasionally met with, one near Wausau named Rib Hill having an altitude of 1,940 feet above sea level, being the highest point of land in the State of Wisconsin.

In the northern part of this section is found the heaviest annual precipitation for this State, averaging more than 34 inches at several stations. This is due to the fact that the summer and autumn months have a heavier rainfall than in other portions of the State. In the southern portion the precipitation is lighter, several stations showing an annual mean of less than 30 inches.

May and June give the heaviest rainfall for the year, amounting to about four inches in May, and averaging considerably above four inches for the section in June. July and August also usually bring abundant rains, while January and February show the lightest precipitation for the year, averaging between one and two inches each for the section.

The greater part of the precipitation in the winter months is in the form of snow. This is especially true in the northern portion, where the snow accumulates to a considerable depth most winters. It is not unusual, however, to have rains in the winter, and in the southern portion this frequently occurs.

The annual precipitation is rather constant, rarely varying more than six inches from the normal.

During the summer months thunderstorms are of frequent occurrence, and they are sometimes quite heavy. They are occasionally accompanied by high winds and hail, doing considerable damage. Tornadoes are also reported in some parts of the section occasionally, but the loss of life or property from this cause never has been great.

The mean annual temperature of the section ranges from about 39° in the northern portion to 47° along the extreme southwestern border. In the southern portion temperatures as high as 105° are sometimes experienced, while temperatures of 45° below zero frequently occur at some of the northern stations. In the northern portion the nights are nearly always cool in the summer, even if the days are hot. This feature, together with the fact that the country is well covered with forests and dotted with hundreds of lakes, makes it a delightful region for summer resorts.

The annual range of temperature is considerably greater in this section than in the eastern portion of the State and is about the same as in the western section, and the daily range at the northern stations is not exceeded in any other portion of the State.

In the northern portion of this section and in certain localities in the central counties, frost may occur in any month of the year, but usually crops, with the exception of cranberries, are considered to be practically safe from frost after June 10th and up to about September 5th in the northern and central counties, and from June 1st to September 10th in the southern counties. In the cranberry marshes in the central portion of the section heavy frosts occasionally occur when the surrounding country fails to show temperatures near the danger-line. For this reason it has been found necessary for the Weather Bureau to make special forecasts for the cranberry marshes to enable the growers to protect the crop from summer frosts by means of flooding. This special work has been the means of saving practically the whole crop from destruction by frost on several occasions since it was inaugurated.

The following tables, charts and diagrams give in detail information relative to the precipitation and temperature, also other climatic data, of value to those who may wish to make a careful study of the climate in any particular locality in this section.

H. B. HERSEY,
Inspector and Section Director.

PRECIPITATION AT STATIONS IN CENTRAL WISCONSIN.

[Boldface figures indicate amounts estimated from nearby stations.]

DODGEVILLE, IOWA COUNTY, WIS.

(Elevation, 1,116 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	....	....	....	....	....	4.76	2.40	1.63	0.66	1.92	2.91	3.25	.....
1892...	0.33	1.18	1.18	3.34	10.02	....	....	....	....	....	....	....	.....
1897...	2.29	0.78	2.88	3.70	1.00	6.70	2.48	3.69	1.43	1.24	1.77	1.92	29.88
1898...	1.64	1.62	2.58	3.10	5.30	5.91	2.70	4.98	2.31	4.52	1.88	0.39	36.93
1899...	0.99	2.51	2.68	3.56	4.64	4.99	2.31	2.77	1.44	1.48	1.65	1.48	30.50
1900...	0.89	1.37	1.84	2.52	3.77	2.81	8.02	2.15	3.65	....	2.01	1.00	.....
1901...	0.74	0.85	1.75	0.95	3.54	1.62	4.22	0.62	4.13	2.71	....	1.27	.....
1902...	0.70	1.60	....	....	6.64	5.07	7.96	0.70	4.50	1.30	1.02	1.80	.....
1903...	0.60	0.50	....	....	4.90	....	7.20	8.00	4.00	1.00	1.60	0.65	.....
1904...	0.10	0.35	1.90	....	....	....	2.26	3.10	1.90	....	....	....	.....
1905...	....	....	....	....	....	....	....	2.93	....	....	....	....	.....
1906...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1907...	....	0.10	....	1.50	....	....	....	....	....	....	0.79	1.20	.....
1908...	0.20	....	....	....	....	....	5.05	....	1.12	....	....	1.10	.....
1909...	....	1.50	0.83	....	....	....	...	....	.....	1.07	3.47	3.76	.....
Means	0.85	1.12	1.96	2.67	4.98	4.55	4.46	3.06	2.51	2.03	1.90	1.62	31.71

DUBUQUE, DUBUQUE COUNTY, IOWA.

(Elevation, 689 feet.)

1873...	....	....	....	....	....	....	1.27	5.88	1.53	2.07	0.77	2.07	.....
1874...	2.45	0.49	1.28	1.54	1.08	3.29	3.24	2.13	7.68	2.18	4.79	0.65	30.80
1875...	1.00	2.12	1.45	2.71	3.62	4.75	5.39	1.07	7.10	2.71	0.48	2.71	35.47
1876...	3.20	1.53	4.00	3.63	5.96	7.88	8.15	5.92	5.90	1.10	2.49	0.52	50.28
1877...	0.96	0.26	4.53	3.74	3.84	6.75	2.90	3.96	0.67	5.35	3.31	2.70	38.97
1878...	0.49	1.93	2.44	4.34	4.61	4.35	6.71	1.72	6.94	2.85	0.76	1.12	38.26
1879...	0.44	1.00	1.20	2.02	2.94	4.99	6.78	2.43	2.98	0.93	5.41	1.28	32.40
1880...	1.95	1.01	2.55	3.51	3.72	6.02	3.55	7.15	6.84	0.66	2.11	1.25	40.32
1881...	1.87	3.75	3.78	1.30	2.20	7.56	10.53	2.46	10.26	6.70	3.19	1.55	55.15
1882...	0.84	0.59	1.49	4.47	4.16	6.29	1.48	2.29	2.60	5.29	1.55	1.79	32.84
1883...	1.59	2.60	0.32	1.93	7.13	5.34	7.90	2.70	2.09	4.44	1.05	1.88	39.57
1884...	0.99	2.19	3.85	2.77	4.88	4.89	5.30	4.25	4.07	4.16	1.43	4.08	42.86
1885...	1.80	0.72	0.41	3.69	2.62	6.16	6.35	8.02	4.58	2.32	0.64	3.14	40.45
1886...	3.17	1.36	4.32	2.12	4.17	0.71	0.89	0.67	3.10	4.08	1.89	1.03	27.51
1887...	3.33	3.56	1.80	1.37	2.53	1.32	2.44	4.40	7.62	2.22	0.74	3.07	34.40
1888...	1.20	1.31	3.44	2.58	5.84	5.28	3.59	1.73	2.01	1.62	2.75	1.96	33.31
1889...	1.55	1.34	0.30	3.56	4.00	3.87	4.22	0.26	1.54	0.66	1.57	1.38	24.25
1890...	2.31	1.25	1.68	2.94	5.36	9.59	1.21	6.00	3.72	6.43	1.85	0.82	43.16
1891...	1.27	0.98	2.69	1.63	2.54	2.34	4.59	3.31	0.68	2.20	3.24	2.08	27.55
1892...	2.34	1.02	1.91	4.37	9.18	14.16	5.08	2.51	3.70	0.44	1.89	2.08	48.77
1893...	1.60	1.30	2.52	4.32	3.06	5.49	3.57	0.58	3.31	1.66	2.03	1.33	30.77
1894...	1.11	1.22	3.06	2.27	1.75	2.25	0.02	1.32	2.96	1.51	1.53	0.35	19.35
1895...	1.44	0.66	0.99	0.49	2.63	1.05	3.00	1.75	2.06	0.80	2.12	2.75	19.74
1896...	0.75	1.93	0.76	7.80	7.63	3.11	7.72	2.05	5.67	2.56	1.60	0.71	42.29
1897...	2.55	1.43	2.97	3.39	2.09	2.36	4.34	1.51	3.19	1.02	1.23	2.08	28.16
1898...	2.19	2.01	2.78	4.06	4.47	4.36	2.83	4.37	3.07	3.86	1.15	0.33	35.48
1899...	0.51	0.67	1.52	4.24	5.75	4.08	4.12	1.95	0.99	1.63	0.97	1.85	28.28
1900...	1.15	2.13	1.84	2.39	4.75	2.04	8.60	3.35	3.34	2.38	1.64	0.42	33.43
1901...	1.07	1.07	2.88	1.01	3.10	1.23	2.31	0.25	3.72	1.64	0.67	1.44	20.39
1902...	0.74	1.43	1.76	1.11	8.67	6.97	6.80	1.57	3.93	2.26	0.86	2.24	38.34
1903...	0.17	1.19	1.84	3.29	4.25	2.16	7.10	5.27	3.20	1.72	0.75	0.85	31.79
1904...	0.51	0.73	2.86	2.05	3.86	0.74	1.86	2.58	2.21	3.18	0.08	2.37	23.03
1905...	0.95	1.58	2.27	3.07	4.06	4.33	1.51	3.07	1.25	3.88	2.64	1.17	29.78
1906...	2.72	0.93	2.36	1.16	3.59	3.36	1.57	4.44	1.78	1.70	2.95	2.04	28.60
1907...	1.72	0.52	0.99	2.48	2.66	4.08	5.15	5.85	6.01	0.77	1.29	0.67	32.19
1908...	0.70	1.87	1.72	2.50	5.82	2.21	2.06	2.92	1.14	1.20	1.34	0.63	24.11
1909...	1.98	1.32	1.25	7.40	2.32	6.61	1.30	1.50	4.28	2.03	2.94	2.08	35.01
Means	1.52	1.42	2.16	2.98	4.19	4.50	4.18	3.06	3.75	2.49	1.85	1.63	33.73

*HANCOCK, WAUSHARA COUNTY, WIS.

(Elevation, 1,091 feet.)

1892...	1.65	1.61	1.25	2.93	5.63	7.33	4.03	4.03	2.71	0.98	1.07	1.07	34.29
1893...	1.68	2.95	2.21	4.27	1.98	1.90	7.94	1.41	1.95	1.56	1.49	3.20	32.54
1894...	2.10	0.85	1.60	3.37	5.42	2.75	0.95	0.43	2.09	1.98	1.76	0.80	24.10
1895...	1.40	1.20	0.50	0.97	1.83	1.44	1.76	3.37	1.44	0.40	1.73	1.75	17.70
1896...	0.95	0.35	0.45	5.03	7.09	4.37	3.24	1.32	3.82	2.36	1.57	0.45	31.00
1897...	1.22	0.90	2.58	2.39	1.28	5.55	2.88	2.80	1.49	0.59	1.28	1.39	24.35
1898...	1.20	1.20	2.25	2.71	1.60	3.11	5.89	3.18	1.25	2.52	1.01	0.41	26.33
1899...	0.84	1.00	1.39	1.55	4.77	6.38	1.86	3.98	2.13	1.29	0.28	1.25	26.72
1900...	0.73	0.80	1.50	1.01	1.05	1.50	5.79	2.53	5.35	6.48	1.70	1.13	29.57
1901...	0.95	0.90	2.60	0.60	2.01	5.22	3.66	1.40	3.33	3.16	0.35	0.72	24.91
1902...	0.55	0.95	1.20	0.65	7.27	3.71	5.24	0.38	2.71	**3.00**	1.35	1.82	28.83
1903...	0.23	1.41	2.85	3.04	4.66	1.58	4.54	7.87	2.46	1.46	0.68	1.09	31.87
1904...	0.60	1.47	1.96	1.45	6.74	3.27	4.00	2.12	5.50	4.20	0.49	2.20	34.00
1905...	1.10	1.20	1.55	1.18	6.64	10.55	4.10	6.56	3.68	2.99	1.76	1.50	42.81
1906...	1.60	0.60	3.85	2.74	4.42	5.91	2.60	2.36	3.88	3.06	4.02	0.20	35.24
1907...	2.65	0.66	1.36	2.51	2.89	4.99	7.16	5.18	2.64	0.75	0.80	1.91	33.50
1908...	1.10	1.45	2.40	4.82	4.85	3.90	4.23	1.89	1.93	1.10	1.17	1.80	30.64
1909...	1.70	1.10	0.60	5.20	1.85	3.10	1.23	3.96	3.43	1.83	2.64	1.50	28.14
Means	1.24	1.14	1.78	2.58	4.00	4.25	3.95	3.04	2.88	2.21	1.40	1.34	29.81

* Record at Westfield up to October, 1902.

GRAND RAPIDS, WOOD COUNTY, WIS.

(Elevation, 1,021 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1893...	0.90	0.91	1.13	2.61	1.61	1.89	3.10	1.25	2.46	1.86	0.80	3.48	22.00
1894...	1.92	0.25	1.08	3.60	3.81	1.70	1.39	0.13	1.80	2.04	1.41	1.47	20.60
1895...	1.40	0.25	....	1.05	4.97	4.07	1.45	2.82	1.63	0.55	1.30	1.26	.....
1896...	0.67	0.20	0.80	4.21	4.63	3.21	1.28	1.25	4.30	1.78	1.90	0.80	25.03
1897...	0.93	....	....	....	....	....	....	....	....	....	....	....	.....
1903...	....	....	....	2.27	6.85	1.08	6.35	5.37	4.47	1.76	1.08	0.77	.....
1904...	0.15	0.77	2.03	1.32	6.97	3.19	1.83	2.01	3.78	4.74	0.33	1.24	28.36
1905...	0.44	0.95	1.37	1.09	4.24	8.05	2.21	5.01	2.33	1.95	1.92	1.20	30.76
1906...	2.23	0.37	2.79	1.40	3.62	3.42	2.20	2.43	3.91	2.63	3.48	1.31	29.79
1907...	1.93	0.19	1.97	2.70	2.24	3.60	4.87	3.46	2.58	1.03	1.11	1.14	26.82
1908...	0.45	0.82	2.04	3.90	4.63	1.87	5.71	1.69	1.83	0.80	1.02	1.01	25.77
1909...	0.91	1.23	1.14	3.90	2.30	2.26	1.16	3.28	3.15	1.16	4.11	1.36	25.96
Means	1.08	0.59	1.59	2.55	4.17	3.12	2.87	2.61	2.93	1.85	1.68	1.37	26.41

*HATFIELD, JACKSON COUNTY, WIS.

(Elevation, 978 feet.)

1893...	....	....	....	....	....	....	....	....	....	....	1.25	3.19	.....
1894...	1.56	0.22	1.39	4.18	5.47	3.15	0.36	1.15	....	1.79	1.74	1.48	.....
1895...	1.15	0.35	0.31	1.39	4.68	3.52	1.45	1.85	2.36	0.33	0.83	1.19	19.41
1896...	0.53	0.42	0.90	5.22	5.29	3.37	2.85	2.23	5.03	3.16	2.81	0.54	32.45
1897...	1.79	0.52	2.01	1.90	5.27	5.70	1.20	5.25	2.47	0.55	1.16	0.75	28.57
1898...	0.55	1.35	1.66	4.47	1.58	3.38	3.80	2.50	2.05	4.74	2.31	0.10	28.49
1899...	1.05	0.96	1.25	1.63	4.26	11.37	4.18	2.61	2.63	2.35	1.53	1.16	35.08
1900...	0.38	....	0.93	3.69	2.34	1.40	8.77	1.92	6.85	10.74	1.09	0.34	.....
1901...	0.65	0.54	1.99	1.12	3.56	5.28	4.30	1.36	4.29	4.23	....	....	.....
1902...	0.65	0.60	1.83	1.25	8.23	3.03	5.45	....	3.16	....	....	2.85	.....
1903...	0.05	....	....	....	6.07	2.57	3.61	6.09	2.49	1.39	0.69	0.73	.....
1904...	0.32	0.37	0.67	2.18	5.22	4.86	0.94	2.25	4.55	....	T.	2.89	.....
1905...	0.72	0.09	1.40	0.77	5.42	7.46	3.08	6.05	3.26	....	1.64	....	.....
1906...	1.37	0.40	....	....	5.26	6.73	2.96	....	....	....	....	....	.....
1907...	....	....	....	2.20	3.23	....	8.94	4.72	....	....	....	....	.....
1908...	....	....	....	....	6.51	....	....	....	3.17	1.46	1.45	1.05	.....
1909...	....	2.10	**1.12**	2.21	**1.60**	1.11	1.51	2.22	3.10	....	4.43	....	.....
Means	0.83	0.71	1.29	2.48	4.63	4.50	3.56	3.09	3.49	3.07	1.61	1.36	30.62

* Record at City Point up to May, 1908.

HILLSBORO, VERNON COUNTY, WIS.

(Elevation, 1.000 feet.)

1891..	1.15	2.25	2.70	2.27	0.70	3.47	2.99	1.36	1.04	2.03	1.92	3.43	25.31
1892...	1.00	2.18	1.87	3.96	9.70	8.39	1.39	3.34	3.05	1.24	1.21	1.40	38.73
1893...	1.70	1.75	2.99	5.08	3.22	2.16	4.76	3.12	1.21	2.06	1.10	2.51	31.66
1894...	1.57	1.48	1.48	5.34	3.32	4.38	0.92	T.	4.11	2.59	1.34	0.98	27.51
1895...	2.30	0.75	0.70	0.75	2.93	2.01	2.46	3.22	1.62	0.12	1.38	2.05	20.29
1896...	1.57	0.45	0.35	5.40	5.37	3.38	2.57	2.15	3.35	3.10	2.91	0.45	31.05
1897...	2.00	1.25	2.77	2.18	1.88	8.23	4.16	2.58	1.19	0.48	1.52	1.86	30.10
1898...	0.95	2.03	1.35	1.53	1.43	2.14	3.35	4.50	2.08	4.52	1.10	0.45	25.43
1899...	0.92	1.50	3.28	2.94	3.62	9.24	1.50	6.59	1.92	2.19	1.18	1.80	36.68
1900...	1.17	1.20	2.00	3.50	1.74	3.56	7.41	2.41	3.78	5.84	1.26	0.70	34.57
1901...	0.80	1.10	2.08	0.99	2.72	4.00	3.58	0.81	5.65	4.23	1.03	0.75	27.74
1902...	0.70	1.05	1.65	1.58	8.32	3.17	6.02	0.72	2.93	1.78	1.61	2.85	32.38
1903...	0.40	1.55	2.35	4.30	5.23	2.64	3.81	10.16	3.56	0.82	0.55	1.35	36.72
1904...	0.55	1.16	2.70	1.74	5.52	2.87	4.41	1.85	7.26	3.71	0.25	2.30	34.32
1905...	1.15	1.70	2.45	1.77	7.09	5.43	3.75	3.95	2.08	3.35	2.86	1.60	37.18
1906...	2.10	0.80	3.35	1.83	5.14	8.24	3.06	1.82	4.58	2.65	2.82	1.20	37.59
1907...	4.05	0.20	1.65	2.25	2.38	4.12	6.74	5.93	3.15	0.85	1.12	1.05	33.49
1908...	0.65	1.75	2.09	2.64	7.88	4.58	2.53	1.47	2.29	1.44	1.64	1.40	30.36
1909...	2.00	1.20	0.95	6.31	4.35	2.87	0.96	4.61	3.11	1.75	4.40	2.10	34.61
Means	1.41	1.33	2.04	2.97	4.34	4.47	3.49	3.19	3.05	2.36	1.63	1.59	31.87

KOEPENICK, LANGLADE COUNTY, WIS.

(Elevation, 1,688 feet.)

1890...	....	....	....	....	....	....	....	....	6.20	3.60	0.90	0.55	.....
1891...	1.95	1.60	2.40	1.00	0.20	1.60	2.50	5.70	1.60	2.30	0.50	2.60	23.95
1892...	1.25	1.80	1.80	2.60	5.70	7.20	3.52	3.40	2.70	2.80	1.70	0.75	35.22
1893...	2.10	2.10	1.50	3.70	3.15	1.50	3.70	2.40	1.80	2.50	2.25	2.95	29.65
1894...	1.00	0.50	1.80	3.50	3.80	3.10	1.20	0.60	2.50	3.20	2.00	0.60	23.80
1895...	1.50	0.61	0.35	2.10	4.58	2.10	2.50	2.50	4.40	1.40	1.65	0.95	24.64
1896...	1.25	0.50	1.05	4.30	5.50	1.90	2.70	3.90	2.30	3.90	4.10	0.80	32.20
1897...	1.50	1.20	1.30	0.80	2.10	5.40	3.70	2.30	2.60	3.00	1.00	0.60	25.50
1898...	0.80	2.20	1.70	1.70	3.80	5.20	2.60	2.10	3.70	4.00	2.30	0.30	30.40
1899...	1.30	1.00	2.50	4.20	3.30	4.80	2.40	3.40	2.10	4.10	0.60	1.60	31.30
1900...	1.10	1.30	1.60	4.30	1.50	3.70	7.80	5.50	8.10	9.10	1.60	0.95	46.55
1901...	1.00	0.60	3.90	0.40	1.70	3.00	7.80	3.80	5.20	3.10	1.70	0.80	33.00
1902...	1.00	0.90	0.90	3.10	3.50	4.30	3.30	0.80	2.50	2.20	3.60	1.60	27.70
1903...	0.62	0.84	2.50	4.20	7.00	1.80	7.10	6.30	7.80	2.50	1.40	0.80	42.86
1904...	0.60	1.90	1.80	2.90	6.90	3.80	4.00	3.60	9.20	5.50	0.40	2.40	43.00
1905...	1.80	0.80	1.80	1.15	4.00	8.00	3.50	7.10	5.10	2.40	2.10	1.40	39.15
1906...	2.80	0.90	2.80	1.80	4.30	6.10	3.20	5.00	2.50	4.20	4.20	1.50	39.30
1907...	2.00	0.80	1.70	2.80	1.50	3.40	2.40	1.70	7.50	0.90	0.70	0.90	26.30
1908...	1.20	2.40	1.90	3.90	3.70	4.80	6.20	1.49	3.74	1.21	3.10	1.70	35.34
1909...	0.90	2.40	2.00	3.00	2.50	3.52	2.90	3.24	2.75	1.56	3.76	1.46	29.99
Means	1.35	1.28	1.86	2.71	3.62	3.96	3.84	3.41	4.21	3.17	1.98	1.26	32.65

LA CROSSE, LA CROSSE COUNTY, WIS.
(Elevation, 681 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1872...	....	....	....	....	....	....	....	....	....	....	1.13	0.19	.....
1873...	0.66	0.34	0.48	1.16	2.03	5.09	2.48	1.68	3.87	1.92	1.81	1.15	23.27
1874...	1.59	0.71	1.51	2.12	3.07	6.51	2.32	3.41	5.09	2.20	2.89	0.46	31.88
1875...	1.31	3.35	2.23	1.45	3.47	7.16	1.77	5.73	5.45	2.77	0.60	3.43	38.72
1876...	2.19	1.85	4.23	2.54	5.20	7.49	1.85	5.97	4.17	0.57	2.24	1.11	39.41
1877...	1.54	0.11	2.87	3.63	2.94	3.34	5.83	5.16	1.91	3.84	3.88	1.53	36.58
1878...	0.76	0.54	1.38	2.43	2.83	3.70	8.51	2.30	4.85	2.90	0.49	0.71	31.40
1879...	0.31	1.38	1.38	0.42	5.37	2.49	6.80	1.31	5.72	2.45	4.63	2.68	34.94
1880...	1.36	0.90	2.89	2.90	4.33	6.60	3.24	4.42	3.22	1.37	2.40	0.71	34.34
1881...	1.51	1.26	1.01	1.35	3.13	2.75	8.86	5.01	10.87	7.56	1.17	0.26	44.74
1882...	0.75	1.11	2.37	1.96	2.49	4.78	2.96	3.25	1.32	3.73	2.08	1.13	27.93
1883...	1.54	1.25	0.13	1.49	3.87	3.92	11.03	1.71	4.92	1.68	1.09	1.06	33.09
1884...	0.53	1.42	1.11	3.07	1.82	2.94	4.58	3.82	10.01	2.31	1.45	2.25	35.31
1885...	0.81	0.28	0.51	1.85	2.52	4.92	8.51	3.65	4.78	0.30	0.60	1.97	30.70
1886...	3.44	0.81	1.36	1.69	0.89	1.80	1.77	3.90	3.21	1.71	1.32	0.50	22.49
1887...	0.25	1.36	0.26	1.94	0.50	0.98	1.77	2.21	4.35	1.62	0.81	1.32	17.37
1888...	1.44	0.51	4.12	3.29	6.20	3.62	4.55	5.93	1.66	1.12	0.28	2.03	34.85
1889...	1.45	0.93	0.76	1.51	2.30	3.31	2.72	4.64	2.76	0.06	1.98	1.95	24.37
1890...	1.57	0.80	0.63	1.77	4.20	8.91	1.46	3.47	5.20	5.14	1.24	0.38	34.77
1891...	2.10	1.33	2.58	2.14	0.60	5.62	2.92	1.48	1.77	1.87	1.21	3.27	26.98
1892...	0.80	1.87	0.53	4.70	7.06	8.21	3.97	1.88	3.07	2.47	0.59	1.04	36.19
1893...	1.10	1.74	1.80	3.80	3.14	2.31	3.19	1.30	1.26	1.60	1.37	2.03	24.64
1894...	1.27	0.89	1.89	3.74	2.92	2.31	0.35	0.35	5.14	1.90	1.15	1.03	22.94
1895...	1.22	0.69	0.39	1.07	4.04	3.95	2.19	2.66	2.41	0.54	1.45	2.36	22.97
1896...	0.67	0.25	0.60	5.84	3.55	4.29	1.51	2.16	3.33	3.69	2.66	0.60	29.15
1897...	1.66	1.39	1.61	1.86	1.59	4.75	1.50	3.47	1.64	0.30	0.75	0.80	21.32
1898...	0.74	1.16	1.99	3.07	1.10	2.13	1.75	3.25	1.64	4.53	1.84	0.29	23.49
1899...	0.37	1.20	2.02	2.88	4.58	11.56	4.10	3.72	1.06	1.11	0.67	2.08	35.35
1900...	0.71	1.09	1.49	2.48	3.47	2.19	9.50	2.75	4.71	12.09	1.04	0.33	41.85
1901...	0.64	0.64	2.16	1.17	3.85	5.31	6.49	0.93	9.84	2.70	0.74	0.46	34.93
1902...	0.63	0.73	1.05	0.81	8.25	2.03	5.75	2.30	2.97	1.35	1.76	2.03	30.26
1903...	0.20	0.95	1.56	4.81	6.74	1.88	4.25	8.36	3.28	1.51	0.04	0.82	34.40
1904...	0.32	0.57	1.70	1.35	3.57	3.58	2.05	3.67	4.98	2.17	0.13	1.32	25.41
1905...	0.62	1.07	1.20	0.62	6.66	5.75	2.72	8.18	2.54	2.29	2.47	1.17	35.29
1906...	1.76	0.61	2.59	0.73	5.92	4.72	3.17	5.30	7.11	1.90	2.05	1.79	37.75
1907...	1.61	0.31	1.99	1.79	2.30	2.44	5.67	5.73	3.55	0.57	1.56	0.89	28.41
1908...	0.34	1.71	1.92	2.99	8.37	5.87	2.81	1.76	2.82	1.28	0.59	1.11	31.57
1909...	1.53	1.89	1.36	5.96	3.19	1.99	0.66	8.76	4.03	1.30	5.80	1.79	38.26
Means	1.12	1.06	1.61	2.39	3.75	4.38	3.93	3.66	4.08	2.39	1.59	1.35	31.31

LANCASTER, GRANT COUNTY, WIS.
(Elevation, 1,070 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	....	1.67	3.20	1.34	1.50	3.30	2.60	2.05	....	....	2.78	2.62	.....
1892...	1.91	1.43	1.65	2.74	10.47	12.10	3.88	2.21	2.78	0.99	....	....	.....
1893...	1.86	1.95	1.99	5.78	2.82	2.39	3.81	0.90	2.11	2.60	1.20	2.33	29.74
1894...	0.87	1.15	2.50	2.58	3.51	3.06	T.	1.35	3.87	2.57	2.05	0.33	23.84
1895...	1.83	1.20	0.72	0.62	2.48	2.24	1.83	2.73	3.42	0.94	2.45	1.94	22.40
1896...	0.89	0.61	1.41	5.30	5.60	3.94	2.99	1.73	4.21	2.49	1.69	1.27	32.13
1897...	1.87	0.45	1.31	4.19	2.11	7.90	2.08	1.06	3.84	1.14	1.32	1.05	28.32
1898...	1.30	1.56	2.40	2.77	3.30	4.18	4.90	2.51	2.48	3.61	1.51	0.44	30.96
1899...	0.37	1.19	1.61	2.54	5.25	5.82	4.94	4.18	0.93	1.68	1.32	2.09	31.92
1900...	0.91	1.14	1.98	3.03	2.72	1.53	9.42	4.01	4.77	3.56	1.81	0.33	35.81
1901...	0.66	1.08	2.83	1.07	2.92	1.30	1.66	0.64	3.33	3.32	1.29	1.15	21.25
1902...	0.92	0.89	1.49	1.80	6.49	5.50	9.20	0.48	4.25	1.12	1.33	1.91	35.38
1903...	0.18	0.45	1.56	4.43	5.52	1.56	8.18	6.28	3.43	1.67	0.60	0.65	34.51
1904...	0.19	0.60	3.29	2.25	4.83	1.47	4.63	3.02	4.01	3.13	0.26	1.87	29.55
1905...	0.63	2.19	1.46	1.96	7.17	4.09	3.32	3.27	1.95	2.02	2.68	0.40	31.74
1906...	0.87	1.35	0.92	1.23	....	....	....	....	3.07	2.34	3.54	1.45	.....
1907...	1.25	0.72	1.14	1.98	2.15	4.52	4.89	6.09	6.74	0.54	0.68	0.66	31.36
1908...	1.05	1.06	0.94	3.35	5.46	....	....	2.56	2.11	1.73	1.52	0.97	.....
1909...	1.12	0.85	0.80	6.60	3.94	5.59	1.55	3.49	2.20	1.03	3.62	1.05	32.34
Means	1.04	1.13	1.75	2.95	4.35	4.15	4.11	2.70	3.31	2.06	1.76	1.28	30.59

*MAUSTON, JUNEAU COUNTY, WIS.
(Elevation, 882 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1896...	....	....	....	....	....	....	4.27	1.93	4.75	2.45	3.21	0.43	.....
1897...	1.45	0.58	1.39	2.86	1.71	4.10	3.50	2.40	1.47	0.79	1.40	0.56	22.21
1898...	0.75	0.55	2.83	3.25	1.88	3.00	4.39	1.16	1.56	3.37	1.28	0.46	24.58
1899...	1.02	0.85	1.81	2.46	4.99	7.03	3.58	4.93	2.02	1.65	0.97	1.07	32.38
1900...	0.62	1.34	1.37	1.69	1.46	1.52	6.71	3.93	4.16	7.25	1.55	0.68	32.28
1901...	0.52	0.92	2.47	0.40	2.14	9.66	3.71	1.87	4.60	3.51	0.80	0.49	31.18
1902...	0.68	1.46	1.33	0.66	8.96	2.59	4.62	1.13	3.21	1.52	1.27	2.34	29.77
1903...	0.47	0.99	2.85	2.98	5.46	2.08	4.01	9.01	3.08	1.81	0.60	0.61	33.95
1904...	0.37	1.09	1.79	1.83	6.68	5.16	5.65	1.66	4.90	4.21	0.13	1.76	35.23
1905...	1.00	1.74	1.63	1.07	7.07	7.60	3.90	3.83	1.36	2.89	1.92	1.14	35.15
1906...	2.00	1.60	3.15	1.54	3.93	6.17	2.69	2.64	4.27	2.50	2.01	1.23	33.73
1907...	2.19	0.18	1.50	3.01	2.64	2.72	7.74	4.53	4.02	0.37	1.42	1.53	31.85
1908...	0.50	0.82	2.73	3.69	8.95	4.52	2.34	1.56	2.06	1.18	1.90	1.14	31.39
1909...	2.15	1.70	1.58	5.81	3.82	3.36	2.92	6.18	2.73	1.35	4.44	2.26	38.30
Means	1.06	1.07	2.03	2.40	4.36	4.58	4.29	3.34	3.16	2.49	1.64	1.12	31.54

* Record at Easton up to December, 1904.

MEADOW VALLEY, JUNEAU COUNTY, WIS.
(Elevation, 974 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	....	....	2.05	2.42	0.25	4.89	1.61	2.02	1.82	1.52	1.17	2.91	.....
1892...	0.98	1.77	0.97	1.89	7.11	8.63	2.17	3.85	1.99	1.40	1.07	0.93	32.76
1893...	1.22	1.08	1.14	3.23	2.50	1.37	4.11	3.23	....	....	....	2.57	.....
1894...	1.24	0.45	1.16	1.41	5.48	2.09	1.38	0.36	1.86	2.49	1.21	1.14	20.89
1895...	0.72	0.42	0.35	1.11	3.78	2.47	1.49	3.71	1.88	0.29	1.17	2.17	19.56
1896...	0.49	0.80	0.51	5.37	6.15	2.70	3.49	1.82	4.89	2.77	2.50	0.39	31.88
1897...	1.61	1.18	2.04	1.75	2.46	3.57	2.37	4.51	2.03	0.74	1.08	1.10	24.44
1898...	0.40	0.63	2.40	3.19	1.32	6.07	4.31	2.74	2.24	4.89	1.32	0.23	29.74
1899...	0.95	0.70	1.84	4.01	3.20	7.36	2.46	3.76	2.81	1.53	1.20	1.62	31.44
1900...	0.52	0.96	0.58	3.38	1.83	0.95	8.16	2.39	6.55	8.72	1.22	0.40	35.66
1901...	0.35	0.44	2.19	1.07	2.75	5.03	7.40	1.84	6.17	3.74	0.62	0.48	32.08
1902...	0.34	0.78	1.06	1.13	9.45	2.35	6.53	2.39	3.78	1.36	2.29	1.06	33.12
1903...	0.38	0.62	1.53	3.27	5.99	1.33	5.34	7.40	4.48	3.08	0.83	0.55	34.80
1904...	0.08	0.62	2.28	1.69	4.71	5.25	1.52	1.54	5.15	3.26	0.27	1.48	27.83
1905...	0.78	0.85	1.31	0.89	5.96	7.20	3.12	5.69	4.40	3.00	1.96	0.94	36.10
1906...	1.94	0.48	1.90	1.59	5.63	7.24	3.04	2.62	3.46	2.30	3.01	0.53	34.04
1907...	1.42	0.21	1.23	2.45	3.35	2.99	11.27	6.40	3.48	0.49	1.12	1.35	35.76
1908...	0.39	0.87	1.73	3.11	6.30	3.58	4.56	2.14	4.35	1.35	1.75	0.81	30.94
1909...	0.52	0.92	0.94	4.41	3.24	2.82	1.32	2.52	3.77	1.41	3.74	1.50	27.11
Means	0.80	0.77	1.43	2.49	4.29	4.13	3.98	3.21	3.62	2.46	1.53	1.21	29.92

MEDFORD, TAYLOR COUNTY, WIS.
(Elevation, 1,420 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1889...	....	....	....	....	....	....	3.40	2.83	2.78	0.05	1.70	2.18	.....
1890...	1.19	1.56	1.76	1.70	4.38	4.50	3.43	6.17	7.87	3.68	0.80	0.80	37.84
1891...	2.13	2.33	2.23	2.72	0.46	3.99	1.75	2.63	2.78	3.65	0.48	5.06	30.21
1892...	1.35	1.56	1.10	2.03	6.60	9.50	4.85	2.03	1.91	2.38	1.25	0.50	36.06
1893...	0.76	2.25	1.65	3.45	3.46	1.98	2.80	1.57	2.14	3.00	0.90	2.65	26.61
1894...	1.10	1.30	1.95	4.07	4.66	2.59	0.93	1.75	2.86	3.14	1.58	1.09	27.02
1895...	1.47	0.35	0.34	1.05	6.08	4.93	3.86	3.19	3.32	0.52	1.84	1.28	28.23
1896...	2.50	0.78	0.95	2.61	5.22	4.10	6.15	3.18	2.33	2.45	3.06	0.59	33.92
1897...	1.02	0.66	2.15	1.34	1.45	8.12	5.27	2.59	1.90	2.45	0.04	0.40	27.39
1898...	0.02	1.70	2.20	1.55	1.18	6.85	2.25	2.30	1.95	5.50	2.45	T.	28.05
1899...	0.80	0.80	1.75	1.58	6.40	5.90	0.75	3.80	2.80	4.50	0.40	2.50	31.98
1900...	0.85	1.10	0.90	2.95	2.50	1.35	8.78	6.40	7.95	10.75	0.65	0.75	44.93
1901...	0.35	0.35	1.75	0.45	3.00	6.05	4.75	1.80	5.95	2.80	0.70	0.50	20.05
1902...	1.00	1.60	1.70	3.90	5.30	2.80	7.20	5.20	4.15	3.20	5.30	0.70	42.05
1903...	0.20	0.20	2.35	3.95	8.25	0.90	7.40	7.30	9.50	4.70	0.90	0.50	46.15
1904...	0.20	0.90	1.30	3.05	5.95	5.90	2.85	3.90	5.75	8.00	0.40	2.90	41.10
1905...	0.50	0.70	1.75	1.20	5.35	16.20	6.50	5.60	3.92	1.30	0.65	0.50	44.17
1906...	1.80	0.20	0.50	1.67	5.40	4.71	3.90	3.55	2.85	3.56	1.90	1.20	31.24
1907...	0.70	0.20	0.60	0.50	2.60	3.10	1.50	3.45	5.10	0.90	0.80	0.30	19.75
1908...	0.70	1.85	1.10	2.80	5.08	4.19	4.30	2.63	3.60	3.07	2.14	1.45	32.91
1909...	0.05	1.50	0.90	2.55	1.90	3.72	3.37	2.15	3.54	2.05	5.10	1.15	28.58
Means	0.96	1.00	1.45	2.26	4.26	5.10	4.09	3.52	4.05	3.41	1.57	1.29	33.05

NEILLSVILLE, CLARK COUNTY, WIS.
(Elevation, 996 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1890...	....	1.60	....	....	....	....	....	....	....	....	0.22	0.65	.....
1891...	1.56	2.36	2.03	2.50	0.37	6.39	1.59	3.21	1.96	3.49	0.67	4.19	30.32
1892...	0.79	2.24	1.08	2.78	7.29	13.24	4.65	1.76	2.33	2.27	1.01	0.85	40.29
1893...	1.11	2.37	2.65	4.55	2.31	2.06	4.42	3.85	3.42	2.16	1.59	4.72	35.21
1894...	1.87	0.52	1.64	3.69	6.74	4.38	0.39	0.22	2.62	2.97	2.01	1.28	28.33
1895...	1.10	0.77	0.85	1.84	4.60	2.18	2.93	1.90	3.44	0.84	1.29	1.40	23.14
1896...	1.16	0.50	0.95	5.16	5.26	3.21	2.05	4.96	4.88	3.73	4.27	0.40	37.13
1897...	1.95	1.38	3.28	2.61	2.67	6.04	2.93	4.41	1.64	1.12	1.32	0.81	30.16
1898...	0.85	1.85	2.73	4.51	1.58	3.15	2.84	3.33	1.35	4.79	1.30	0.43	28.71
1899...	0.95	1.11	2.41	2.18	5.14	7.32	2.61	2.76	1.05	3.52	1.27	2.62	32.94
1900...	1.00	1.48	1.95	3.21	1.99	2.41	9.04	4.19	8.01	7.70	1.30	0.93	43.21
1901...	0.50	0.45	3.10	0.92	3.92	4.56	5.27	1.75	4.75	....	....	0.40	.....
1902...	1.25	0.60	1.73	2.15	6.52	3.53	6.27	3.12	3.63	1.45	2.85	3.05	36.15
1903...	0.10	1.37	2.06	3.41	6.04	1.93	7.32	6.92	8.32	1.95	1.13	0.85	41.40
1904...	0.36	1.20	2.07	2.22	4.91	6.57	2.37	1.42	6.82	5.32	0.21	3.31	36.78
1905...	0.60	1.95	1.96	1.01	5.23	8.83	3.18	5.19	4.02	3.58	1.77	1.60	38.92
1906...	2.00	1.10	2.15	0.99	4.86	4.50	1.55	3.05	3.22	2.70	3.45	1.20	30.77
1907...	2.15	1.00	2.92	2.33	2.81	3.93	5.45	5.06	3.74	1.40	0.70	1.00	32.49
1908...	0.80	1.58	3.20	3.77	4.79	6.55	4.63	2.35	3.09	1.71	1.86	0.90	35.23
1909...	0.95	3.00	1.96	4.17	3.50	2.60	1.85	2.88	3.33	1.92	4.75	1.92	32.83
Means	1.11	1.42	2.14	2.84	4.24	4.91	3.79	3.28	3.77	2.92	1.74	1.63	33.79

PORTAGE, COLUMBIA COUNTY, WIS.
(Elevation, 800 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1889...	1.72	1.74	1.19	2.20	3.06	3.78	3.42	1.47	1.18	0.16	2.36	2.61	24.89
1890...	2.89	1.53	1.80	4.87	5.40	6.04	2.25	3.89	2.94	5.35	1.33	1.34	39.63
1891...	1.37	1.55	2.31	2.15	0.56	3.32	2.59	2.01	0.64	1.95	1.82	2.87	23.14
1892...	1.23	2.39	2.30	2.96	7.13	9.98	1.79	3.17	3.90	1.29	2.86	2.05	40.23
1893...	1.41	2.09	2.64	5.98	3.05	2.71	6.35	1.23	2.74	2.48	2.14	2.58	35.40
1894...	1.43	0.87	1.83	3.38	6.44	4.71	1.05	0.77	3.56	3.05	3.05	1.50	30.64
1895...	2.04	0.40	0.44	1.05	2.26	0.82	2.06	2.80	1.66	0.60	1.60	1.95	18.06
1896...	0.95	0.20	0.35	3.84	6.11	3.15	2.78	2.31	3.94	1.53	1.15	0.47	26.78
1897...	1.43	0.64	1.93	2.49	5.56	6.48	3.51	3.89	2.38	2.04	1.08	1.61	28.04
1898...	1.59	0.74	2.26	2.14	2.70	2.72	2.18	4.53	1.79	3.27	0.93	0.15	25.00
1899...	0.70	0.52	1.94	2.02	4.02	8.97	2.57	2.58	2.85	1.52	0.64	2.10	30.43
1900...	0.75	1.40	1.13	2.09	0.86	2.15	8.28	4.05	2.90	4.70	1.95	0.45	30.71
1901...	0.55	0.48	2.50	0.49	2.59	1.97	2.44	1.57	3.17	2.67	0.79	0.95	20.17
1902...	0.25	1.49	1.11	1.18	6.76	3.06	6.98	1.06	4.04	1.51	1.10	2.39	30.93
1903...	0.15	0.92	2.64	4.08	4.96	1.67	4.19	9.74	2.74	1.75	1.08	0.50	34.42
1904...	0.23	0.65	3.21	2.13	4.91	2.43	3.63	1.23	6.29	2.25	0.05	1.82	28.83
1905...	0.80	0.84	1.43	1.27	7.64	7.93	2.78	3.57	0.95	2.14	2.17	1.37	32.89
1906...	2.14	0.77	2.22	1.92	3.10	5.76	1.55	3.27	3.34	4.08	2.52	1.74	31.41
1907...	1.75	0.19	1.36	2.64	3.35	2.41	6.85	6.14	3.56	0.69	0.85	1.72	31.51
1908...	0.28	1.37	2.28	5.26	5.63	2.78	1.76	4.26	1.50	0.94	1.69	0.95	28.70
1909...	0.51	0.66	1.11	5.23	3.08	3.39	1.43	4.24	3.30	0.86	2.26	1.56	27.63
Means	1.15	1.02	1.81	2.81	4.01	4.11	3.35	3.23	2.83	2.13	1.54	1.56	29.55

PRAIRIE DU CHIEN, CRAWFORD COUNTY, WIS.
(Elevation, 690 feet.)

1891...	1.81	1.05	2.44	1.11	1.65	2.95	1.76	2.32	1.73	1.82	0.96	2.82	22.42
1892...	1.86	1.21	1.13	4.03	8.26	13.53	2.82	3.37	1.96	1.26	1.00	1.47	41.90
1893...	1.81	1.00	1.97	3.07	3.86	2.45	5.69	2.61	1.40	3.00	1.18	1.41	29.45
1894...	0.79	0.66	1.99	2.51	2.00	2.64	0.04	1.13	3.65	2.57	1.50	1.00	20.48
1895...	1.45	0.50	0.61	0.55	3.12	1.67	1.44	2.09	2.48	0.95	1.55	2.04	18.45
1896...	0.50	0.25	0.94	5.59	6.93	4.53	2.18	2.82	4.27	2.49	2.23	0.81	33.54
1897...	2.78	1.11	1.73	2.44	1.32	5.10	4.68	0.80	6.58	0.42	0.96	1.47	29.39
1898...	0.89	1.44	2.28	2.55	2.03	2.26	3.25	1.83	1.86	3.90	1.52	0.40	24.21
1899...	0.71	1.59	2.12	1.78	2.93	7.23	1.41	3.00	1.56	2.08	1.26	2.36	28.03
1900...	0.73	1.17	2.05	3.19	3.02	1.62	5.89	2.06	3.10	5.42	1.87	0.35	30.47
1901...	0.77	0.94	3.04	1.02	1.38	2.16	2.68	1.14	4.15	2.44	0.60	0.38	20.70
1902...	0.58	1.08	2.39	1.80	11.84	6.57	8.88	1.05	3.73	1.22	1.53	3.37	44.64
1903...	0.22	1.33	2.13	3.36	5.23	1.59	8.94	8.22	3.48	1.75	0.27	0.53	37.05
1904...	0.65	0.66	3.06	2.38	4.74	2.38	3.14	3.23	4.08	2.27	0.35	2.40	39.34
1905...	0.99	1.14	1.19	1.55	7.00	5.73	1.45	7.48	3.72	4.50	2.80	0.91	38.46
1906...	2.28	1.50	2.86	1.15	4.93	2.15	3.70	6.28	5.19	1.91	3.01	1.82	36.78
1907...	1.89	0.35	1.55	1.17	1.05	4.41	4.99	6.82	6.43	1.37	1.28	0.75	32.06
1908...	0.70	2.03	1.59	2.90	7.24	6.97	4.92	2.26	3.72	1.29	1.34	1.14	36.10
1909...	1.84	1.23	1.29	6.20	3.10	4.56	1.11	3.42	2.26	1.39	4.64	2.05	33.09
Means	1.22	1.07	1.91	2.54	4.33	4.24	3.63	3.26	3.44	2.21	1.57	1.45	30.87

PRENTICE, PRICE COUNTY, WIS.
(Elevation, 1,551 feet.)

1898...	....	....	....	....	4.32	4.97	2.20	1.66	1.79	4.27	2.43	0.11	.....
1899...	0.81	1.01	1.73	2.57	7.17	7.75	3.07	7.40	3.47	5.56	1.13	1.50	43.17
1900...	....	....	0.79	3.46	1.55	3.03	13.35	7.28	....	....	....	....	.....
1901...	....	....	....	0.90	1.31	5.50	6.14	2.80	3.71	2.28	0.22	1.20	.....
1902...	1.50	2.20	0.73	2.46	2.45	6.11	4.74	2.85	4.41	3.01	4.77	2.80	38.03
1903...	0.45	0.60	....	....	....	....	0.80	4.47	7.12	1.61	0.86	0.67	.....
1904...	0.42	1.10	1.51	1.69	4.60	7.15	2.21	4.43	4.25	4.76	0.03	1.83	33.98
1905...	1.00	0.52	0.28	0.85	4.17	9.23	3.94	6.59	4.48	2.39	1.57	1.42	36.44
1906...	4.35	0.30	1.10	1.41	3.51	4.45	3.41	4.68	3.50	3.74	1.76	1.53	33.74
1907...	1.46	0.27	1.89	1.65	3.08	1.96	2.08	2.95	4.82	1.17	1.09	0.33	22.25
1908...	0.72	0.86	2.02	2.79	4.23	5.00	3.51	2.47	2.40	1.30	0.88	0.70	26.88
1909...	0.85	1.43	1.37	3.20	3.00	0.86	3.60	1.93	2.51	2.45	4.52	0.94	26.66
Means	1.28	0.92	1.27	2.10	3.58	5.09	4.09	4.13	3.86	2.96	1.75	1.18	32.21

STEVENS POINT, PORTAGE COUNTY, WIS.
(Elevation, 1,118 feet.)

1893...	1.75	0.87	1.70	3.94	2.33	1.64	2.93	1.16	3.81	2.59	1.31	2.06	26.09
1894...	0.89	0.25	0.95	2.93	6.08	2.26	0.93	1.36	1.87	2.60	2.11	1.40	23.63
1895...	1.09	0.35	0.48	0.89	4.65	3.76	2.11	3.59	2.91	0.80	1.28	0.76	22.67
1896...	0.67	0.19	0.38	3.67	7.68	5.20	2.94	3.49	4.94	2.38	2.76	0.67	34.97
1897...	1.51	0.91	1.73	2.12	2.39	6.76	2.34	1.72	2.26	0.60	1.17	1.02	24.53
1898...	0.55	1.19	0.76	1.94	2.30	5.16	1.45	3.23	1.89	4.52	1.15	0.50	24.64
1899...	0.90	0.90	1.15	3.86	2.28	7.48	3.28	2.49	1.90	1.86	1.28	0.88	28.26
1900...	0.35	0.41	0.94	3.04	1.89	0.51	8.28	1.32	8.81	6.85	0.60	0.45	33.45
1901...	0.73	0.70	2.27	0.90	2.04	2.87	4.01	1.44	3.89	4.47	0.50	0.50	24.32
1902...	0.60	0.70	1.10	1.32	8.16	3.16	4.04	1.82	3.03	1.37	2.59	2.27	30.16
1903...	0.40	1.79	2.43	2.94	5.59	1.88	5.33	6.46	3.78	1.38	1.44	0.94	34.36
1904...	0.16	0.98	0.85	1.72	7.33	3.68	2.98	2.39	3.00	5.26	0.31	1.00	29.66
1905...	1.00	0.50	0.75	1.41	4.58	9.55	3.85	6.94	2.34	1.58	1.79	1.34	35.63
1906...	2.51	0.09	3.08	2.02	2.86	7.88	2.14	4.87	3.67	3.49	4.96	2.20	39.77
1907...	2.58	0.08	1.70	2.21	2.59	2.44	3.12	3.50	2.75	0.46	1.18	1.18	23.79
1908...	0.87	0.83	1.53	3.76	4.37	2.44	4.61	0.51	2.08	1.16	0.80	1.60	24.56
1909...	....	1.96	1.84	4.13	2.36	....	....	2.82	3.84	1.56	4.00	2.63	.....
Means	1.04	0.75	1.39	2.52	4.09	4.17	3.40	2.89	3.34	2.53	1.72	1.26	29.10

SHULLSBURG, LAFAYETTE COUNTY, WIS.
(Elevation, 1,019 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1888...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1889...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1890...	....	....	....	....	0.46	10.96	0.05	0.18	0.27	5.45	1.22	0.80	.....
1891...	2.32	1.68	2.78	0.42	1.11	3.00	3.10	1.40	0.02	0.18	3.52	3.17	22.70
1892...	2.21	2.41	1.41	3.46	7.86	4.80	1.70	1.12	1.27	0.05	0.62	1.36	28.27
1893...	1.26	1.56	1.44	3.65	0.49	2.26	2.29	3.41	2.35	4.32	0.84	2.73	26.60
1894...	2.45	0.52	2.55	6.61	2.51	3.36	2.11	1.48	....	....	....	....	.....
1895...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1896...	....	....	....	....	....	....	....	0.75	5.96	2.30	1.45	0.55	.....
1897...	2.30	1.00	3.20	4.50	1.00	7.95	2.16	0.55	2.75	0.30	0.60	2.55	28.86
1898...	2.00	1.60	2.85	2.20	3.08	9.22	5.80	5.70	0.85	4.00	1.65	T.	38.95
1899...	0.60	0.80	....	1.91	7.45	....	7.60	....	....	....	....	....	.....
1900...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1901...	0.96	1.08	2.23	0.85	3.14	2.65	4.40	0.25	3.63	1.76	0.88	1.46	23.29
1902...	0.30	1.36	1.54	2.60	6.98	8.50	7.80	1.10	3.81	0.95	1.12	1.91	37.97
1903...	0.62	1.05	2.14	4.24	3.99	2.11	9.16	8.69	3.91	2.21	1.51	1.25	40.18
1904...	0.80	1.05	2.70	1.65	1.66	1.71	3.70	3.79	6.21	2.20	0.03	1.42	26.92
1905...	0.85	2.15	1.53	2.08	6.47	4.02	2.78	2.93	1.76	4.28	2.34	0.84	32.03
1906...	3.49	2.18	2.03	1.40	4.92	3.33	2.28	6.90	2.52	1.66	2.90	2.10	35.71
1907...	2.32	0.27	1.93	2.97	2.97	4.41	6.78	5.78	6.86	1.17	1.63	1.11	38.20
1908...	0.87	2.41	2.54	3.95	6.45	3.93	4.55	2.13	1.42	0.89	2.38	1.08	32.60
1909...	2.73	2.07	1.67	8.45	4.44	4.36	0.53	6.51	3.43	1.81	4.61	3.87	44.48
Means	1.53	1.44	2.17	3.18	3.82	4.79	3.94	3.06	2.93	2.10	1.71	1.64	32.41

VALLEY JUNCTION, MONROE COUNTY, WIS.
(Elevation, 980 feet.)

1892...	1.25	1.75	0.67	2.96	7.11	7.91	3.31	2.41	2.23	1.81	0.85	0.97	33.23
1893...	1.38	1.27	2.04	4.48	2.32	0.97	4.32	3.89	1.49	2.25	1.38	3.00	28.79
1894...	0.97	0.69	1.39	4.02	8.38	1.44	1.01	0.43	2.61	2.24	1.23	1.10	25.51
1895...	0.85	0.56	0.38	1.57	3.87	2.59	1.75	4.31	2.48	0.15	1.36	1.30	21.17
1896...	0.97	0.27	0.57	5.23	4.20	3.04	5.16	1.73	3.83	3.05	2.22	0.58	30.85
1897...	1.47	1.06	2.54	1.75	1.89	3.26	2.26	3.10	2.59	0.41	1.25	0.91	22.49
1898...	0.69	1.83	2.45	4.43	1.95	3.88	3.27	2.66	2.98	4.74	1.69	0.14	30.71
1899...	0.97	1.34	2.63	3.41	4.82	7.39	2.19	3.39	1.60	1.04	0.61	1.37	30.76
1900...	0.41	0.66	0.90	3.79	1.58	1.32	6.84	3.89	7.18	10.77	1.24	0.40	38.98
1901...	0.50	0.66	3.01	1.06	2.59	9.75	7.00	1.58	7.23	5.75	1.10	0.50	40.73
1902...	0.45	0.75	1.05	0.81	10.64	2.94	5.33	3.24	2.90	2.34	3.03	1.96	35.44
1903...	0.01	0.85	2.24	2.47	4.88	1.84	3.40	6.28	4.08	1.18	0.53	0.48	28.24
1904...	0.18	0.46	1.26	1.29	5.64	4.00	3.66	1.05	5.42	3.22	0.06	2.74	28.98
1905...	0.75	0.92	1.29	0.89	7.20	6.52	4.33	4.38	4.34	3.18	1.86	0.66	36.32
1906...	2.45	0.95	5.15	1.30	5.43	3.95	4.03	3.68	5.10	3.57	3.20	1.18	39.99
1907...	2.37	0.39	3.19	2.71	3.29	2.91	9.28	7.40	4.15	0.98	1.29	1.07	39.03
1908...	0.75	2.10	2.94	4.13	8.40	6.59	4.92	1.73	2.96	1.99	1.49	1.60	39.60
1909...	1.91	2.52	2.48	6.22	5.33	4.20	0.99	3.89	3.93	1.81	5.19	2.98	41.45
Means	1.02	1.02	2.01	2.92	4.97	4.14	4.06	3.28	3.73	2.82	1.64	1.27	32.90

VIROQUA, VERNON COUNTY, WIS.
(Elevation, 1.412 feet.)

1890...	....	....	....	1.60	3.03	1.90	2.16	2.36	4.79	T.	0.16	0.05	.....
1891...	....	....	....	....	....	4.72	3.17	6.64	1.44	1.87	1.73	3.62	.....
1892...	1.12	1.92	1.77	5.29	8.17	8.28	3.11	3.83	2.70	1.10	1.12	1.39	39.80
1893...	1.00	1.97	3.09	4.78	3.43	1.26	4.31	2.59	1.09	2.48	0.87	1.88	28.75
1894...	1.23	1.03	3.13	5.34	2.81	1.95	0.89	T.	4.87	3.43	1.33	1.94	27.95
1895...	1.55	0.95	0.34	1.30	4.89	3.68	1.33	2.49	2.37	0.60	1.50	2.05	23.05
1896...	0.94	0.30	0.79	8.19	5.36	6.83	1.48	2.48	3.77	3.34	3.66	0.45	37.59
1897...	2.60	1.27	2.03	2.66	1.23	9.11	3.89	2.82	1.66	0.27	0.98	1.71	30.23
1898...	1.15	2.19	3.45	4.15	2.04	2.22	3.19	5.13	2.40	5.02	1.81	0.97	33.72
1899...	0.57	2.10	2.63	3.70	4.03	8.68	3.14	4.53	1.40	1.83	1.74	1.90	36.25
1900...	1.33	1.35	1.70	3.63	2.99	1.58	9.20	4.03	4.85	6.82	2.10	0.72	40.30
1901...	0.99	1.37	2.73	1.63	3.14	3.22	7.22	1.52	9.04	4.79	0.90	0.51	37.06
1902...	0.87	1.14	2.39	1.65	11.60	3.54	6.00	1.39	3.40	1.88	2.52	3.10	39.48
1903...	0.38	1.09	1.52	4.68	6.41	2.67	5.58	9.62	3.82	1.63	0.47	1.05	38.92
1904...	0.33	0.97	2.98	1.91	5.92	4.19	4.65	3.79	7.18	4.22	0.28	2.40	38.82
1905...	1.12	1.43	2.00	1.24	7.47	4.44	3.22	4.24	3.52	3.92	3.21	1.51	37.32
1906...	2.51	0.96	3.66	0.86	7.92	6.51	3.10	3.32	5.30	3.14	2.44	1.79	41.51
1907...	1.83	0.28	1.58	2.12	2.22	4.74	8.99	5.62	5.44	1.03	1.80	1.55	37.20
1908...	0.48	1.82	1.72	2.52	6.48	5.99	4.49	1.91	4.47	1.38	0.99	1.25	33.50
1909...	1.85	1.28	1.02	7.30	3.19	3.18	3.34	7.34	3.44	1.05	3.75	1.58	38.32
Means	1.21	1.30	2.14	3.40	4.86	4.43	4.12	3.78	3.35	2.49	1.67	1.57	34.82

WAUSAU, MARATHON COUNTY, WIS.
(Elevation, 1,212 feet.)

1895...	....	....	....	3.10	6.25	2.81	3.30	4.35	3.33	0.52	1.44	1.36	.....
1896...	1.02	0.38	1.19	3.26	5.03	5.02	1.45	5.84	2.26	2.91	3.99	1.36	33.71
1897...	1.83	1.24	2.37	1.91	2.20	5.17	3.42	2.91	2.76	1.92	0.97	0.86	27.56
1898...	0.84	2.09	3.74	1.61	2.55	2.07	4.04	3.94	2.19	5.64	2.13	0.39	31.23
1899...	1.51	1.15	2.50	4.26	4.43	6.77	2.96	2.58	2.28	3.27	0.58	1.65	33.94
1900...	1.00	1.55	1.40	3.13	1.47	1.81	13.02	4.38	7.88	10.89	0.75	1.00	48.28
1901...	....	....	....	....	4.20	3.68	3.27	2.10	4.52	2.04	1.47	1.66	.....
1902...	1.37	1.94	1.28	2.19	6.35	3.12	4.62	4.01	3.05	1.90	3.89	2.29	36.01
1903...	0.47	1.05	2.19	3.89	6.87	0.78	7.92	6.02	5.78	2.18	0.88	0.60	38.63
1904...	0.34	1.57	1.62	2.42	4.71	3.83	3.57	2.14	3.29	5.24	0.03	2.50	31.26
1905...	1.50	0.68	1.41	1.62	4.74	5.68	3.00	3.93	3.98	1.88	1.33	1.12	30.87
1906...	1.56	0.51	1.46	1.57	4.85	7.24	2.67	2.84	3.20	3.97	3.53	1.31	34.71
1907...	1.79	0.18	1.82	1.93	1.84	6.63	2.91	4.71	4.38	0.59	0.77	1.05	28.60
1908...	1.19	0.91	1.71	2.33	4.43	4.08	4.25	1.48	3.64	1.48	1.26	0.87	27.63
1909...	0.70	1.24	1.17	2.94	1.66	4.06	2.41	2.50	3.01	0.88	2.42	0.90	23.89
Means	1.16	1.11	1.84	2.58	4.11	4.18	4.19	3.58	3.70	3.02	1.70	1.26	32.43

MEAN TEMPERATURE (Fahrenheit).

Stations.	Length record, years.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Dodgeville	10	18.0	17.9	31.7	45.1	57.8	66.8	70.8	69.6	63.3	51.7	34.9	21.2	45.7
Dubuque ....Iowa.	36	18.6	21.9	33.5	48.9	60.3	70.2	74.0	71.8	63.9	51.7	36.4	24.9	47.9
Grand Rapids	11	13.3	14.5	29.6	44.1	56.3	66.3	69.3	68.0	61.0	46.9	32.7	20.0	43.5
Hancock	18	15.3	16.0	29.4	44.5	56.6	66.6	70.9	68.6	61.0	48.4	33.0	19.9	44.2
Hatfield	12	14.9	14.3	28.4	46.9	58.8	66.9	70.6	67.7	60.8	48.8	32.4	18.5	44.1
Hillsboro	19	15.3	15.5	29.3	44.6	55.6	65.1	69.3	67.4	60.5	47.8	32.8	20.0	43.6
Koepenick	18	12.7	13.9	26.0	41.7	54.5	64.5	67.4	64.3	58.9	45.8	31.4	18.1	41.6
La Crosse	37	15.9	18.9	31.2	47.4	59.1	68.4	72.9	70.4	61.9	50.0	34.5	22.9	46.1
Lancaster	18	16.5	17.2	31.2	46.6	58.2	67.6	71.7	69.9	62.0	49.5	33.9	21.3	45.5
Mauston	14	15.8	15.2	30.2	45.0	56.1	65.4	70.2	67.8	60.8	48.9	34.7	19.4	44.1
Meadow Valley	19	13.7	14.2	28.3	44.9	56.2	65.4	69.3	67.1	60.3	47.9	32.3	19.0	43.2
Medford	19	12.9	13.0	26.2	42.1	53.9	65.1	68.8	67.3	59.7	46.0	30.2	17.9	42.0
Neillsville	21	13.1	13.8	27.8	44.2	55.5	65.9	69.8	67.1	59.4	46.9	31.3	19.1	42.8
Portage	14	18.2	17.4	31.1	46.3	58.7	66.7	71.4	68.7	61.3	50.0	35.8	21.2	45.6
Prairie du Chien	22	18.3	19.7	32.8	48.4	60.4	69.4	73.8	71.1	62.8	51.9	36.4	23.6	47.5
Prentice	11	11.3	11.5	24.2	40.9	52.6	62.1	65.6	64.5	56.8	44.7	31.7	15.5	40.1
Stevens Point	17	14.8	13.9	28.4	44.6	56.2	65.5	69.6	67.5	60.4	47.9	32.7	19.0	43.4
Valley Junction	18	15.1	15.1	29.2	44.7	56.3	65.3	69.4	67.1	60.1	48.3	33.0	19.2	43.6
Viroqua	19	15.7	16.8	30.4	45.4	56.8	65.7	70.4	68.7	61.1	49.0	33.0	20.9	44.5
Wausau	14	14.8	14.9	27.6	43.0	55.4	64.6	68.3	66.5	59.2	46.9	32.3	18.3	42.6

HIGHEST TEMPERATURES BY MONTHS (Fahrenheit).

Dodgeville	10	54	50	73	86	90	98	107	96	94	86	71	52	107
Dubuque ....Iowa.	36	63	67	86	88	94	99	106	100	97	89	74	67	106
Grand Rapids	11	53	60	75	83	96	97	99	98	97	83	73	54	99
Hancock	18	53	53	74	86	93	99	100	100	94	84	68	50	100
Hatfield	12	53	56	76	89	93	100	100	98	98	87	74	62	100
Hillsboro	19	53	62	78	86	91	100	106	104	96	87	70	54	106
Koepenick	18	58	60	75	86	96	96	98	95	94	92	80	54	98
La Crosse	37	57	65	83	93	96	98	104	101	97	88	72	61	104
Lancaster	18	60	58	82	88	93	98	107	100	95	86	70	53	107
Mauston	14	55	55	77	87	90	100	106	96	94	84	77	60	106
Meadow Valley	19	53	60	77	89	94	100	104	97	97	89	73	56	104
Medford	19	52	60	70	85	95	103	102	100	99	87	71	53	103
Neillsville	21	54	54	72	88	94	102	106	98	96	84	72	52	106
Portage	14	52	53	75	89	95	102	106	97	92	85	71	53	106
Prairie du Chien	22	66	61	89	94	97	102	110	106	100	89	84	60	110
Prentice	11	52	47	78	82	88	102	96	96	92	87	69	55	102
Stevens Point	17	52	59	77	87	95	100	101	97	97	94	78	51	101
Valley Junction	18	59	61	77	88	95	97	99	100	96	87	74	54	100
Viroqua	19	55	56	75	87	92	97	103	100	95	86	70	53	103
Wausau	14	50	56	73	82	93	96	97	94	94	81	67	51	97

LOWEST TEMPERATURES BY MONTHS (Fahrenheit).

Dodgeville	10	−29	−31	−10	10	26	29	41	34	18	13	− 9	−22	−31
Dubuque ....Iowa.	36	−32	−31	−12	14	26	39	40	41	24	15	−12	−24	−32
Grand Rapids	11	−38	−34	−14	9	22	32	39	35	24	7	−14	−32	−38
Hancock	18	−32	−35	− 8	7	21	31	44	38	20	14	−10	−25	−35
Hatfield	12	−35	−38	−17	9	20	28	31	30	21	4	−16	−26	−38
Hillsboro	19	−39	−40	−17	8	21	25	35	30	16	4	−11	−30	−40
Koepenick	18	−37	−36	−27	−5	10	26	33	29	20	5	−12	−30	−37
La Crosse	37	−43	−34	−23	10	27	48	46	39	24	6	−21	−26	−43
Lancaster	18	−28	−30	−10	11	23	35	42	38	20	14	− 7	−22	−30
Mauston	14	−40	−50	−15	5	20	26	39	29	14	10	−13	−25	−50
Meadow Valley	19	−34	−44	−16	7	17	28	37	31	14	9	−14	−29	−44
Medford	19	−38	−45	−22	0	16	25	34	31	11	6	−18	−28	−45
Neillsville	21	−40	−46	−34	8	22	26	34	32	14	8	−14	−36	−46
Portage	14	−28	−27	− 7	12	25	31	44	43	25	13	−10	−30	−30
Prairie du Chien	22	−30	−30	−12	13	23	34	38	37	20	10	−10	−20	−30
Prentice	11	−42	−44	−27	−1	15	28	31	29	20	8	−10	−32	−44
Stevens Point	17	−37	−48	−17	1	18	26	38	34	13	9	−17	−28	−48
Valley Junction	18	−37	−44	−15	2	19	26	37	31	14	1	−17	−29	−44
Viroqua	19	−31	−31	−10	13	23	30	42	37	21	12	−10	−27	−31
Wausau	14	−34	−40	−17	4	20	29	37	35	18	10	−10	−27	−40

AVERAGE NO. OF DAYS WITH 0.01 INCH OR MORE OF PRECIPITATION.

Stations.	Length record, years.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Dodgeville	10	4	4	6	6	9	9	8	7	7	6	7	5	78
Dubuque ....Iowa.	36	9	9	10	10	13	11	10	9	10	8	8	9	116
Grand Rapids	11	5	4	6	8	11	10	8	8	8	6	5	5	84
Hancock	18	6	5	7	8	10	9	9	8	8	7	6	6	89
Hatfield	12	4	3	5	6	9	8	7	7	7	5	5	3	69
Hillsboro	19	5	4	6	7	10	9	7	6	7	5	5	5	76
Koepenick	18	7	6	8	9	10	10	10	8	9	9	7	6	99
La Crosse	37	10	8	9	10	12	12	10	9	10	9	8	10	117
Lancaster	18	5	5	7	8	10	8	8	7	8	6	6	5	83
Mauston	14	5	4	8	8	11	10	9	8	8	6	6	5	88
Meadow Valley	10	5	4	6	8	10	10	9	8	8	7	6	5	86
Medford	19	4	3	5	5	8	8	7	7	6	6	4	3	66
Neillsville	21	3	3	5	5	7	7	5	5	5	4	4	3	56
Portage	14	4	4	6	8	9	10	9	8	8	6	5	4	81
Prairie du Chien	22	5	5	7	8	11	10	8	8	8	6	6	6	88
Prentice	11	6	5	6	7	8	10	9	8	8	7	6	6	86
Stevens Point	17	5	4	6	7	9	8	8	7	7	6	6	5	78
Valley Junction	18	6	5	8	9	10	10	9	7	7	6	6	6	89
Viroqua	19	7	6	9	9	11	10	9	9	9	7	7	7	100
Wausau	14	7	6	7	9	11	11	10	10	9	9	6	7	102

DIRECTION OF PREVAILING WIND.

Dubuque..........Iowa.	36	nw	nw	nw	nw	s	se	nw	nw	s	nw	nw	nw	nw
La Crosse	37	s	s	n	s	s	s	s	s	s	s	s	s	s

AVERAGE HOURLY WIND VELOCITY (Miles).

Dubuque..........Iowa.	34	5.8	6.3	7.2	7.5	6.3	5.5	4.8	4.6	5.2	5.5	5.9	5.7	5.9
La Crosse	37	7.0	7.5	8.0	8.4	7.5	6.7	6.0	5.7	6.8	7.4	7.8	7.1	7.2

FROST DATA.

Stations.	Length of record, years.	Average date of—	
		First killing frost in autumn.	Last killing frost in spring.
Dodgeville	10	October 8	April 25
Dubuque ....Iowa.	36	do 12	do 21
Grand Rapids	11	September 26	May 23
Hancock	18	do 28	do 18
Hatfield	12	do 22	do 20
Hillsboro	19	do 24	do 13
Koepenick	18	do 17	June 3
La Crosse	37	October 10	April 30
Lancaster	18	do 10	do 25
Mauston	14	September 24	May 17
Meadow Valley	19	do 23	do 21
Medford	19	do 12	June 3
Neillsville	21	do 20	May 23
Portage	14	October 4	do 3
Prairie du Chien	22	do 12	April 27
Prentice	11	September 9	June 6
Stevens Point	17	do 26	May 25
Valley Junction	18	do 24	do 16
Viroqua	19	October 5	April 30
Wausau	14	September 22	May 30

HYDROGRAPHIC DATA FOR SECTION 59.

Summary of Climatological Data for the United States.

Compiled from the records of the United States Geological Survey,
By R. H. Bolster, Assistant Engineer.

PRELIMINARY NOTE: Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, U. S. Geological Survey, Washington, D. C.

This section, lying in the central portion of the State of Wisconsin, comprises the whole of the Wisconsin River drainage basin and portions of the Great Lakes, and Rock River drainages.

Because of the great length of the Wisconsin River, its great drainage area, and its central location, this river is preeminently the main river of the State

Like the Flambeau, the headwaters of the Wisconsin River are found in an intricate network of lakes and swamps occupying the flat plateau region near the northern boundary. Its extreme source is found in Lake Vieux Desert, a body of water of about 10 square miles on the line separating the northern peninsula of Michigan from Wisconsin, at about 1,650 feet above sea level. The general course of the river for the first 300 miles is south. At a point near Portage it turns abruptly westward, and in the next 100 miles flows nearly west, joining the Mississippi River at Prairie du Chien, only 40 miles from the southern boundary of the State.

Because of its long traverse from the extreme northern to the extreme southwestern part of Wisconsin, the topography of the basin includes nearly every form found in the State. Like the upper Chippewa Valley, the northern half is a densely wooded region of hard and soft timber except where cleared for farming. The woods gradually give way to a semi-prairie region with a gently undulating surface, but with occasional decided ridges both of rock and of glacial origin. A very striking surface feature toward the southern part is found in the "Baraboo quartzite" ranges, which have elevations of from 400 to 700 feet above the surrounding country. These ranges comprise two main ridges from 4 to 6 miles apart, extending nearly east and west in the section of country west of Portage for about 25 miles, but uniting and ending abruptly on the west side of the valley near Portage. The angle of the river at this point seems due to its effort to secure a passage around this rock barrier. The drainage basin includes 12,280 square miles, with an average width of 50 miles and a length of 225 miles.

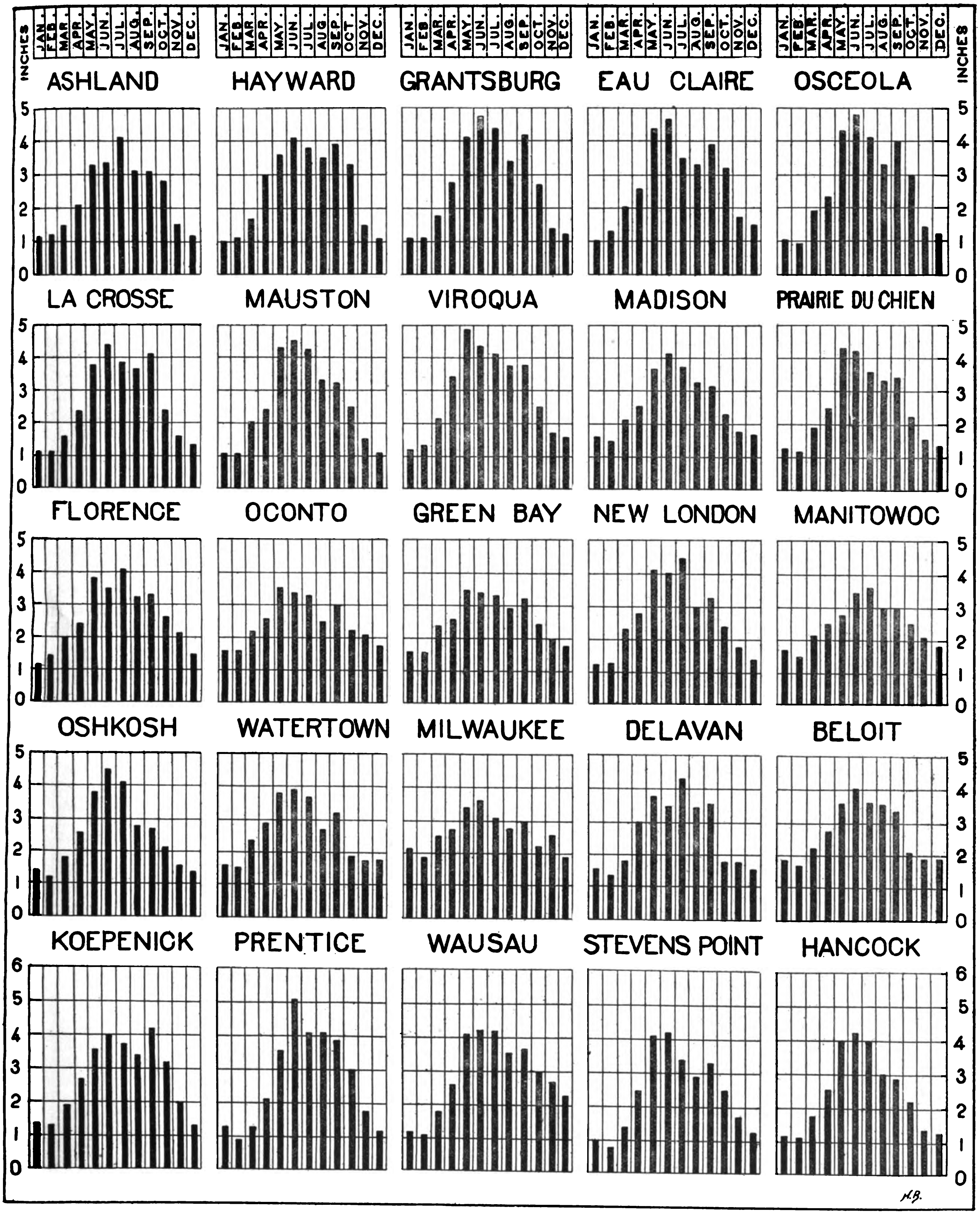
The opportunities for increasing the low-water flow of the Wisconsin River by the construction of dams near the headwaters for the use of reservoirs is especially good. The ownership of the lands to be flooded is in the hands of a comparatively few corporations and the beginning has already been made. At many, if not at most, of the large lakes near the headwaters, logging companies have long maintained dams which some day will serve the double purpose of reservoirs and sources of power. Eight reservoir sites have been certified by United States engineers for the purpose of using increased flow as an aid to navigation on the Mississippi River. Two of these dams have been constructed by private enterprise for power purposes and others have been constructed with reduced heads. It is proposed to fill the reservoirs during the spring freshets and then allow the water to escape at time of low water. The United States engineers estimated that these reservoirs would maintain a flow of 3,000 second-feet for three months of the year. Such a flow would entirely double the present low-water flow of the Wisconsin River and its resulting water power. Incidentally, the use of such reservoirs would to a great extent serve to reduce the dangers of floods both to dams and to overflowed lands.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: First, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month which has been observed during the entire period covered by the table. The fourth column is computed from the third column of mean monthly discharge and gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 is computed from the third column also and gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

MONTHLY DISCHARGE OF WISCONSIN RIVER, AT NECEDAH, WIS.
For April-November, 1903-1907.
[Drainage area, 5,800 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
April	35,400	6,020	15,100	2.60	2.90
May	28,700	6,300	12,400	2.14	2.47
June	93,300	3,540	11,800	2.03	2.26
July	21,200	2,810	7,290	1.26	1.45
August	12,400	2,200	5,010	0.864	1.00
September	34,800	1,800	7,580	1.31	1.46
October	33,800	2,600	7,830	1.35	1.56
November	15,100	2,400	5,030	0.867	0.97

Note: Descriptive matter and portions of the discharge data compiled from "Water Powers of Wisconsin," Wisconsin Geological and Natural History Survey, by Leonard S. Smith.



DIAGRAMS SHOWING THE COMPARATIVE MONTHLY DISTRIBUTION OF PRECIPITATION.

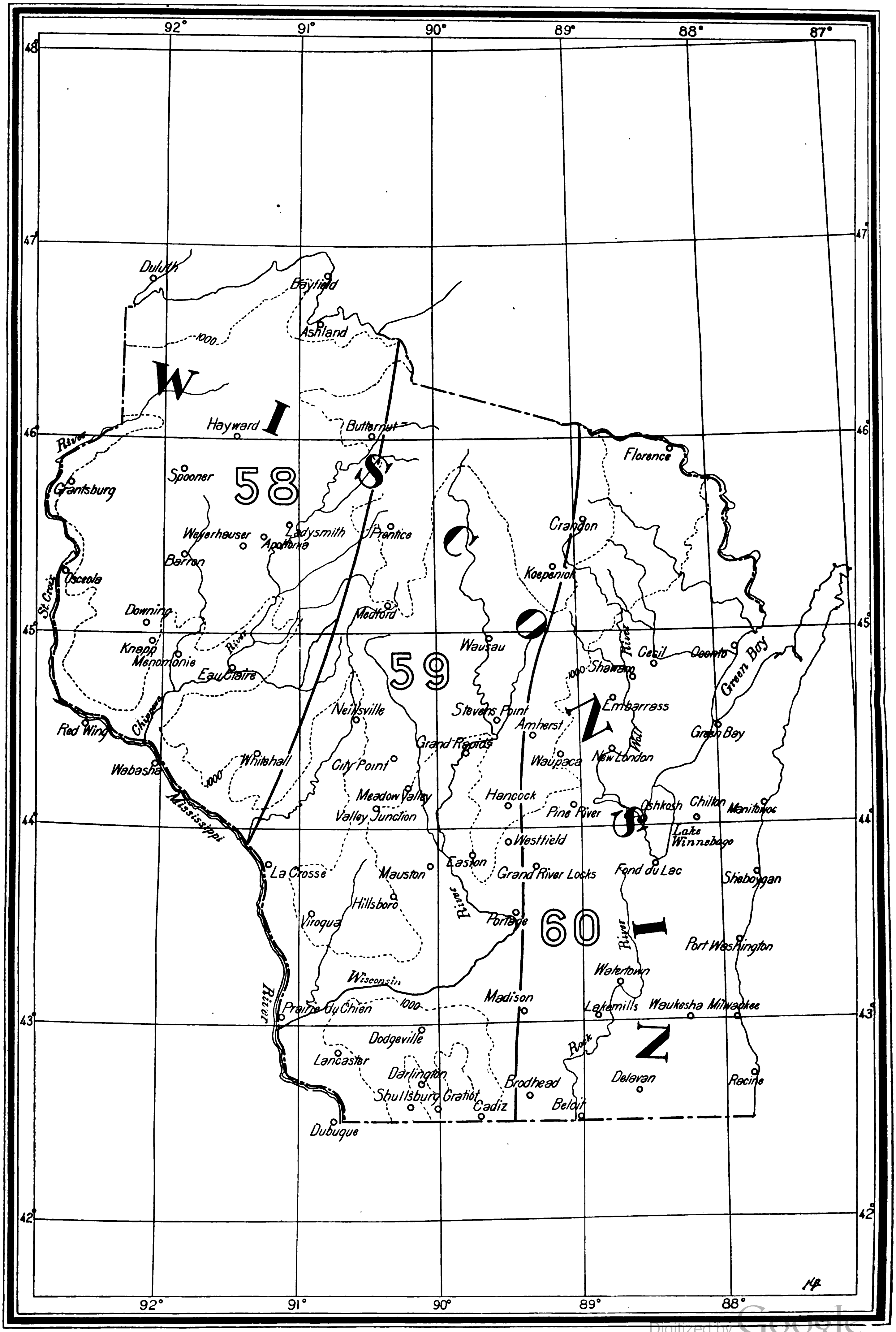


CHART SHOWING THE PRINCIPAL POINTS OF OBSERVATION, THE DRAINAGE BASINS, AND THE GENERAL ELEVATION OF WISCONSIN.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

BY THE CLIMATOLOGICAL DIVISION, P. C. DAY, ACTING CHIEF OF DIVISION.

SECTION 60.—EASTERN WISCONSIN.

Section 60 covers about one-third of the State of Wisconsin, extending from upper Michigan on the north to the Illinois line on the south, and is bounded on the east by Lake Michigan.

Its drainage is practically all into Lake Michigan, a large portion of it being through Green Bay.

Lake Winnebago, with an area of about 200 square miles, lies near the center of the section and forms an immense natural reservoir, into which flows the upper Fox River from the lowlands of the south; the latter receiving also near its mouth the Wolf and Embarrass rivers, coming down from the high plateau of the north. Lake Winnebago has its outlet through the lower Fox River into the southern end of Green Bay.

The southwestern portion of the section is drained by Rock River, which rises about 25 miles south of Lake Winnebago and pursues a southerly course until after crossing the Illinois line, when it turns to the southwest and finds an outlet through the Mississippi River. This is the only stream in this section whose waters do not eventually reach Lake Michigan.

The northwestern portion of this section is occupied by a high plateau dotted with numerous small lakes and swamps. It is here that the most important streams have their sources, some flowing south to Lake Winnebago, thence to Green Bay, and others following a southeasterly course and discharging into the northern portion of Green Bay.

The annual precipitation for the section ranges from about 28 inches in the Lake Winnebago basin to a little more than 34 inches in the high lands in the extreme northwest portion. May and June give the heaviest rainfall for the year, each month averaging nearly four inches; July, August and September also give good rains, each generally averaging more than three inches; while the winter months, December, January and February, show but little more than one inch each of precipitation.

The most of the precipitation in winter is in the form of snow, though winter rains are not unusual. This is especially true along the shore of Lake Michigan, where the precipitation is sometimes in the form of rain when a snowstorm is in progress over the interior.

The annual rainfall is rather constant, though the variation appears to be somewhat greater in this section than in other portions of the State. It seldom varies more than eight inches from the normal.

Thunderstorms are of frequent occurrence during the summer months and are sometimes quite heavy, being accompanied by hail and high wind. Tornadoes sometimes occur, but not often. The records show only two that caused extensive damage to property or loss of life. One at Racine on May 18, 1883, was very destructive, killing 25 persons and injuring many others, besides destroying a great amount of property; the other at Pensaukee, in Oconto County, July 7, 1877, killing eight persons and destroying considerable property.

The mean annual temperature for the section ranges from 40° in the extreme northwest to 47° in the extreme southeast.

The highest temperatures ever recorded in this section range between 100° and 105° in the central and southern portions, except close to the lake shore where it is a little cooler, and from 95° to 100° in the northern portion. The lowest points ever reached in the winter are from 35° to 45° below zero in the northern and central portions, except along the lake shore where the weather is not so cold, and from 25° to 35° below zero in the southern portion and in the vicinity of the lake in the northern portion. These extreme temperatures occur only at rare intervals.

The effect of the proximity of Lake Michigan and Green Bay on the temperature of the territory near the lake is very marked, giving decidedly cooler summers and much warmer winters. This effect decreases as one moves inland and becomes inappreciable at a distance of 30 miles from the lake.

In the extreme northwestern portion frosts sometimes occur as late as June 15th and as early as August 12th, but crops are generally considered safe in the northern portion after May 20th and until September 10th. In the southern portion and along the lake shore the season is considerably longer. Kewaunee and Door counties, covering the peninsula lying between Green Bay and Lake Michigan, are quite free from damage by early or late frosts.

The tables and charts which follow give in detail valuable climatic data for those interested in the subject.

H. B. HERSEY,
Inspector and Section Director.

PRECIPITATION AT STATIONS IN EASTERN WISCONSIN.

[Boldface figures indicate amounts estimated from nearby stations]

AMHERST, PORTAGE COUNTY, WIS.

(Elevation, 1,200 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	1.80	2.48	3.00	2.55	0.52	2.58	2.61	2.26	1.37	1.62	1.54	3.35	25.68
1892...	1.15	0.85	0.90	1.97	7.15	7.35	3.30	2.33	1.74	2.43	2.27	0.85	32.29
1893...	1.75	3.22	1.95	5.30	3.14	2.65	2.66	1.16	3.06	2.51	1.66	3.34	32.40
1894...	1.22	0.60	2.08	3.21	4.70	1.69	1.45	1.44	2.71	2.95	3.05	1.35	26.45
1895...	1.97	0.40	2.22	1.17	2.26	1.32	0.96	2.62	3.60	0.50	1.41	1.71	18.14
1896...	1.01	0.60	1.15	4.70	7.65	6.20	2.33	2.73	4.09	2.33	1.50	0.80	35.09
1897...	1.61	2.20	2.02	2.24	2.70	9.86	2.83	1.90	1.96	0.61	1.40	0.82	30.15
1898...	1.00	1.17	2.60	2.75	2.40	2.40	2.61	4.20	3.23	3.85	1.70	0.81	28.72
1899...	1.30	1.10	2.50	2.76	3.05	6.80	5.99	1.09	0.68	1.70	1.20	1.40	30.17
1900...	0.60	1.90	1.50	2.95	2.11	1.18	5.68	4.45	7.05	8.11	0.75	1.35	37.63
1901...	0.95	0.90	2.82	1.06	**2.21**	3.36	4.85	**1.54**	**3.86**	4.88	0.73	0.53	27.68
1902...	0.55	1.90	1.00	1.18	5.75	3.65	5.92	3.70	3.30	1.32	1.40	2.47	32.14
1903...	0.35	0.96	2.19	3.40	5.03	**2.88**	**4.19**	6.88	3.85	2.11	1.15	1.25	33.68
1904...	0.40	1.20	1.04	2.65	7.15	3.28	3.57	2.23	2.63	3.82	0.45	1.50	30.22
1905...	1.30	1.70	2.32	1.31	5.05	9.70	4.82	6.25	3.36	2.24	2.35	1.60	42.00
1906...	2.38	0.60	2.68	1.69	4.29	4.36	2.40	5.83	5.47	3.08	**4.78**	2.56	40.12
1907...	2.10	0.30	0.79	3.00	3.40	4.30	**5.00**	**4.97**	**3.80**	0.21	1.60	1.95	30.92
1908...	1.35	0.90	1.30	3.10	....	....	....	....	....	....	....	....	.....
Means	1.27	1.28	1.78	2.61	4.07	4.29	3.62	3.27	3.25	2.60	1.70	0.63	31.37

APPLETON, OUTAGAMIE COUNTY, WIS.

(Elevation, 795 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	....	1.88	2.22	1.92	0.01	5.20	5.20	1.45	0.71	1.53	2.06	3.57	.....
1892...	2.41	1.19	0.84	1.67	5.88	....	....	....	....	1.05	1.86	1.28	.....
1893...	1.19	1.41	1.38	5.09	2.05	....	....	....	....	....	....	....	.....
1901...	....	....	....	0.20	2.17	3.73	5.27	1.18	3.09	2.26	0.44	0.78	.....
1902...	0.55	1.54	1.72	1.58	5.20	3.27	6.37	1.99	1.36	1.58	1.44	2.81	29.41
1903...	1.29	2.27	3.64	2.31	3.56	1.24	6.75	....	3.47	2.85	1.24	0.46	.....
1904...	0.57	1.48	3.49	2.42	5.96	1.23	7.06	1.08	3.65	3.48	0.06	1.74	32.22
1905...	1.31	0.93	1.96	1.31	4.35	6.38	6.23	5.02	3.80	1.35	1.58	1.18	35.40
1906...	1.77	0.59	1.86	2.01	1.87	5.36	....	....	3.73	1.90	4.19	1.64	.....
1907...	2.05	0.06	1.98	3.74	3.46	2.66	4.03	4.20	3.45	0.49	1.53	1.54	29.19
1908...	0.87	2.30	2.58	2.99	5.39	3.10	2.37	1.64	1.82	1.30	1.89	2.18	28.43
1909...	1.05	1.64	1.78	4.77	2.48	3.02	1.40	2.24	2.09	0.84	2.98	2.85	27.14
Means	1.92	1.36	2.13	2.50	3.53	3.52	4.96	2.35	2.72	1.75	1.75	1.82	30.31

BELOIT, ROCK COUNTY, WIS.

(Elevation, 750 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1866...	1.00	0.70	0.90	4.15	0.55	2.51	3.53	8.89	1.53	1.51	2.15	1.60	29.02
1867...	2.67	3.80	0.70	0.00	3.85	2.74	2.69	2.50	....	0.82	1.24	3.00	24.01
1868...	1.06	0.42	2.79	3.63	1.93	2.72	6.66	1.26	4.74	1.06	4.26	1.28	31.81
1869...	2.54	1.13	0.19	1.50	4.70	5.63	1.70	4.09	4.48	0.40	1.70	2.35	30.41
1870...	0.86	1.12	3.36	0.32	....	0.54	2.72	3.15	3.89	2.13	0.88	1.20	20.17
1871...	2.79	1.92	2.13	2.22	1.97	5.35	2.08	2.89	0.15	2.01	2.83	1.22	26.56
1872...	0.45	0.31	2.08	2.55	1.25	0.00	1.87	3.57	6.32	0.49	1.37	1.51	21.77
1873...	2.98	0.46	1.59	3.01	5.55	3.30	3.55	3.90	1.75	2.00	1.40	2.75	32.87
1874...	4.50	1.37	1.73	0.98	2.25	5.07	1.05	1.49	5.12	1.85	2.40	0.70	28.51
1875...	1.39	2.38	1.87	3.15	3.05	5.55	5.20	3.70	7.10	2.10	0.00	1.95	37.44
1876...	3.05	3.50	3.40	3.20	4.45	4.20	6.90	1.60	4.27	1.35	3.70	0.85	40.47
1877...	2.60	0.00	5.60	3.80	1.55	4.73	....	6.95	0.65	....	3.35	3.88	33.11
1878...	0.95	2.15	4.05	3.30	3.90	4.05	6.25	4.06	3.45	5.33	1.00	2.65	41.14
1879...	0.40	1.60	1.50	2.35	5.95	5.50	4.95	3.25	1.55	1.95	4.50	2.20	35.70
1880...	2.40	1.86	1.70	3.70	2.70	4.60	3.80	6.90	6.82	0.80	1.45	0.29	37.02
1881...	2.38	6.80	4.44	1.50	3.25	5.20	6.20	0.84	4.94	5.95	2.45	2.69	46.64
1882...	0.90	2.51	4.10	3.38	3.55	6.51	3.42	3.49	2.30	3.21	2.44	2.21	38.02
1883...	1.52	3.54	0.54	1.47	6.42	4.52	5.50	2.36	1.35	4.25	2.68	1.53	35.68
1884...	0.64	1.68	1.52	2.85	2.83	5.15	1.27	2.94	2.22	3.96	1.71	4.24	31.01
1885...	1.96	1.21	0.21	3.75	1.54	5.37	2.99	9.27	4.56	3.20	0.67	2.40	37.13
1886...	4.02	1.28	4.60	3.53	2.55	2.96	1.19	5.04	1.78	2.60	1.15	1.22	31.92
1887...	2.60	5.16	1.36	1.08	0.99	0.41	1.61	5.79	5.17	2.00	1.42	3.86	31.54
1888...	1.16	1.12	2.83	2.76	5.60	3.84	4.55	3.34	1.01	1.38	2.08	2.32	31.99
1889...	1.82	2.05	0.48	3.85	5.27	3.61	3.73	0.75	2.44	0.24	1.46	2.27	27.97
1890...	2.99	2.39	2.21	2.77	4.72	6.66	0.28	3.98	0.61	4.56	2.16	0.55	33.88
1891...	2.47	1.20	2.64	3.81	4.16	5.31	3.01	0.85	0.03	2.10	3.00	2.12	30.70
1892...	3.22	1.49	2.10	4.66	7.65	8.61	3.75	5.87	2.57	0.57	2.03	3.80	46.32
1893...	2.18	2.10	2.81	5.32	2.11	4.34	3.74	1.41	2.38	3.00	1.96	1.18	32.53
1894...	1.82	0.98	2.94	3.49	3.16	2.01	1.23	1.12	9.03	1.82	2.60	0.73	31.53
1895...	1.83	0.86	0.35	1.31	2.30	2.10	2.90	3.31	1.58	0.20	2.11	1.57	20.42
1896...	0.41	0.85	1.49	2.25	5.02	3.15	5.77	2.64	7.59	0.07	1.53	0.49	31.86
1897...	1.30	0.47	2.05	4.72	0.70	5.77	2.42	3.02	1.26	0.65	1.05	1.25	24.66
1898...	2.51	1.29	4.50	2.65	3.15	9.70	4.79	5.13	2.31	2.44	1.60	0.23	40.60
1899...	0.22	0.70	0.28	2.65	6.15	2.53	4.02	2.49	3.20	1.50	2.26	2.03	28.03
1900...	2.56	2.80	1.05	2.10	1.64	2.43	6.14	5.11	2.70	4.57	1.84	0.73	33.97
1901...	1.44	1.69	2.75	0.45	2.43	1.54	2.13	0.76	2.03	0.88	1.17	1.59	18.86
1902...	0.65	1.30	1.49	1.71	7.39	6.57	9.04	0.83	5.17	1.69	1.99	2.04	39.87
1903...	0.57	0.66	2.74	3.05	3.53	0.50	5.73	4.85	4.91	3.11	1.14	2.17	32.96
1904...	1.83	0.83	3.31	1.89	2.88	1.06	1.99	3.74	5.95	2.57	0.10	2.51	28.66
1905...	0.94	1.37	2.79	1.35	4.21	....	....	....	....	3.20	1.98	1.48	.....
1906...	2.73	1.08	1.47	1.42	2.64	3.49	2.33	5.54	3.19	2.36	2.06	0.95	29.26
1907...	2.77	0.54	1.59	2.97	3.73	5.01	5.55	....	6.20	0.88	0.10	....	.....
1908...	1.19	2.10	3.58	4.46	6.33	4.27	4.40	0.58	0.91	1.26	2.70	1.30	33.08
1909...	2.26	2.43	1.33	6.67	3.26	3.96	0.87	8.51	3.09	0.65	3.51	4.47	41.01
Means	1.88	1.71	2.21	2.77	3.56	4.05	3.65	3.61	3.39	2.08	1.91	1.89	32.71

BRODHEAD, GREEN COUNTY, WIS.

(Elevation, 812 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1898...	1.96	2.04	3.70	2.59	2.29	7.30	4.22	2.62	2.44	3.90	1.17	0.37	34.60
1899...	0.15	0.70	1.41	3.99	6.16	2.02	4.40	2.59	3.34	2.17	1.47	1.56	29.96
1900...	1.45	3.21	2.30	2.91	1.08	2.66	7.14	6.64	2.40	3.53	1.59	0.73	35.94
1901...	1.47	1.30	2.83	0.75	2.89	1.43	3.83	0.46	3.30	1.57	0.83	1.16	21.82
1902...	0.60	1.60	1.44	0.90	7.45	5.90	7.58	0.64	3.91	1.44	2.36	2.81	36.63
1903...	0.20	1.93	3.58	2.70	4.37	1.28	5.59	5.75	3.97	1.96	1.18	1.91	34.42
1904...	0.70	1.20	3.70	2.03	2.96	0.85	3.12	4.72	5.22	2.34	0.14	3.00	29.98
1905...	0.80	1.90	2.49	....	....	....	....	....	....	....	....	....	.....
1906...	2.08	1.50	2.35	1.42	3.24	5.62	1.18	8.55	3.65	2.58	3.12	2.04	34.33
1907...	3.13	0.40	2.13	3.61	2.64	4.71	9.37	4.21	7.83	1.25	1.38	1.23	41.89
1908...	0.67	1.58	3.38	3.58	5.64	5.34	4.25	2.06	1.57	1.37	2.85	1.20	33.49
1909...	2.93	1.65	1.02	8.32	3.39	4.68	0.85	8.15	2.32	0.68	3.55	3.71	41.25
Means	1.34	1.58	2.53	2.98	3.83	3.53	4.68	4.22	3.53	2.07	1.81	1.79	33.99

CHILTON, CALUMET COUNTY, WIS.

(Elevation, 860 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1894...	2.35	0.77	2.48	2.70	5.63	5.42	0.29	0.37	2.65	3.82	2.16	1.15	29.79
1895...	3.47	1.55	0.44	1.51	3.52	1.13	1.79	2.55	2.11	0.60	1.35	1.50	21.52
1896...	0.99	0.33	1.51	3.97	3.50	3.35	3.80	2.37	5.05	1.32	0.99	0.05	27.23
1897...	0.82	0.68	1.40	2.98	1.47	4.69	2.03	0.97	3.90	1.65	1.86	1.87	24.32
1898...	0.63	**0.91**	1.98	2.31	3.70	2.02	**3.85**	3.78	1.85	2.12	0.38	0.30	23.23
1899...	0.90	0.45	1.20	1.90	3.40	5.72	2.64	2.22	2.85	0.40	0.30	0.50	22.48
1900...	0.20	0.50	....	....	....	....	....	....	2.80	6.10	....	....	.....
1901...	....	....	....	0.20	1.40	5.76	4.74	0.96	3.05	2.25	0.66	0.80	.....
1902...	0.37	1.89	2.23	1.31	5.22	3.44	7.00	1.26	2.78	2.37	1.23	3.18	32.28
1903...	1.18	1.43	3.31	3.37	3.66	2.55	2.79	7.30	4.10	3.43	1.46	0.89	35.47
1904...	1.09	2.19	3.38	2.66	7.10	1.52	3.76	1.17	5.64	4.25	0.20	2.78	35.74
1905...	2.31	1.89	2.28	1.69	6.09	8.36	4.04	4.87	1.77	2.49	1.28	1.30	38.37
1906...	3.70	1.51	2.83	1.32	4.10	5.57	2.68	2.82	4.79	2.67	4.37	1.47	37.83
1907...	3.38	0.41	2.54	4.00	2.67	3.36	5.94	3.86	3.54	0.29	1.55	2.04	33.58
1908...	1.43	2.80	2.56	3.59	6.12	4.03	0.96	2.39	2.10	0.77	1.88	2.81	31.44
1909...	1.49	2.13	2.68	5.46	2.59	3.24	3.17	5.24	2.20	0.90	4.21	3.57	36.88
Means	1.62	1.30	2.20	2.60	4.01	4.01	3.26	2.81	3.20	2.21	1.59	1.62	30.43

CRANDON, FOREST COUNTY, WIS.

(Elevation, 1,060 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	....	....	....	1.61	0.36	1.03	2.11	6.86	3.31	....	....	0.57	.....
1892...	2.41	2.57	1.35	2.19	4.39	4.86	4.12	3.76	4.09	2.53	2.49	1.12	35.88
1893...	1.74	2.25	0.54	**3.50**	2.00	0.92	4.85	2.36	1.70	2.56	0.70	2.99	26.11
1894...	2.70	0.65	2.12	1.81	4.15	3.53	1.64	0.52	3.59	3.90	2.60	0.80	28.01
1895...	2.75	1.30	0.35	1.15	6.75	3.67	3.35	3.83	6.30	0.70	2.20	1.60	33.95
1896...	0.60	0.60	1.00	1.18	3.05	0.51	3.80	2.16	1.80	1.47	5.00	1.60	22.77
1897...	1.30	1.52	3.30	0.81	0.69	2.95	1.75	1.15	**2.00**	3.93	1.62	0.52	21.54
1898...	0.50	1.40	1.75	1.56	1.40	1.55	2.65	0.45	0.96	1.34	1.25	0.28	15.09
1899...	1.00	0.90	1.70	**4.00**	0.60	1.60	0.80	3.12	5.90	6.40	**6.50**	2.50	29.02
1900...	....	1.00	1.20	0.85	0.70	....	....	....	....	....	....	....	.....
1901...	....	....	....	0.90	1.85	5.56	9.26	2.45	3.74	1.47	1.26	0.77	.....
1902...	1.05	1.02	1.52	2.72	3.01	3.55	1.98	1.94	1.74	2.54	5.75	0.65	27.47
1903...	....	0.15	....	....	....	....	5.19	5.96	8.11	4.30	0.20	....	.....
1904...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1905...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1906...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1907...	....	....	....	....	1.93	1.70	2.83	1.91	3.84	0.69	0.20	0.07	.....
1908...	0.30	1.11	2.26	3.97	2.61	2.90	5.10	0.97	3.44	0.64	**1.50**	0.85	25.95
1909...	0.85	1.77	1.12	**3.00**	**2.50**	2.85	3.76	2.03	2.88	0.76	3.40	1.20	26.12
Means	1.38	1.25	1.52	2.09	2.40	2.66	3.55	2.60	3.56	2.37	2.05	1.11	26.54

At North Crandon, April, 1901, to November, 1908.

DELAVAN, WALWORTH COUNTY, WIS.

(Elevation, 920 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1886...	....	....	....	....	....	....	....	7.40	2.79	2.70	1.19	1.36	.....
1887...	4.05	5.34	1.55	0.88	3.11	0.51	3.83	3.63	4.29	2.47	1.21	4.60	35.77
1888...	1.22	0.87	1.70	2.41	4.39	3.94	2.25	2.25	0.69	1.79	2.01	2.56	26.08
1889...	2.07	2.23	1.36	2.53	5.25	3.21	....	....	....	0.14	1.60	2.09	.....
1890...	2.49	1.98	1.45	2.30	4.69	....	....	....	....	....	2.98	2.16	.....
1891...	1.29	0.69	1.19	3.05	2.55	....	....	....	....	....	3.15	2.24	.....
1892...	1.79	0.75	0.39	4.02	7.20	4.83	5.41	3.35	1.97	0.84	1.60	1.16	35.19
1893...	1.26	0.66	2.31	4.79	1.66	5.03	3.49	1.43	2.60	2.68	1.17	0.84	27.92
1894...	1.09	0.46	2.70	3.79	3.86	2.92	1.13	0.50	6.44	2.11	2.13	0.40	27.53
1895...	1.00	0.40	1.27	1.09	3.54	2.63	5.33	4.12	2.93	0.40	1.93	2.23	26.87
1896...	0.59	0.89	1.51	3.75	2.44	3.01	8.30	1.44	8.79	0.79	1.42	0.60	33.53
1897...	2.59	**1.00**	2.97	4.87	1.02	4.85	2.32	1.53	1.11	0.95	1.74	1.35	26.30
1898...	1.59	1.17	3.63	1.96	2.77	6.21	2.59	4.58	2.80	4.55	1.11	0.80	33.76
1899...	0.37	....	0.71	1.55	5.16	2.52	2.98	2.52	2.75	....	3.05	1.48	.....
1900...	2.34	1.23	0.74	1.18	0.71	2.05	....	2.75	2.47	3.28	0.73	0.07	.....
1901...	0.75	0.65	3.15	....	....	....	....	....	....	....	....	1.60	.....
1902...	....	....	1.48	1.27	7.29	5.02	12.19	0.57	4.36	1.26	....	....	.....
1903...	....	....	3.41	2.77	3.61	1.44	4.70	6.49	5.33	3.13	....	....	.....
1904...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1905...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1906...	....	....	....	....	....	....	....	....	....	....	....	....	.....
1907...	....	....	....	....	....	....	....	3.33	4.60	0.82	1.00	1.23	.....
1908...	0.80	1.75	2.55	3.75	6.22	3.67	3.17	1.97	0.84	1.08	2.22	0.94	28.96
1909...	1.83	1.54	0.73	7.60	3.42	3.50	1.94	9.80	3.58	1.05	2.95	3.45	41.39
Means	1.60	1.35	1.85	3.02	3.83	3.46	4.26	3.39	3.41	1.77	1.85	1.64	31.43

EMBARRASS, WAUPACA COUNTY, WIS.
(Elevation, 795 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1864...	1.84	1.10	1.21	1.70	1.58	1.82	3.35	3.41	4.36	2.09	4.16	2.25	28.87
1865...	1.00	1.15	2.67	1.25	2.85	5.90	7.80	2.84	4.27	3.28	0.84	2.45	36.30
1866...	4.00	1.42	3.21	2.80	1.69	4.60	3.24	5.34	1.21	3.17	3.07	1.74	35.49
1867...	2.39	2.52	2.45	2.41	2.25	3.70	3.56	1.64	2.08	1.60	2.00	2.40	29.00
1868...	3.20	3.40	3.61	3.00	1.75	3.75	3.59	3.73	5.06	2.71	3.53	1.45	38.77
1869...	1.88	2.85	1.02	1.15	2.90	8.61	3.73	6.03	3.88	0.87	2.73	3.65	39.30
1870...	1.67	1.35	3.37	0.81	4.52	3.25	8.53	9.86	3.35	1.59	2.15	1.32	41.77
1871...	1.45	1.50	5.46	3.97	4.04	4.47	3.00	4.70	0.37	3.84	2.65	2.34	37.79
1872...	1.41	0.91	1.52	1.72	5.63	3.32	5.15	2.15	4.25	0.40	1.37	0.70	28.53
1873...	2.30	1.10	2.75	2.30	4.10	7.40	4.10	0.40	3.80	1.80	3.20	1.70	34.95
1874...	1.30	1.70	1.95	1.25	4.90	1.75	2.20	3.70	4.90	3.03	2.70	1.59	30.97
1875...	2.50	3.00	3.10	1.30	2.35	6.80	2.10	7.70	5.95	3.55	1.80	3.55	43.70
1876...	3.75	1.95	3.48	3.80	6.10	8.50	3.65	7.75	3.95	1.60	2.92	1.30	48.75
1877...	0.95	0.35	1.75	2.75	0.75	6.25	0.85	5.30	2.80	7.40	2.50	2.60	34.25
1878...	0.75	1.60	1.75	5.15	2.75	4.30	5.20	2.75	5.35	6.40	1.50	0.45	37.35
1879...	0.55	2.60	0.95	1.70	4.80	7.30	5.20	2.60	3.00	2.60	5.55	4.64	41.49
1880...	4.05	1.40	3.65	5.20	3.45	11.40	4.05	5.90	2.75	2.45	2.95	2.10	49.95
1881...	2.25	2.75	2.10	1.25	8.00	5.90	2.55	7.85	11.60	8.75	3.71	0.70	57.41
1882...	1.70	3.05	3.80	2.95	4.40	6.40	5.05	6.15	2.33	3.90	4.95	3.65	48.93
1883...	3.60	2.10	0.55	4.05	4.50	5.65	7.80	3.90	2.95	3.40	2.50	1.20	42.20
1884...	1.61	3.90	1.75	3.40	3.75	8.35	6.25	7.70	9.40	7.85	2.60	5.51	62.07
1885...	2.35	0.80	1.40	2.65	5.35	3.05	10.45	5.15	2.05	2.40	2.65	3.75	42.65
1886...	4.35	2.25	3.95	2.55	2.05	4.50	2.35	7.00	5.20	5.85	3.65	1.70	45.40
1887...	2.05	4.70	1.00	2.70	2.50	4.50	4.40	4.75	5.30	4.50	1.35	5.80	43.55
1888...	3.55	2.10	3.55	3.25	6.30	3.25	3.30	4.35	6.15	2.20	2.05	3.20	43.85
1889...	3.50	3.45	0.90	1.20	4.20	3.50	4.70	3.00	2.75	0.40	2.35	3.80	33.75
1890...	3.75	3.10	2.00	2.70	4.40	6.60	5.80	7.05	3.40	2.35	1.85	1.05	44.05
1891...	2.50	4.05	5.05	2.65	0.25	4.40	4.55	5.30	1.85	3.15	2.40	5.15	41.29
1892...	2.30	3.15	2.00	2.50	9.65	7.20	4.05	3.55	3.00	3.50	2.90	1.17	44.97
Means	2.38	2.23	2.48	2.56	3.89	5.41	4.52	4.88	4.05	3.33	2.73	2.51	40.97

FLORENCE, FLORENCE COUNTY, WIS.
(Elevation, 1,298 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	....	....	....	....	....	1.05	2.39	4.40	1.37	1.65	0.72	3.91	.....
1892...	1.39	2.84	1.28	2.20	4.05	3.65	4.75	4.91	1.35	2.55	2.39	0.86	32.22
1893...	1.07	2.48	3.24	3.28	3.88	1.57	4.29	1.94	1.62	4.05	1.54	3.04	32.00
1894...	1.50	0.58	1.37	2.74	4.69	5.42	1.05	0.75	3.74	2.58	2.74	0.40	27.56
1895...	2.19	0.56	0.30	0.95	6.25	4.03	1.81	2.19	5.85	0.26	0.99	1.91	27.29
1896...	0.92	0.17	1.18	3.81	3.87	1.83	1.91	4.92	1.89	2.94	4.66	1.37	29.47
1897...	1.72	1.15	....	....	....	5.36	4.65	1.30	1.42	3.28	1.71	0.35	.....
1898...	0.30	1.38	1.40	1.56	3.34	3.77	3.71	5.72	2.48	2.56	1.12	0.15	27.49
1899...	1.35	0.35	3.66	4.19	4.41	4.26	2.41	2.82	2.92	4.30	T.	1.96	32.63
1900...	0.50	1.60	1.50	3.84	1.70	3.58	5.23	4.75	5.67	5.28	3.78	0.40	37.83
1901...	0.55	0.40	3.35	0.72	3.51	3.51	9.17	3.15	3.29	2.08	1.79	1.19	32.71
1902...	0.75	2.00	1.33	3.85	2.61	3.56	1.31	2.18	1.94	1.61	3.44	2.68	27.26
1903...	T.	1.80	4.05	3.28	7.00	2.12	7.42	5.14	7.10	2.98	1.53	0.85	43.27
1904...	0.40	2.10	1.42	0.62	4.29	2.37	2.97	3.88	4.38	4.56	0.25	2.19	29.43
1905...	1.05	0.85	1.86	0.81	3.29	7.22	4.55	2.04	4.06	2.90	2.10	1.78	32.51
1906...	2.25	0.60	2.59	1.80	2.51	6.58	6.10	4.64	3.39	3.92	3.45	2.40	40.23
1907...	2.38	1.37	1.50	2.38	1.92	2.38	1.82	2.26	4.45	1.14	0.82	0.60	23.02
1908...	T.	2.32	2.86	2.07	3.83	2.12	4.31	0.86	1.98	0.71	1.40	1.75	24.21
1909...	1.17	2.55	1.96	3.35	2.83	2.77	7.99	2.92	2.32	0.95	5.60	1.43	35.84
Means	1.08	1.39	2.05	2.44	3.76	3.53	4.10	3.20	3.27	2.60	2.11	1.54	31.07

FOND DU LAC, FOND DU LAC COUNTY, WIS.
(Elevation, 800 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1886...	....	....	3.45	1.56	1.09	1.56	1.20	3.77	3.59	1.97	1.61	1.31	.....
1887...	1.26	3.52	1.13	0.61	1.79	2.47	3.09	4.98	....	2.20	1.27	3.39	.....
1888...	2.08	0.96	3.23	1.81	3.05	2.59	6.37	2.26	2.64	1.27	2.63	1.93	30.82
1889...	2.24	2.67	0.47	1.02	4.29	4.18	2.32	1.60	4.79	0.12	2.07	2.33	28.10
1890...	....	....	....	3.20	3.85	3.47	2.33	2.89	1.86	5.69	1.99	0.75	.....
1891...	1.11	1.17	1.90	1.44	0.44	2.73	2.94	2.17	0.58	1.63	2.88	2.41	21.40
1892...	2.36	2.00	0.82	1.79	6.86	8.31	4.56	1.59	2.46	1.03	1.46	1.10	34.34
1893...	1.53	1.27	1.80	3.40	1.20	2.10	7.94	2.04	2.48	1.65	1.68	2.64	29.73
1894...	1.61	0.72	1.87	1.94	4.07	3.60	0.62	1.37	3.41	2.80	2.16	0.99	25.16
1895...	1.34	0.34	0.49	0.97	2.45	0.69	2.15	3.19	1.05	0.31	1.17	1.44	15.59
1896...	0.94	0.29	1.52	3.68	3.85	3.44	....	....	....	....	....	....	.....
1897...	1.66	0.99	2.05	2.61	1.25	4.99	2.19	2.25	3.34	2.05	2.23	1.40	27.01
1898...	1.08	0.98	2.38	2.40	3.12	1.81	3.23	2.52	1.78	4.06	1.29	0.51	25.16
1899...	0.60	0.97	1.56	....	2.21	5.35	....	....	2.69	2.22	0.74	1.41	.....
1900...	0.60	1.69	0.94	2.09	1.19	1.25	5.63	5.49	3.06	4.07	0.94	0.50	27.45
1901...	0.40	0.42	2.62	0.24	2.35	5.60	4.90	1.46	2.81	2.32	0.73	0.78	24.63
1902...	0.17	0.33	0.52	0.93	6.06	4.72	8.74	0.95	3.05	1.42	1.35	1.62	29.86
1903...	0.50	0.52	1.95	3.02	3.66	1.07	2.69	8.43	3.94	2.00	1.34	0.37	29.49
1904...	0.66	1.10	1.00	1.78	5.67	1.82	4.47	1.36	5.37	3.18	0.39	1.71	28.51
1905...	1.42	1.36	0.37	1.72	6.79	7.19	2.19	5.68	1.39	2.15	2.00	0.60	32.86
1906...	2.47	0.98	1.82	1.99	2.80	6.15	1.86	3.78	4.00	2.55	3.45	1.59	33.44
1907...	2.27	0.25	2.04	3.90	2.22	4.53	5.93	3.63	4.83	0.69	1.30	0.76	32.35
1908...	1.05	1.23	2.24	4.20	4.77	1.77	1.14	4.21	1.56	1.00	1.66	1.87	26.70
1909...	1.29	1.20	1.21	5.29	2.71	3.54	1.00	3.36	2.29	0.76	2.88	2.59	28.12
Means	1.30	1.13	1.63	2.24	3.24	3.53	3.53	3.14	2.86	2.05	1.71	1.48	27.84

GRAND RIVER LOCKS (MONTELLO), MARQUETTE COUNTY, WIS.
(Elevation, 616 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1896...	1.32	0.30	0.56	5.48	8.65	3.33	2.92	1.93	4.08	1.54	2.06	0.68	32.85
1897...	1.57	0.73	2.10	2.81	1.19	3.27	4.78	2.97	4.29	2.04	1.21	1.68	28.64
1898...	1.45	0.62	3.00	2.78	3.49	5.19	3.78	4.51	1.64	3.59	1.12	0.39	31.56
1899...	1.28	0.65	2.52	2.36	3.94	7.55	2.83	4.02	2.66	2.00	0.90	1.80	32.51
1900...	0.64	1.42	0.72	2.24	1.40	2.40	6.54	3.76	6.36	6.93	1.82	0.53	34.76
1901...	0.36	0.64	3.00	0.49	2.84	5.29	5.45	1.60	4.11	4.45	1.10	1.29	30.62
1902...	0.20	2.12	2.57	1.40	10.31	4.13	9.45	0.95	4.80	1.98	1.65	2.38	41.94
1903...	0.51	0.81	3.24	4.16	7.32	1.92	5.18	10.79	5.32	3.00	1.63	0.95	44.83
1904...	0.40	1.33	3.74	2.12	5.54	3.55	6.29	2.04	5.35	5.42	0.40	1.18	37.36
1905...	0.62	0.85	2.02	1.12	7.23	9.53	5.43	4.47	3.48	2.50	2.79	1.51	41.85
1906...	3.11	1.40	2.59	1.35	4.62	9.47	2.97	6.30	4.15	5.25	4.07	2.22	47.50
1907...	2.96	0.42	1.76	2.89	2.84	3.14	5.54	6.65	3.97	0.93	1.30	1.10	33.50
1908...	0.29	2.87	2.99	3.03	4.95	3.26	1.98	2.54	1.28	1.13	2.26	1.05	27.63
1909...	0.76	0.52	1.14	4.20	2.10	3.50	0.40	3.21	2.49	0.99	2.40	1.74	23.45
Means	1.10	1.05	2.28	2.60	4.74	4.68	4.54	3.98	3.86	2.98	1.76	1.34	34.91

GREEN BAY, BROWN COUNTY, WIS.
(Elevation, 617 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1886...	....	....	....	....	....	....	....	....	3.58	5.40	2.88	1.36	.....
1887...	2.51	3.99	1.01	1.76	0.90	2.38	4.31	2.93	3.29	3.90	1.57	4.01	32.56
1888...	2.38	2.11	5.69	2.90	3.79	1.14	3.13	2.39	5.36	1.45	2.12	3.01	35.47
1889...	3.75	3.32	0.74	1.09	4.75	3.06	2.55	1.36	4.68	0.26	3.62	3.38	32.56
1890...	3.29	3.16	1.86	2.75	3.08	5.18	4.50	4.61	1.77	3.57	1.72	0.75	36.24
1891...	2.30	1.96	3.33	1.93	0.12	1.73	1.80	4.02	0.60	2.24	2.32	3.68	26.03
1892...	1.80	1.84	0.86	1.67	5.10	5.84	2.76	3.87	3.40	1.62	2.93	1.33	33.02
1893...	1.73	1.82	2.63	3.80	3.54	2.48	4.12	1.52	3.51	1.37	2.27	4.20	32.99
1894...	1.98	1.40	2.39	2.75	6.93	5.32	1.86	1.34	3.27	4.33	2.86	1.46	35.89
1895...	1.96	0.74	0.41	1.21	4.28	2.37	1.44	3.71	1.24	0.40	1.50	1.78	21.04
1896...	0.98	0.26	1.19	5.48	3.60	3.35	2.45	2.96	5.21	3.13	3.60	0.88	33.09
1897...	1.69	1.69	2.52	4.09	2.40	7.56	3.92	1.79	3.21	2.50	1.56	1.20	34.13
1898...	1.20	1.09	2.96	2.57	3.13	3.60	3.16	2.05	3.07	4.04	0.87	0.74	29.08
1899...	0.98	0.96	2.93	3.15	1.95	4.85	4.99	0.36	2.16	1.35	0.54	1.54	25.76
1900...	0.77	1.67	1.07	2.88	2.10	2.30	5.70	4.28	5.09	4.29	1.98	0.63	32.76
1901...	0.90	0.49	2.75	0.51	2.71	3.80	4.11	1.58	4.15	3.60	0.80	1.06	26.46
1902...	0.45	1.39	2.65	1.49	4.20	4.71	4.10	1.23	2.63	1.56	1.42	1.78	27.61
1903...	1.03	1.35	3.75	2.79	3.32	1.03	3.54	5.38	3.39	1.72	1.25	0.34	28.89
1904...	0.45	1.43	3.05	2.07	6.53	1.55	3.83	1.41	4.44	3.19	0.34	2.34	30.63
1905...	1.43	1.17	2.77	2.04	3.75	3.28	5.26	4.41	2.42	2.71	1.70	0.97	31.91
1906...	2.58	0.87	3.39	2.05	2.84	4.38	3.59	7.93	2.20	2.68	3.76	1.63	37.90
1907...	2.17	0.08	2.04	3.39	2.54	3.22	1.75	4.17	3.80	0.82	1.29	2.05	27.32
1908...	0.90	1.75	2.38	2.84	3.64	1.74	2.44	1.19	1.45	0.57	1.61	1.40	21.91
1909...	0.66	1.49	1.63	4.00	4.28	4.16	1.04	1.24	2.68	0.95	2.55	2.10	26.78
Means	1.65	1.56	2.35	2.57	3.46	3.44	3.32	2.88	3.19	2.40	1.95	1.82	30.44

LAKE MILLS, JEFFERSON COUNTY, WIS.
(Elevation, 897 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891..	....	....	....	....	1.58	4.49	2.64	1.54	0.21	2.21	3.03	2.56	.....
1892...	2.36	1.93	1.61	3.23	8.24	9.98	2.65	3.34	3.07	0.70	2.04	2.30	41.54
1893...	1.52	1.57	3.26	5.95	2.16	3.05	2.84	1.70	1.96	2.45	0.80	2.58	29.84
1894...	1.32	0.75	1.56	3.23	3.59	6.34	0.61	1.88	5.34	2.56	3.00	1.12	31.30
1895...	1.46	0.30	1.08	0.77	6.06	2.50	2.93	4.88	1.50	0.68	2.53	1.92	26.62
1896...	1.16	0.82	1.41	3.87	4.47	2.16	4.33	3.07	5.66	0.90	2.58	0.98	31.41
1897...	3.07	1.53	3.61	3.71	0.94	6.39	4.08	2.47	1.18	0.88	2.03	1.61	31.50
1898...	1.94	1.34	2.38	2.44	3.06	4.01	3.97	3.94	3.18	4.76	1.24	0.45	32.71
1899...	0.56	0.68	1.82	2.97	6.96	3.43	4.27	2.99	3.49	1.98	1.63	1.62	32.40
1900...	1.47	2.69	2.19	2.31	1.59	1.30	6.67	3.92	2.60	4.70	3.32	0.73	33.49
1901...	1.09	0.88	2.75	0.71	2.96	1.75	1.37	1.02	3.49	2.77	0.78	1.21	20.78
1902...	0.14	1.41	0.93	0.80	5.35	4.35	12.03	0.90	4.17	1.18	2.47	1.94	35.67
1903...	0.36	1.20	2.57	2.16	4.53	3.87	9.42	7.69	4.93	1.70	1.02	1.02	40.47
1904...	0.58	1.12	3.45	1.80	3.12	2.55	3.80	4.32	5.75	2.85	0.09	2.41	31.84
1905...	1.08	1.46	2.07	2.40	6.98	5.66	5.53	5.33	3.02	4.34	3.06	1.67	42.60
1906...	3.56	1.85	1.85	1.53	2.82	4.02	1.62	5.99	2.34	3.12	3.10	1.59	33.39
1907...	2.73	0.14	2.80	4.29	4.02	4.88	7.21	5.05	5.94	1.57	1.50	1.68	41.81
1908...	1.03	1.52	2.62	4.24	6.75	2.97	1.72	2.90	1.30	1.10	2.63	1.52	30.30
1909...	2.39	1.25	1.20	8.58	3.76	4.88	0.09	4.40	1.52	0.67	3.23	3.87	35.84
Means	1.55	1.25	2.18	3.06	4.15	4.14	4.09	3.54	3.19	2.17	2.11	1.73	33.16

Station known as Harvey up to December, 1906.

MADISON, DANE COUNTY, WIS.
(Elevation, 974 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1855...	....	....	....	....	4.44	6.44	....	....	....	....	....	....	.....
1856...	....	....	....	2.50	....	3.25	2.80	1.58	....	....	4.92	8.25	.....
1857...	....	1.75	0.78	2.70	5.28	2.67	[illegible]	2.00	2.93	2.00	0.72	0.75	.....
1858...	1.83	0.59	1.94	4.74	8.39	4.72	2.35	....	....	1.74	1.17	....	.....
1859...	....	....	3.07	3.07	....	3.33	2.41	....	2.00	....	1.39	....	.....
1860...	....	2.30	2.07	0.68	2.74	6.87	....	....	3.33	2.23	1.32	1.00	.....
1861...	2.20	1.45	2.85	5.49	2.10	1.20	....	....	2.77	....	....	0.60	.....
1862...	1.55	0.35	1.25	1.39	....	....	....	....	....	....	....	....	.....
1863...	....	....	1.60	....	....	....	....	....	0.86	3.25	1.50	1.70	.....
1864...	0.60	2.10	1.40	1.40	1.20	....	....	....	....	....	....	....	.....
1869...	2.69	2.35	0.79	3.08	4.90	6.14	3.63	5.92	2.68	0.66	2.05	2.64	37.53
1870...	3.35	1.35	3.85	0.18	1.09	1.92	5.25	3.85	4.00	2.09	0.53	0.67	28.13
1871...	2.32	1.43	2.96	2.00	3.31	4.93	2.11	3.35	0.47	3.07	2.35	1.15	29.45
1872...	1.20	0.40	2.18	1.82	2.83	2.44	1.26	2.24	5.11	0.60	0.76	1.60	22.44
1873...	1.40	0.60	2.07	1.26	3.53	6.60	0.82	2.76	2.54	1.96	2.15	1.80	27.49
1874...	3.64	0.95	0.95	1.26	2.14	2.85	5.00	1.40	5.46	1.44	3.51	0.45	29.05
1875...	1.10	2.80	0.90	1.87	2.61	3.37	0.97	2.56	2.08	1.96	0.40	2.18	22.80
1876...	2.31	1.60	2.27	2.65	5.18	4.57	4.25	3.42	3.41	1.59	2.31	2.59	36.15
1877...	1.00	0.30	3.40	T.	1.02	4.77	3.84	3.76	0.64	4.12	2.81	2.01	27.67
1878...	0.40	1.19	2.43	2.97	4.64	4.20	7.56	4.28	6.54	3.78	0.76	0.79	39.54
1879...	0.79	2.54	1.34	3.33	3.91	2.80	5.91	0.99	2.79	2.50	6.02	2.29	35.21
1880...	4.75	1.75	2.11	5.48	4.45	9.31	6.00	5.90	4.44	1.68	1.68	1.17	46.72
1881...	2.05	5.42	4.34	1.50	4.25	4.15	9.47	0.56	8.17	9.12	2.56	1.32	52.91
1882...	1.33	1.74	4.73	4.21	2.89	7.76	2.70	6.53	1.91	4.14	2.62	2.03	42.89
1883...	1.01	1.64	0.32	[illegible]	[illegible]	7.57	8.89	2.74	2.39	3.79	2.56	1.95	41.13
1884...	1.68	2.12	2.31	4.51	4.21	5.47	8.44	4.39	4.25	4.60	1.53	5.68	49.19
1885...	2.44	0.82	0.62	3.45	1.68	5.11	7.30	6.41	4.05	2.37	2.74	3.59	40.58
1886...	3.33	2.35	4.67	2.48	2.02	1.08	0.79	5.05	2.29	2.21	1.21	1.30	28.78
1887...	3.09	4.34	2.14	0.96	2.10	1.48	5.49	3.75	6.67	3.18	1.16	4.53	38.89
1888...	1.74	1.01	2.61	1.85	3.76	2.95	2.26	1.27	1.04	1.68	1.32	1.57	23.06
1889...	1.59	1.84	1.48	1.71	3.28	2.00	2.12	0.72	1.93	T.	1.17	2.33	20.17
1890...	1.81	2.01	2.38	2.22	5.03	7.72	1.81	4.23	2.02	4.59	1.94	0.62	36.98
1891...	1.19	1.38	3.62	1.45	1.42	3.69	2.66	1.41	0.38	1.49	3.31	2.24	24.24
1892...	2.42	1.94	1.38	3.94	6.98	7.61	2.32	3.43	3.29	0.36	1.24	2.19	37.10
1893...	1.06	1.05	2.29	4.53	2.28	6.69	4.64	1.42	2.67	1.85	1.30	1.68	31.46
1894...	0.96	0.46	1.73	3.57	3.36	3.94	1.75	0.54	4.21	1.77	1.03	0.67	24.59
1895...	1.12	0.26	0.27	1.06	2.58	0.59	1.21	2.08	0.91	0.58	1.03	1.80	13.49
1896...	0.88	0.32	0.79	4.91	6.31	2.09	3.62	2.43	4.29	3.08	1.40	0.68	31.35
1897...	2.22	0.82	2.38	2.51	0.51	4.03	1.79	2.73	1.73	0.86	1.33	1.67	22.58
1898...	3.59	2.42	2.67	2.46	4.71	4.40	2.83	2.56	2.43	3.08	0.55	0.21	31.91
1899...	0.16	0.42	1.94	2.09	4.92	2.64	3.22	3.57	3.35	1.58	0.95	1.37	26.81
1900...	0.69	1.26	1.32	1.31	1.86	3.20	6.91	2.72	2.89	4.43	1.72	0.47	28.78
1901...	0.62	0.59	2.77	0.45	2.41	2.40	1.54	1.33	4.16	2.49	0.46	1.02	20.24
1902...	0.17	1.46	0.60	1.17	5.16	4.27	8.98	0.78	4.18	1.23	1.41	1.84	31.25
1903...	0.10	1.11	3.50	2.88	4.38	1.39	6.70	6.95	3.54	2.18	1.07	0.60	34.40
1904...	0.30	1.87	2.44	1.39	5.03	2.85	3.27	3.20	5.93	1.60	0.03	3.34	31.25
1905...	0.77	1.29	1.74	1.43	6.40	2.88	2.27	2.48	0.58	2.25	2.23	1.17	25.49
1906...	2.80	0.97	2.13	0.90	3.35	4.55	1.80	7.56	2.04	2.69	2.36	1.23	32.38
1907...	1.89	0.28	1.80	3.00	2.09	2.80	5.84	3.59	4.70	1.14	1.22	1.35	30.29
1908...	0.97	1.79	1.62	4.41	5.38	1.80	2.85	2.53	0.78	0.64	2.14	0.76	25.67
1909...	2.33	1.70	1.12	7.19	2.49	2.78	0.29	4.39	2.20	0.91	2.28	3.15	30.93
Means	1.63	1.50	2.08	2.54	3.66	4.01	3.80	3.15	3.08	2.32	1.76	1.72	31.25

MILWAUKEE, MILWAUKEE COUNTY, WIS.
(Elevation, 681 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1871...	3.55	1.38	3.16	3.77	3.24	3.17	1.67	3.70	0.57	3.37	2.54	1.93	32.05
1872...	0.90	0.34	0.53	1.84	3.11	3.67	2.05	1.89	8.72	0.73	1.99	0.49	26.26
1873...	2.81	0.17	1.22	2.28	5.17	2.88	2.69	4.03	2.89	1.96	1.72	2.81	30.63
1874...	3.46	0.66	2.54	2.02	3.00	3.40	3.86	1.79	4.51	1.90	2.60	1.00	30.83
1875...	1.24	1.82	2.93	3.13	5.05	4.23	3.18	2.52	4.31	2.87	1.16	3.11	35.56
1876...	4.39	3.63	5.29	2.83	8.54	4.76	4.39	5.52	3.66	1.62	3.57	2.16	50.36
1877...	2.83	0.10	5.53	6.99	0.74	5.76	2.06	6.31	0.48	7.15	4.95	3.25	46.15
1878...	1.80	3.10	3.89	5.83	4.96	4.88	2.94	0.64	4.03	4.13	1.01	1.08	38.29
1879...	0.51	1.62	0.92	2.04	2.29	2.66	3.59	1.87	2.00	2.01	3.66	1.76	24.93
1880...	2.17	1.69	1.16	4.22	3.13	6.93	3.20	3.54	1.85	0.51	0.82	0.74	29.96
1881...	1.86	5.39	5.30	0.78	2.55	3.77	5.34	0.80	4.28	6.04	1.69	1.27	39.07
1882...	1.05	2.11	3.90	1.92	2.03	3.77	1.58	4.21	1.31	2.83	2.05	1.67	28.43
1883...	1.66	2.64	0.28	0.86	5.67	2.84	7.13	0.38	2.32	1.92	1.81	1.96	29.47
1884...	1.69	2.61	2.77	3.15	1.67	4.22	3.80	1.84	2.82	2.18	1.45	2.37	30.57
1885...	1.10	0.49	0.21	2.32	0.41	6.49	4.23	7.39	3.30	2.40	1.53	2.71	32.58
1886...	5.02	2.36	3.42	2.77	2.67	2.54	0.94	3.40	2.38	2.31	1.02	2.03	31.46
1887...	2.66	3.22	1.25	1.05	1.80	0.81	5.21	2.25	4.36	2.43	0.85	4.57	30.46
1888...	1.41	1.08	2.25	2.34	2.21	2.90	3.48	2.22	0.99	1.18	1.46	1.97	23.49
1889...	1.95	2.00	1.07	2.40	5.64	5.21	3.08	0.76	3.45	0.56	2.71	2.87	31.70
1890...	2.51	1.94	2.68	2.84	4.95	4.09	1.77	3.18	0.65	2.96	2.02	0.50	30.09
1891...	2.10	1.67	3.17	3.27	1.47	4.98	3.57	2.83	0.18	1.66	3.40	1.46	29.76
1892...	2.29	1.76	1.76	2.78	8.12	6.33	1.20	3.47	2.21	1.66	1.84	1.61	35.03
1893...	1.80	1.51	3.29	5.69	1.70	5.46	3.67	1.01	3.24	1.62	1.20	2.59	32.87
1894...	1.64	1.63	2.53	2.89	4.66	3.44	1.08	0.29	5.06	2.05	1.68	0.84	27.79
1895...	1.78	1.26	0.74	1.48	4.24	3.04	1.58	2.83	1.82	0.52	2.99	2.60	24.88
1896...	1.22	1.36	2.82	3.85	3.31	2.03	2.64	1.77	5.72	1.02	2.48	0.76	28.98
1897...	3.86	1.78	4.83	4.21	1.01	3.21	2.33	3.00	1.48	1.05	1.87	2.42	31.05
1898...	3.52	3.36	3.45	1.77	1.65	2.44	3.28	4.86	1.98	4.38	1.16	0.58	32.43
1899...	0.45	0.75	1.99	0.68	3.42	2.29	2.56	2.54	3.04	1.21	1.64	2.25	22.82
1900...	1.63	3.05	1.72	1.74	2.57	1.88	4.93	3.76	3.51	2.22	2.25	0.84	30.10
1901...	1.33	1.92	3.62	0.47	1.75	1.12	2.03	1.50	1.86	0.65	0.75	1.69	18.69
1902...	0.51	1.13	1.91	0.67	4.60	4.71	4.82	0.53	4.27	1.81	1.85	1.82	28.63
1903...	0.60	2.01	3.20	2.68	3.03	1.51	4.53	5.56	5.02	2.13	1.49	1.65	33.41
1904...	1.36	1.39	5.46	1.79	2.38	3.65	1.89	3.96	2.64	2.56	0.11	2.67	29.86
1905...	1.62	2.33	3.00	2.00	6.50	3.89	2.52	3.18	0.76	3.59	1.34	1.46	32.19
1906...	2.76	1.92	1.62	2.04	2.95	2.57	2.14	3.87	4.08	2.05	2.79	1.39	30.18
1907...	2.54	0.39	2.92	3.41	3.14	4.48	5.89	2.88	5.39	0.78	0.85	2.23	34.90
1908...	3.24	2.87	2.25	3.61	4.55	2.44	2.56	1.63	0.72	1.08	1.87	1.50	28.32
1909...	2.29	1.99	0.86	7.09	2.27	2.58	1.62	3.18	3.39	0.61	2.29	3.34	31.51
Means	2.08	1.86	2.60	2.76	3.39	3.62	3.10	2.84	2.96	2.15	1.93	1.90	31.19

MANITOWOC, MANITOWOC COUNTY, WIS.
(Elevation, 616 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1863...	2.84	1.52	1.25	2.39	4.17	1.67	2.75	6.07	0.70	3.97	3.34	3.25	33.92
1864...	1.77	1.52	1.73	2.83	1.32	1.44	3.40	3.16	3.29	1.70	2.77	1.85	26.78
1865...	0.27	2.05	2.82	2.53	0.27	4.09	7.16	2.93	4.83	3.33	0.54	0.77	31.59
1866...	2.63	1.11	1.64	2.10	1.78	5.29	2.58	3.82	1.27	2.33	1.62	1.07	27.24
1867...	1.65	1.75	1.80	2.00	2.26	1.34	4.32	1.52	2.85	1.74	1.88	1.18	24.20
1868...	1.64	1.34	3.87	1.92	1.01	7.20	2.45	1.36	3.72	2.31	3.04	0.67	30.53
1869...	2.76	2.52	0.75	4.07	3.40	8.15	3.54	4.77	1.84	0.69	3.15	2.97	38.43
1870...	1.30	1.65	3.58	0.58	2.45	3.35	4.20	5.73	1.13	1.80	0.68	2.13	28.58
1871...	1.98	0.64	4.84	2.95	2.09	3.88	3.42	1.74	0.22	3.35	1.20	2.04	28.35
1872...	0.57	0.60	1.68	0.91	4.30	1.53	1.89	4.70	4.22	0.30	2.24	0.87	23.81
1873...	2.91	0.58	1.37	2.13	3.93	6.44	3.65	1.00	5.08	2.11	3.03	2.11	34.34
1874...	3.21	1.18	1.77	1.77	1.90	2.70	2.56	3.53	3.76	2.33	2.41	1.02	28.14
1875...	0.66	2.34	1.38	1.51	4.24	4.26	2.02	5.26	2.85	2.32	1.01	2.41	30.26
1876...	2.68	1.61	3.16	1.59	3.73	6.14	2.60	3.21	3.03	1.34	2.48	1.06	32.63
1877...	1.08	0.15	2.36	2.61	0.56	2.85	2.33	5.75	0.40	5.31	3.09	1.67	28.16
1878...	0.76	1.46	1.55	5.14	2.96	2.20	4.15	1.88	8.51	2.45	1.15	1.80	33.01
1879...	0.55	1.79	1.11	3.11	1.26	1.91	2.71	2.38	2.16	2.90	5.10	2.24	27.22
1880...	2.01	1.93	1.44	5.11	1.03	3.78	3.57	4.20	2.66	1.97	1.36	1.05	30.71
1881...	1.60	3.82	2.45	0.89	1.75	2.25	2.25	3.12	7.95	8.81	1.89	0.87	37.55
1882...	1.24	1.94	2.79	3.16	1.99	4.34	1.80	5.08	1.37	3.70	5.11	2.61	40.13
1883...	1.52	1.56	0.71	1.34	5.60	5.54	13.68	1.08	2.36	1.38	2.41	0.96	38.12
1884...	0.72	2.33	1.57	4.30	2.43	5.16	5.44	4.81	1.55	5.03	1.81	5.36	40.51
1885...	1.98	0.71	0.95	1.98	1.25	3.09	5.57	4.62	3.27	3.17	1.97	3.24	31.80
1886...	3.80	0.80	3.62	2.00	1.39	3.88	1.73	2.37	6.68	3.86	2.47	1.45	34.05
1887...	1.82	3.55	0.93	0.96	1.04	1.32	1.90	2.76	4.74	3.37	1.17	2.91	26.47
1888...	1.87	1.07	3.69	2.23	3.51	1.11	3.62	2.76	3.63	0.96	1.61	2.14	28.20
1889...	2.68	2.56	0.53	1.66	4.09	4.28	2.24	2.46	2.51	0.28	2.77	3.06	28.52
1890...	3.32	2.88	1.92	3.26	3.33	4.00	3.92	2.23	1.12	4.42	1.81	0.65	32.86
1891...	1.59	2.01	4.72	2.18	0.29	3.73	2.16	2.42	0.76	1.70	2.20	2.91	24.67
1892...	1.94	1.49	0.72	1.57	5.65	7.21	3.03	4.30	1.74	1.33	2.09	1.69	32.76
1893...	1.72	1.44	2.68	4.31	1.06	1.37	5.75	2.68	3.85	1.37	1.68	3.04	30.95
1894...	1.55	0.94	2.39	2.47	4.71	2.79	1.10	0.56	3.40	2.97	2.12	0.48	25.48
1895...	1.64	0.49	0.42	1.52	4.42	1.49	1.85	3.51	1.16	0.53	1.59	1.54	20.16
1896...	1.05	0.25	1.95	7.51	3.98	1.88	2.91	1.98	4.81	1.31	2.94	0.66	31.23
1897...	2.26	1.11	2.25	3.46	1.41	3.27	2.46	1.37	3.32	2.30	1.98	1.39	26.58
1898...	1.18	1.20	2.29	2.24	2.86	2.15	2.63	2.46	2.81	4.61	0.05	0.62	25.70
1899...	0.93	0.98	1.84	1.67	3.07	2.76	3.40	0.93	2.35	1.42	0.72	1.33	21.30
1900...	0.88	1.89	0.98	2.70	1.12	2.43	4.59	3.12	3.27	4.84	2.46	1.06	29.34
1901...	1.27	0.73	5.14	0.76	1.80	2.91	4.22	1.42	2.65	2.66	0.62	1.73	25.91
1902...	0.26	2.27	2.05	0.97	3.70	3.81	8.89	1.09	2.60	2.14	2.09	2.43	32.90
1903...	0.70	1.10	2.18	4.01	2.73	0.92	7.92	4.24	3.39	3.41	1.12	0.44	32.16
1904...	0.85	1.88	3.66	2.01	5.21	2.63	2.52	2.22	3.19	3.63	0.09	2.40	30.29
1905...	1.34	1.23	2.57	1.07	5.08	5.43	3.46	3.38	2.21	2.47	2.14	1.37	31.75
1906...	3.41	1.47	2.37	1.96	2.72	3.43	2.89	1.09	1.91	2.93	3.60	2.08	30.46
1907...	2.04	0.41	1.99	3.05	2.48	4.65	3.63	2.73	5.19	0.40	1.45	1.72	29.74
1908...	1.15	1.09	2.67	3.07	6.28	3.24	1.26	2.34	1.84	1.03	2.31	2.24	28.52
1909...	1.78	1.84	2.08	4.10	2.06	3.97	1.54	3.23	3.12	1.07	2.90	3.20	30.89
Means	1.70	1.51	2.13	2.49	2.76	3.47	3.57	2.99	2.11	2.54	2.08	1.82	30.18

NEW LONDON, OUTAGAMIE COUNTY, WIS.
(Elevation, 762 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1896...	....	....	1.48	5.35	4.78	5.14	3.90	1.14	4.08	2.15	1.99	0.93	.....
1897...	1.81	1.15	1.69	2.36	2.26	5.65	3.62	2.62	2.11	1.07	2.00	1.06	27.40
1898.	0.81	0.75	2.78	2.98	3.14	2.78	4.73	3.29	2.67	3.50	1.06	0.46	28.95
1899...	1.04	1.13	2.88	2.89	3.15	7.07	6.50	1.88	2.31	2.24	1.36	1.45	33.90
1900...	1.66	3.69	1.73	3.05	1.11	1.47	5.83	2.98	6.48	5.24	1.62	0.77	35.63
1901...	0.58	0.41	3.34	0.56	2.87	3.92	6.22	1.10	3.46	3.93	0.74	0.97	28.10
1902...	0.42	2.11	1.33	1.93	8.17	4.09	6.48	1.62	2.34	1.57	1.88	2.38	34.32
1903...	0.61	1.09	3.39	2.82	4.15	1.56	3.44	4.66	3.05	2.18	1.17	0.72	28.84
1904...	0.33	1.20	2.16	2.49	6.81	2.69	3.22	1.24	4.55	4.03	0.40	1.93	31.05
1905...	1.11	1.37	2.10	1.21	5.58	5.86	5.27	5.69	2.90	2.40	1.98	1.49	36.96
1906...	2.73	0.59	3.60	1.88	3.02	4.80	4.18	4.01	3.47	3.57	4.54	1.98	38.67
1907...	2.51	0.16	1.51	3.60	2.98	4.80	4.57	5.26	3.63	0.27	2.02	1.70	33.01
1908...	1.05	1.28	2.82	3.51	5.43	2.91	3.53	2.18	1.16	1.19	1.59	1.64	28.29
1909...	0.41	1.14	1.29	4.50	3.82	3.78	1.15	3.88	3.87	0.60	2.78	2.35	29.57
Means	1.16	1.24	2.29	2.80	4.09	4.04	4.47	2.97	3.29	2.45	1.80	1.42	32.02

OCONTO, OCONTO COUNTY, WIS.
(Elevation. 590 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891...	1.70	2.56	2.91	2.01	0.21	3.02	2.06	2.70	1.29	1.15	1.88	4.09	25.58
1892...	1.91	2.02	1.18	1.75	5.87	4.00	2.84	2.36	1.73	1.94	2.45	1.17	29.22
1893...	1.65	2.34	2.11	3.54	1.33	0.89	2.07	1.41	2.22	1.73	1.34	2.74	23.37
1894...	2.32	0.80	2.13	2.86	5.90	2.74	1.95	0.52	2.13	2.60	3.96	1.86	29.77
1895...	1.00	0.35	0.20	1.46	2.34	2.52	0.89	3.17	3.98	0.45	1.12	2.42	19.90
1896...	1.90	0.40	1.70	7.19	4.16	2.46	1.77	2.35	4.04	3.74	5.21	1.00	36.01
1897...	1.32	1.30	2.56	2.80	2.08	4.41	5.93	2.07	2.07	1.61	2.29	1.07	29.51
1898...	1.10	0.95	2.68	2.82	4.37	2.70	2.81	3.39	2.35	4.12	1.95	0.40	29.73
1899...	1.45	0.65	2.22	2.53	2.76	4.08	5.70	3.78	1.14	1.13	0.60	0.77	26.81
1900...	0.97	1.77	1.70	2.77	2.77	1.81	8.00	3.39	6.32	6.40	1.48	1.03	38.41
1901...	1.45	0.70	3.44	0.71	3.13	2.39	3.09	2.59	4.79	3.42	1.81	0.55	28.07
1902...	1.45	1.93	1.26	2.14	2.79	3.71	5.53	1.41	2.22	2.23	2.17	2.50	29.34
1903...	1.23	1.83	3.61	2.91	4.80	3.80	2.14	4.86	5.40	1.11	0.76	1.65	34.10
1904...	0.90	3.15	2.57	2.40	8.47	2.45	3.26	2.94	4.13	2.42	0.26	1.75	34.70
1905...	2.05	1.30	2.38	2.04	4.34	5.58	5.03	2.90	2.62	2.24	1.85	1.02	33.35
1906...	3.22	1.10	3.23	2.25	4.13	6.04	2.15	3.22	1.79	3.90	4.21	2.59	37.83
1907...	2.60	0.30	1.67	2.35	2.22	2.41	1.38	2.52	4.77	0.41	1.70	2.38	24.80
1908...	1.85	2.96	0.94	2.73	3.52	4.65	3.80	1.06	1.98	0.88	1.64	1.90	27.91
1909...	1.01	3.20	2.35	2.00	3.14	4.78	2.67	0.90	2.08	1.10	2.65	3.24	29.12
Means	1.64	1.56	2.15	2.59	3.60	3.40	3.32	2.50	3.00	2.24	2.07	1.80	29.87

OSHKOSH, WINNEBAGO COUNTY, WIS.
(Elevation, 744 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1889	2.89	3.18	0.68	0.72	3.52	3.49	....	....	....	....	0.31	2.83	.....
1890	3.01	2.70	1.67	3.56	4.75	7.62	2.83	5.04	1.54	5.89	2.18	0.86	41.65
1891	1.27	1.69	1.83	1.56	0.48	3.40	2.44	1.91	1.18	1.82	2.30	3.08	22.96
1892	2.41	2.33	1.21	2.20	7.26	8.70	7.00	1.40	1.61	1.22	2.25	1.44	39.03
1893	1.87	1.27	1.95	3.38	2.70	1.65	7.43	....	3.19	1.74	....	1.53	.....
1894	1.10	0.61	1.68	2.82	4.01	....	....	0.65	2.65	3.48	1.35	0.30	.....
1895	2.42	T.	....	1.30	3.55	....	1.51	....	1.92	0.44	1.71	1.00	.....
1896	1.54	0.10	1.36	3.72	4.74	2.10	....	0.72	4.89	2.42	1.92	1.14	.....
1897	0.19	1.11	2.35	2.52	1.28	3.91	3.64	2.93	3.70	....	....	0.71	.....
1898	0.82	....	0.95	4.30	....	....	....	....	....	3.50	1.75	0.46	.....
1899	0.75	0.55	1.45	3.50	2.77	....	2.15	1.50	2.02	1.22	2.15	0.82	.....
1900	0.55	1.05	1.05	2.45	2.30	....	....	....	1.51	....	1.20	....	.....
1901	1.80	....	3.15	1.05	....	7.60	5.55	2.15	3.35	2.90	0.80	0.40	.....
1902	0.90	1.45	2.40	1.40	6.35	3.00	6.25	1.46	2.55	2.22	1.10	1.54	30.62
1903	0.39	0.79	3.10	2.32	3.70	1.18	4.14	7.50	4.00	1.19	1.37	0.63	30.31
1904	0.30	1.51	2.34	1.51	6.05	....	3.56	1.43	4.48	3.01	0.13	2.16	.....
1905	1.30	1.10	1.85	2.11	5.47	9.84	4.30	4.04	2.64	2.50	1.46	1.00	37.61
1906	2.03	0.69	1.93	2.58	3.18	4.89	2.39	4.00	3.63	2.76	3.70	1.98	33.76
1907	1.81	0.27	1.83	2.82	2.83	3.57	7.56	4.69	2.91	0.35	1.40	1.60	31.64
1908	1.60	1.02	2.80	4.16	4.01	4.74	1.33	1.77	0.85	1.18	1.85	1.70	27.01
1909	0.75	1.30	0.95	4.82	2.56	2.20	3.21	4.31	1.91	0.58	2.40	2.60	27.59
Means	1.41	1.20	1.83	2.61	3.76	4.53	4.08	2.84	2.66	2.13	1.65	1.39	30.09

PINE RIVER, WAUSHARA COUNTY, WIS.
(Elevation, 900 feet.)

1894	....	....	....	....	....	....	....	....	....	2.50	2.10	0.96	.....
1895	0.90	0.47	0.06	1.49	2.47	1.93	2.32	2.74	1.73	0.45	1.64	1.96	18.16
1896	0.62	0.19	0.70	4.56	9.03	4.12	3.26	2.24	3.76	2.24	2.03	0.80	34.15
1897	1.66	0.87	2.06	2.04	1.39	4.55	2.89	2.31	1.75	1.06	1.73	1.03	23.34
1898	0.80	1.00	2.53	2.80	1.95	3.46	3.12	4.08	1.57	3.12	1.11	0.58	26.12
1899	1.00	1.13	2.35	2.70	1.95	6.74	5.09	1.10	2.60	1.65	0.93	1.63	28.87
1900	0.59	1.38	1.14	2.36	2.04	2.64	4.66	4.13	3.66	5.99	1.44	0.84	30.87
1901	0.50	0.53	1.91	0.67	2.60	4.02	4.17	1.65	3.01	3.96	0.35	0.67	24.04
1902	0.87	1.92	1.14	1.31	10.92	4.24	7.38	0.97	2.66	1.46	1.60	2.49	37.01
1903	0.36	1.07	2.34	2.22	4.31	0.92	4.50	6.03	2.53	1.67	1.00	0.67	27.62
1904	0.20	0.94	2.35	2.06	5.05	2.73	4.03	1.87	5.44	4.36	0.10	1.66	31.39
1905	0.83	0.97	1.65	0.99	5.95	9.28	5.63	5.21	2.74	2.57	2.07	1.51	39.40
1906	2.33	0.63	3.04	1.99	2.67	4.10	3.20	3.19	3.09	3.93	3.99	2.26	34.42
1907	2.56	0.13	1.79	3.47	2.42	3.04	8.71	4.01	2.84	0.62	1.41	1.59	32.59
1908	0.78	1.47	2.69	4.24	5.09	2.31	2.62	1.23	3.51	1.26	1.46	1.40	28.06
1909	1.03	1.15	1.29	5.23	1.92	3.68	0.59	3.98	3.47	0.69	2.29	2.29	27.61
Means	1.00	0.92	1.81	2.55	4.02	3.85	4.14	2.98	2.96	2.35	1.62	1.40	29.60

PORT WASHINGTON, OZAUKEE COUNTY, WIS.
(Elevation, 718 feet.)

1892	....	....	....	....	....	....	....	....	1.93	2.60	1.70	0.63	.....
1893	....	....	....	....	....	....	....	....	....	....	....	....	.....
1894	1.85	0.70	3.05	3.25	2.49	3.99	0.38	1.65	2.31	1.72	1.61	0.68	24.28
1895	1.41	0.60	0.40	0.82	2.50	2.50	0.48	4.74	1.43	0.60	2.79	1.55	20.32
1896	1.00	0.80	2.30	4.56	6.04	2.93	1.74	1.49	5.50	1.00	3.00	1.44	31.80
1897	3.33	1.20	4.85	3.92	1.28	3.10	3.56	1.37	0.72	1.34	1.69	1.81	28.17
1898	4.00	3.76	3.33	2.59	2.68	2.41	2.25	2.74	2.04	4.05	1.37	1.20	32.42
1899	0.40	0.70	2.45	1.68	3.48	2.42	3.82	1.20	3.75	1.80	0.55	1.21	23.46
1900	1.80	3.10	1.40	3.75	1.22	1.85	4.57	3.51	2.13	2.33	1.85	0.70	28.21
1901	1.70	1.90	5.15	0.60	2.47	1.44	4.16	2.27	2.40	1.03	0.85	1.80	25.77
1902	0.07	2.30	1.58	1.96	7.95	3.05	6.48	0.50	3.25	1.25	2.49	3.20	34.68
1903	0.95	2.10	2.70	3.68	3.47	1.73	4.26	6.37	2.82	2.83	1.68	0.89	33.48
1904	0.70	1.55	4.75	2.60	3.81	2.15	2.06	3.84	4.83	3.73	0.08	2.40	32.50
1905	1.60	2.40	2.20	1.90	7.42	4.38	3.20	4.25	2.48	2.81	2.08	1.55	36.27
1906	3.90	2.09	1.90	1.40	3.55	2.17	3.05	2.52	4.05	2.78	4.30	2.00	33.71
1907	3.00	0.60	3.67	3.67	3.09	4.25	9.24	5.32	7.35	1.28	1.58	1.67	44.72
1908	2.50	2.11	3.35	3.97	5.95	2.20	1.93	2.51	0.55	1.12	2.19	2.20	30.58
1909	2.55	1.72	1.25	7.29	2.87	4.40	1.58	4.34	3.57	0.93	3.50	5.02	39.02
Means	1.92	1.73	2.81	2.98	3.77	2.85	3.33	3.04	3.01	1.95	1.96	1.76	31.11

RACINE, RACINE COUNTY, WIS.
(Elevation, 688 feet.)

1897	3.25	0.84	4.01	3.96	0.87	3.41	1.93	2.47	1.29	0.56	1.92	1.35	25.86
1898	3.51	2.37	3.15	1.54	1.81	2.44	3.24	3.20	2.90	3.13	1.29	0.53	29.11
1899	0.35	T.	1.69	0.31	4.89	3.17	4.26	1.08	4.25	1.34	2.17	2.04	25.55
1900	1.95	2.71	1.20	0.83	1.75	2.21	6.66	5.65	1.82	1.87	4.19	0.34	31.18
1901	0.83	1.62	3.79	0.33	2.09	2.23	0.86	1.41	3.82	0.86	0.87	1.29	20.00
1902	0.37	1.03	2.61	0.92	5.77	5.46	6.87	0.45	6.80	1.39	2.19	2.20	36.06
1903	0.57	1.77	2.71	2.76	2.39	3.61	3.23	4.76	4.20	1.39	0.73	0.76	28.88
1904	1.75	0.84	5.28	1.71	1.33	2.36	3.35	2.32	2.89	1.47	0.17	1.80	25.27
1905	0.93	0.85	1.96	4.05	4.49	3.74	3.45	5.56	2.37	3.43	2.02	1.15	34.00
1906	2.46	1.94	1.59	1.61	1.50	2.46	1.04	3.85	7.30	2.25	2.92	1.44	30.36
1907	2.99	0.57	2.98	2.53	4.29	4.45	4.79	4.06	4.87	1.02	1.24	1.75	35.54
1908	1.48	2.59	2.48	4.13	5.29	2.68	3.52	1.80	1.22	1.30	2.15	0.90	29.54
1909	2.50	2.24	0.60	7.82	0.83	2.42	2.34	2.90	3.48	0.67	3.00	3.50	32.30
Means	1.76	1.49	2.62	2.50	2.87	3.13	3.50	3.04	3.63	1.59	1.91	1.47	29.51

SHAWANO, SHAWANO COUNTY, WIS.
(Elevation, 796 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891	2.40	2.70	1.30	1.83	0.11	2.95	1.70	2.79	1.13	1.23	1.55	4.08	23.77
1892	1.56	1.29	1.10	1.97	5.83	5.82	2.30	2.44	1.16	2.42	1.62	0.67	28.18
1893	1.14	1.87	2.52	2.80	2.06	1.04	2.40	0.81	1.60	3.15	1.05	2.97	23.41
1894	2.39	0.50	1.31	2.36	5.40	3.10	1.68	0.90	3.64	2.93	3.00	0.99	28.20
1895	1.13	0.55	0.61	1.42	2.23	1.63	4.07	2.18	2.15	0.44	1.03	1.70	19.14
1896	0.99	0.25	1.40	6.25	3.26	2.36	4.20	5.03	3.42	2.57	2.34	0.76	32.83
1897	1.76	1.53	2.53	2.42	2.15	5.05	3.68	1.25	1.56	1.06	1.29	0.99	25.27
1898	0.48	0.99	2.23	2.04	2.46	2.68	3.00	3.80	2.94	3.03	1.23	0.38	25.26
1899	1.70	1.20	2.32	2.55	2.24	4.96	5.15	1.95	1.60	1.62	0.38	1.19	26.86
1900	0.52	1.06	0.60	2.16	1.83	2.35	6.59	4.11	8.02	10.02	1.21	0.83	39.30
1901	1.05	0.40	2.53	1.33	3.56	3.43	4.52	1.71	4.56	3.54	0.77	1.02	28.42
1902	....	....	....	....	....	....	....	....	....	....	....	....	.....
1903	....	....	....	...	....	....	....	....	....	....	....	....	.....
1904	....	....	....	....	....	....	....	....	....	....	....	....	.....
1905	....	....	....	....	....	....	....	....	....	....	....	....	.....
1906	....	....	....	....	....	....	....	....	....	....	....	....	.....
1907	....	....	....	2.80	2.39	2.50	2.71	2.08	4.91	0.53	1.58	2.55	.....
1908	1.40	1.15	1.69	3.93	4.35	3.49	3.26	0.91	1.75	0.89	1.72	1.28	25.82
1909	0.60	1.48	1.88	4.93	3.70	2.95	3.23	1.69	1.81	0.32	3.78	1.82	28.19
Means	1.32	1.15	1.69	2.77	2.97	3.16	3.46	2.26	2.88	2.41	1.61	1.52	27.20

SHEBOYGAN, SHEBOYGAN COUNTY, WIS.
(Elevation, 881 feet.)

1899	....	....	....	....	....	....	....	....	2.71	1.89	0.82	1.53	.....
1900	1.26	0.45	1.57	3.12	0.87	1.75	5.53	3.81	3.99	6.04	2.51	0.89	31.79
1901	1.00	1.45	4.57	0.43	1.78	4.74	3.39	1.40	3.17	1.86	0.59	1.32	25.70
1902	0.45	1.15	2.23	2.16	5.43	3.19	6.82	0.80	2.37	1.73	2.13	1.96	30.42
1903	1.43	1.36	2.36	3.90	3.62	1.43	2.75	5.82	2.66	2.80	1.79	1.05	30.97
1904	0.90	2.70	1.38	2.37	3.83	1.92	2.37	1.73	4.80	3.07	0.14	1.70	26.91
1905	3.75	3.20	1.86	2.08	6.41	7.54	3.75	4.14	1.92	2.91	2.12	0.99	40.67
1906	3.67	1.49	2.43	1.36	2.59	2.17	1.75	2.43	2.59	3.18	3.57	1.70	28.93
1907	2.77	1.14	2.85	2.42	2.91	3.94	5.66	2.36	5.76	0.57	1.03	1.93	33.34
1908	2.50	2.42	2.58	3.11	6.58	1.42	1.34	2.70	1.72	1.09	2.18	1.75	29.39
1909	1.76	2.45	1.07	2.58	1.86	3.35	2.52	3.68	3.00	1.13	3.02	4.65	31.07
Means	1.95	1.78	2.29	2.35	3.59	3.14	3.59	2.89	3.10	2.39	1.86	1.77	30.70

WATERTOWN, JEFFERSON COUNTY, WIS.
(Elevation, 824 feet.)

1891	....	....	....	....	1.81	....	2.25	1.47	0.48	2.06	2.75	....	.....
1892	....	....	2.15	2.75	5.95	8.76	1.21	2.26	3.85	0.52	1.52	2.00	.....
1893	1.52	1.68	2.58	4.38	1.90	3.06	3.07	1.55	2.83	1.67	1.03	3.21	28.48
1894	1.50	0.80	1.13	2.86	3.36	3.66	0.94	0.66	5.35	1.61	2.43	1.12	25.44
1895	1.77	0.75	0.77	0.74	5.11	1.64	2.24	2.20	1.82	0.62	1.98	2.05	21.69
1896	1.24	1.13	1.70	4.59	5.03	3.13	4.49	2.46	5.69	0.78	2.11	1.14	33.49
1897	4.08	1.35	2.70	4.34	1.17	5.61	3.93	2.66	1.01	1.24	1.56	2.69	32.34
1898	1.56	3.14	4.00	2.50	4.32	4.63	3.08	2.64	1.68	4.20	1.33	0.77	33.85
1899	1.21	0.45	2.36	2.95	4.82	4.39	3.72	3.85	3.01	2.14	0.67	1.74	31.31
1900	1.52	2.60	1.79	2.76	1.99	1.61	5.08	2.82	2.74	4.55	2.30	0.73	30.49
1901	1.02	1.59	2.84	0.57	1.68	2.26	5.02	1.50	3.74	2.19	0.91	1.49	24.81
1902	0.34	1.95	1.15	1.51	6.49	4.04	9.10	0.76	3.69	1.10	2.42	1.74	34.20
1903	0.70	1.79	2.22	2.93	4.91	2.32	8.88	6.09	3.77	2.48	1.44	1.64	39.26
1904	0.36	1.09	4.03	1.53	4.51	2.01	2.87	2.18	7.22	1.84	0.14	2.30	30.08
1905	2.47	1.84	3.12	2.27	5.82	5.66	3.46	6.48	1.66	3.08	2.26	1.43	39.55
1906	2.78	1.46	2.43	1.61	2.83	5.63	2.05	3.95	2.06	2.71	3.28	1.53	32.32
1907	2.83	0.59	3.15	2.89	3.02	5.46	6.47	2.85	5.53	1.32	1.39	2.06	37.56
1908	0.62	1.74	2.74	3.92	5.35	1.80	2.25	2.39	1.77	1.51	2.29	1.25	27.63
1909	2.25	1.38	1.35	7.74	2.50	4.24	0.54	3.06	2.58	0.63	2.47	3.79	32.53
Means	1.64	1.49	2.34	2.94	3.82	3.88	3.72	2.73	3.18	1.91	1.80	1.82	31.27

WAUKESHA, WAUKESHA COUNTY, WIS.
(Elevation, 864 feet.)

1891	....	....	....	....	....	....	....	....	....	1.46	3.21	1.67	.....
1892	2.00	1.45	1.97	2.23	7.49	8.52	1.60	3.87	2.45	0.78	1.79	1.60	35.75
1893	1.42	1.21	2.95	5.64	2.11	4.32	3.05	1.32	2.87	2.41	1.47	2.61	31.38
1894	1.34	0.81	2.49	2.94	3.68	2.22	1.16	1.73	4.55	2.37	2.08	0.51	25.88
1895	1.55	0.42	0.53	0.78	5.01	2.29	1.79	2.61	1.56	0.67	2.11	1.82	21.14
1896	0.43	0.89	1.82	4.11	4.12	2.59	2.59	2.67	5.71	0.68	2.05	0.56	28.22
1897	2.73	1.03	3.28	4.10	1.01	3.14	3.20	3.02	1.35	1.11	1.25	1.58	26.80
1898	2.34	1.60	3.24	2.05	1.92	1.54	2.81	4.08	1.55	4.10	0.98	0.50	26.71
1899	0.64	0.77	1.47	1.19	3.92	3.99	2.14	2.50	3.18	1.21	2.20	1.18	24.39
1900	1.43	1.87	0.91	2.34	1.21	1.21	7.03	5.67	2.02	2.34	1.86	0.45	28.34
1901	1.02	1.23	2.95	0.35	1.88	1.35	2.01	0.77	2.67	1.00	0.58	1.49	17.30
1902	0.29	1.39	1.33	1.11	5.96	4.53	8.82	0.64	3.95	1.73	2.39	2.31	34.45
1903	0.48	0.72	2.86	2.51	4.57	3.30	6.93	7.39	5.04	2.50	1.01	0.99	38.30
1904	0.81	0.86	3.54	1.97	3.70	2.07	3.17	3.70	4.33	3.28	0.22	1.38	29.03
1905	0.86	1.21	2.50	1.49	6.71	5.69	2.77	4.33	1.44	3.19	2.19	1.02	33.40
1906	3.54	1.23	1.61	1.69	2.08	3.47	4.29	2.40	2.84	2.36	2.54	1.31	29.36
1907	2.15	0.11	2.20	3.14	3.22	5.03	6.35	4.07	5.21	1.25	1.26	1.45	35.44
1908	1.03	1.20	2.61	4.24	4.86	3.11	1.08	1.85	0.81	0.82	2.03	1.15	24.79
1909	2.44	0.93	0.75	6.84	2.28	2.63	0.46	3.73	3.32	0.48	2.19	2.96	29.01
Means	1.47	1.05	2.17	2.71	3.65	3.39	3.40	3.13	3.05	1.78	1.76	1.40	28.96

WAUPACA, WAUPACA COUNTY, WIS.
(Elevation, 857 feet.)

Year.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1895...	....	....	....	....	3.40	3.02	1.70	2.15	....	....	1.78	1.40	.....
1896...	0.85	0.19	1.23	4.74	7.57	4.44	2.64	1.68	4.21	2.76	2.25	1.05	33.61
1897...	1.08	0.95	2.07	2.27	2.49	8.88	2.24	1.40	2.03	0.69	1.64	0.77	26.51
1898...	0.74	0.75	2.84	2.61	2.88	3.24	3.10	4.60	2.04	4.39	1.11	0.59	28.79
1899...	1.57	1.25	2.47	2.33	2.66	7.80	5.13	2.57	2.54	1.42	1.29	1.35	32.38
1900...	0.60	1.36	0.69	2.74	....	....	....	4.34	7.02	5.96	1.34	1.01	.....
1901...	0.61	0.46	2.93	0.89	2.38	3.76	5.30	1.64	3.82	2.66	0.94	0.59	25.98
1902...	0.40	2.12	0.98	1.24	6.89	3.75	5.30	1.48	3.51	1.33	1.67	2.17	30.84
1903...	0.41	1.02	2.48	2.83	5.88	2.77	3.05	6.32	3.66	1.86	1.08	0.59	31.95
1904...	0.23	1.10	2.43	1.84	6.50	2.93	3.32	....	....	....	0.33	1.38	.....
1905...	0.97	0.96	1.80	1.39	4.93	7.33	4.37	5.62	2.07	1.92	2.03	1.22	34.61
1906...	2.59	0.50	3.90	1.89	2.63	4.60	2.23	3.70	3.00	3.88	4.59	1.82	35.33
1907...	2.53	0.18	1.41	3.07	3.08	4.00	6.09	5.07	2.70	0.59	1.26	1.84	31.91
1908...	0.94	1.18	2.53	4.98	3.64	2.57	3.47	3.04	1.93	1.50	1.72	1.23	28.73
1909...	0.60	1.04	1.31	4.39	2.98	2.85	0.80	4.20	3.65	0.79	2.69	2.20	27.50
Means	1.01	0.93	2.08	2.66	4.14	4.42	3.48	3.41	3.25	2.29	1.71	1.28	30.66

MEAN TEMPERATURE (Fahrenheit).

Stations.	Length record, years.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Amherst	18	14.1	14.3	27.9	43.8	55.1	64.9	69.6	67.3	60.0	47.7	31.7	19.4	43.0
Appleton	11	16.0	18.0	30.5	43.0	54.6	64.6	70.1	67.9	62.1	48.9	35.6	21.5	44.4
Beloit	17	20.4	19.9	34.2	47.5	58.7	68.0	72.9	70.6	63.6	50.8	36.9	24.0	47.3
Brodhead	11	20.4	18.7	34.5	47.0	59.2	67.6	72.8	70.6	63.4	52.0	37.9	22.2	47.2
Chilton	15	17.2	17.3	30.7	44.6	55.9	65.6	70.7	68.2	61.8	49.2	34.6	20.7	44.7
Crandon	12	11.6	16.1	25.9	41.0	52.5	63.3	66.8	63.6	57.8	44.7	28.8	16.6	40.7
Delavan	17	19.2	20.3	31.5	46.1	57.5	67.4	71.9	69.8	62.8	48.2	33.6	24.0	46.0
Florence	18	13.4	12.8	23.9	38.9	51.0	61.8	65.6	63.4	56.6	44.2	29.9	18.2	40.0
Fond du Lac	22	17.0	17.9	31.0	44.5	56.1	66.0	70.0	67.7	61.2	48.5	33.7	21.8	44.6
Green Bay	23	16.4	16.6	28.0	43.2	54.6	65.4	70.0	67.8	61.0	48.1	34.2	22.6	44.0
Lake Mills	19	18.4	18.8	32.1	45.7	57.0	66.6	71.2	69.2	62.4	49.7	34.7	22.7	45.7
Madison	31	16.9	18.7	30.4	45.6	57.6	67.3	72.0	69.8	62.3	50.0	35.1	22.8	45.8
Manitowoc	47	19.1	19.4	29.9	42.2	52.2	62.2	67.5	66.5	59.8	48.3	35.8	24.9	44.0
Milwaukee	39	20.5	22.3	31.4	43.3	53.6	63.6	70.0	68.9	62.0	50.2	35.8	25.4	45.6
New London	14	16.6	15.8	28.9	44.3	55.9	65.3	70.2	68.0	60.6	48.7	34.1	19.8	44.0
Oconto	19	17.1	17.6	29.2	43.1	54.1	64.4	69.0	67.3	60.8	48.5	34.3	22.6	44.0
Oshkosh	19	18.3	17.8	30.5	44.9	56.6	66.1	71.5	68.8	62.5	49.4	34.7	22.9	45.3
Pine River	15	16.7	16.1	29.3	44.5	56.6	65.1	70.0	68.1	61.1	48.8	34.1	20.7	44.3
Port Washington	16	20.2	19.5	31.4	43.1	52.7	62.6	68.4	67.8	61.2	49.4	36.1	23.7	44.7
Racine	13	23.7	21.9	34.4	44.7	55.0	64.4	71.2	70.6	64.3	52.5	39.7	25.4	47.3
Shawano	13	17.3	17.4	27.1	42.8	53.8	64.9	68.9	66.9	59.4	47.6	31.8	21.5	43.3
Sheboygan	12	21.3	19.3	33.0	42.7	52.5	62.8	69.5	70.0	62.0	50.5	38.3	25.6	45.5
Watertown	18	18.1	17.8	31.1	44.9	56.8	66.2	70.4	68.4	61.3	48.5	34.0	21.2	44.9
Waukesha	14	19.4	18.5	32.2	45.6	57.2	66.1	71.2	68.8	62.4	50.3	36.2	22.9	45.9
Waupaca	13	16.2	15.5	29.0	44.1	56.4	65.3	70.7	68.1	60.9	48.2	33.6	19.5	44.0

HIGHEST TEMPERATURES BY MONTHS (Fahrenheit).

Amherst	17	48	58	77	85	94	98	99	98	96	89	72	58	99
Appleton	10	47	49	68	84	85	95	98	94	94	81	69	56	98
Beloit	17	59	59	80	84	91	98	105	97	94	86	69	58	105
Brodhead	11	60	54	80	88	92	103	111	98	97	87	73	53	111
Chilton	15	54	60	74	85	92	97	100	97	97	85	70	59	100
Crandon	12	55	60	68	82	100	104	99	95	96	80	75	59	104
Delavan	17	59	58	79	88	90	96	100	101	97	89	69	62	101
Florence	18	55	60	63	82	96	98	97	92	91	80	80	59	98
Fond du Lac	23	54	56	75	87	91	96	102	100	96	89	68	57	102
Green Bay	23	51	59	74	84	91	96	99	98	95	84	69	51	99
Lake Mills	19	57	59	78	87	90	99	107	99	96	90	69	55	107
Madison	50	58	63	86	86	90	98	104	96	93	84	69	60	104
Manitowoc	57	55	56	70	87	92	97	100	99	96	84	69	60	100
Milwaukee	39	61	60	76	86	92	95	100	98	95	88	70	63	100
New London	14	52	50	73	87	90	99	100	97	97	85	71	53	100
Oconto	19	49	60	71	86	93	95	99	97	97	87	70	55	99
Oshkosh	19	53	60	74	86	92	98	98	98	94	82	75	58	98
Pine River	15	55	60	75	90	95	99	99	96	98	86	74	57	99
Port Washington	17	59	63	73	88	92	94	102	100	96	87	74	57	102
Racine	14	60	55	77	86	90	96	107	98	96	88	72	57	107
Shawano	14	51	61	66	87	94	96	98	97	98	86	69	53	98
Sheboygan	10	56	48	70	86	88	95	101	99	97	84	69	49	101
Watertown	18	57	60	76	85	89	96	104	97	94	87	71	54	104
Waukesha	14	54	55	74	88	89	97	102	97	95	86	69	52	102
Waupaca	14	51	53	72	86	91	102	100	96	95	85	68	50	102

DIRECTION OF PREVAILING WIND.

Green Bay	23	sw	sw	n	n	ne	s	s	se	s	s	s	sw	s
Madison	42	nw	nw	nw	s	s	sw	sw	s	s	s	nw	nw	nw
Milwaukee	39	w	w	nw	ne	n	n	sw	sw	sw	sw	w	w	w

AVERAGE HOURLY WIND VELOCITY (Miles).

Green Bay	23	9.2	9.7	9.7	10.3	9.9	7.7	7.6	7.3	8.6	9.1	9.8	8.9	9.0
Madison	42	10.3	11.1	11.4	11.7	10.4	8.6	8.2	8.1	9.7	10.7	11.5	11.0	10.2
Milwaukee	39	11.4	11.8	11.8	11.8	10.5	8.8	8.5	8.9	10.1	10.9	11.6	11.8	10.7

LOWEST TEMPERATURES BY MONTHS (Fahrenheit).

Stations.	Length record, years.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Amherst	17	−31	−48	−21	4	20	29	39	34	15	10	−15	−27	−48
Appleton	10	−28	−24	− 2	14	23	35	41	40	27	19	6	−21	−28
Beloit	17	−27	−24	− 4	18	27	36	45	42	23	13	− 4	−25	−27
Brodhead	11	−28	−31	− 3	15	24	35	40	41	20	15	− 4	−24	−31
Chilton	15	−29	−34	−11	10	23	32	42	39	25	6	− 5	−21	−34
Crandon	12	−35	−31	−22	−5	10	20	32	28	20	5	−15	−28	−35
Delavan	17	−28	−26	−20	15	22	30	40	40	24	2	− 8	−24	−28
Florence	18	−32	−39	−18	1	16	23	33	29	19	9	−10	−21	−39
Fond du Lac	23	−44	−30	−16	−5	23	31	40	35	22	8	−14	−27	−44
Green Bay	23	−36	−33	−23	11	26	34	43	40	25	8	−12	−21	−36
Lake Mills	19	−27	−24	− 4	14	24	32	41	41	24	10	− 3	−19	−27
Madison	50	−29	−28	−12	8	23	38	48	46	29	12	−14	−28	−29
Manitowoc	57	−32	−29	−13	8	18	33	38	39	26	11	−10	−24	−32
Milwaukee	39	−25	−24	− 8	12	25	38	47	42	25	15	−14	−22	−25
New London	14	−31	−37	−10	8	25	32	41	37	19	14	−14	−24	−37
Oconto	19	−2[illegible]	−30	−11	11	22	31	38	36	22	13	− 2	−18	−30
Oshkosh	19	−31	−33	−16	5	25	36	44	41	30	17	− 3	−23	−33
Pine River	15	−32	−35	−12	11	22	30	42	37	19	5	− 8	−25	−35
Port Washington	17	−31	−29	− 8	9	24	34	42	39	27	15	− 3	−22	−31
Racine	14	−24	−21	0	10	29	37	45	46	28	22	− 3	−17	−24
Shawano	14	−31	−39	−15	2	21	28	33	35	21	7	− 7	−21	−39
Sheboygan	10	−25	−19	− 2	15	28	38	48	44	28	21	9	−16	−25
Watertown	18	−30	−2[illegible]	− 5	11	22	30	42	38	20	13	− 7	−22	−30
Waukesha	14	−27	−26	− 4	12	27	35	42	44	28	20	0	−17	−27
Waupaca	14	−38	−38	−16	7	20	30	42	36	18	11	−13	−24	−38

AVERAGE NO. OF DAYS WITH 0.01 INCH OR MORE OF PRECIPITATION.

Amherst	16	5	5	7	7	9	9	9	8	6	6	5	5	81
Appleton	10	8	8	9	10	11	9	11	10	9	7	8	8	108
Beloit	17	6	5	6	7	9	7	8	5	7	5	6	6	77
Brodhead	11	5	5	8	8	12	10	9	9	9	7	6	6	94
Chilton	15	8	7	10	9	11	9	9	8	8	7	7	8	101
Crandon	11	6	4	6	6	7	7	7	6	6	5	5	5	70
Delavan	13	6	5	6	8	10	9	8	6	7	5	6	5	81
Florence	17	4	4	6	7	8	9	9	7	8	7	5	4	78
Fond du Lac	17	6	5	8	9	11	9	9	8	8	7	7	6	93
Green Bay	23	11	10	10	11	11	11	11	10	10	9	9	11	124
Lake Mills	17	9	8	10	10	12	10	9	9	9	8	8	9	111
Madison	31	9	8	9	10	12	11	10	9	9	8	8	9	111
Manitowoc	17	8	6	8	9	11	9	9	8	8	7	8	7	98
Milwaukee	39	12	10	12	11	12	11	10	9	10	9	10	12	128
New London	14	4	4	6	7	9	9	9	8	7	6	6	5	80
Oconto	18	6	6	7	9	11	10	9	8	9	8	7	6	96
Oshkosh	16	5	3	5	6	8	8	8	6	7	5	5	5	71
Pine River	15	7	6	8	7	10	10	10	9	8	6	6	7	94
Port Washington	16	5	5	8	7	10	8	7	6	7	6	5	6	80
Racine	14	6	6	8	8	10	9	7	8	9	6	6	6	89
Shawano	13	5	5	8	8	10	9	8	8	8	7	6	6	88
Sheboygan	10	6	5	8	7	11	10	10	9	8	7	6	7	94
Watertown	18	7	6	9	9	12	10	10	8	7	7	7	8	100
Waukesha	16	7	6	10	10	11	9	9	9	8	7	8	7	101
Waupaca	14	5	5	7	7	11	10	8	8	9	7	6	5	88

FROST DATA.

Stations.	Length record, years.	Average date of—		Date of—	
		First killing frost in autumn.	Last killing frost in spring.	Earliest killing frost in autumn.	Latest killing frost in spring.
Amherst	18	Septemb. 27	May 22	Septemb. 6	June 12
Appleton	11	October 1	do 6	do 5	do 12
Beloit	17	do 18	April 16	do 20	May 20
Brodhead	11	do 17	do 17	do 18	do 20
Chilton	15	do 3	May 8	do 20	June 12
Crandon	12	Septemb. 14	June 3	August 12	do 15
Delavan	17	October 16	April 20	Septemb. 22	May 31
Florence	18	Septemb. 13	June 2	August 19	June 18
Fond du Lac	22	October 2	May 5	Septemb. 12	do 12
Green Bay	23	do 3	do 3	do 16	May 30
Lake Mills	19	do 15	April 23	do 20	June 12
Madison	31	do 18	do 22	do 29	May 13
Manitowoc	47	do 10	May 9	do 24	do 31
Milwaukee	39	do 7	April 28	do 25	do 29
New London	14	Septemb. 27	May 14	do 14	June 12
Oconto	19	October 2	do 10	do 10	do 12
Oshkosh	19	Septemb. 30	do 7	do 9	May 31
Pine River	15	do 28	do 13	do 1	June 12
Port Washington	16	October 12	do 6	do 25	May 31
Racine	13	do 13	April 28	do 30	do 31
Shawano	13	Septemb. 26	May 14	do 1	June 5
Sheboygan	12	October 11	do 8	do 28	May 11
Watertown	18	do 11	April 27	do 19	do 31
Waukesha	14	do 12	do 28	do 24	do 31
Waupaca	13	Septemb. 27	May 20	do 19	June 12

HYDROGRAPHIC DATA FOR SECTION 60.

Summary of Climatological Data for the United States.

Compiled from the records of the United States Geological Survey,
By R. H. BOLSTER, Assistant Engineer.

PRELIMINARY NOTE: Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, U. S. Geological Survey, Washington, D. C.

This section lying in the easterly half of the State of Wisconsin comprises, in the main, drainages into Lake Michigan; also in the northern portion, it contains the headwaters of the Rock River drainage.

The Menominee River is formed by the junction of the Michigamme and Brule rivers, and for its entire length of about 104 miles forms the boundary between Wisconsin and Michigan. It flows in a general southeasterly direction, entering Green Bay at Marinette.

The Menominee drainage basin is narrow in its lower portion, but widens as the stream is ascended, the river receiving important branches near its source. Its total drainage area is about 4,000 square miles, of which 1,450 square miles are in Wisconsin.

Like the Chippewa River, it has a main arm to the north, Michigamme River, which is nearly as long as the main river, its source in fact being within 12 miles of Lake Superior. This has an important bearing on the discharge of the Menominee, because it secures the large run-off due to the heavy precipitation of that region, as well as the steadying effect of the enlarged drainage. The combined drainage area of the Brule and Michigamme rivers amounts to 1,769 square miles, nearly one-half that of the entire river system.

From its head at the junction of the Brule and Michigamme rivers, to its mouth, a distance of about 104 miles, the river descends about 700 feet. In addition to this, its Wisconsin tributaries descend about 300 feet, and those in Michigan 470 feet. The opportunities for water power are numerous, because of the frequent concentrations of descent in rapids along the entire course of the river.

The topography of the country through which Menominee River flows can not be described as mountainous, but many high ridges give diversity to the surface. The Wisconsin branches, the Pine and Brule rivers, rise side by side with the Flambeau and the Wisconsin in a high, flat plateau, abounding in lakes and swamps. In many cases the rivers head in lakes but a few rods apart, or even in the same swamp. These lakes and swamps have an elevation of nearly 1,600 feet above sea level, or 1,000 feet above Lake Michigan. The Michigan branches flow from a similar though even higher region, and it is certain that these swamps and lake reservoirs exert a marked influence in steadying the discharge of the river.

Lumbering operations on the Menominee River, although declining since 1892, are still active. The operation of many logging dams must have a great effect on the regimen of the river. In a few years the lumber will be so nearly removed that it will be cheaper to carry the logs by railroad. Then the dams can be used to augment the low-water flow. This will greatly enhance the value of the water powers.

Lake Winnebago, the largest inland lake in Wisconsin, divides Fox River into two radically different sections, the upper and the lower Fox. The upper river approaches from the southeast to within about a mile of the Wisconsin River at Portage, then turns to the northeast on its course to Lake Winnebago. It winds, with low banks, through broad savannas having only a gentle slope, passing a total distance of 25 miles through three long lakes before reaching Lake Winnebago.

Fox River descends only 35.3 feet in the 106.8 miles between Portage and Lake Winnebago—an average fall of less than 0.5 foot to the mile.

Fox River has been improved for navigation by the Federal Government along this entire distance by the building of ten locks, but the slight fall gives few opportunities for water power.

The three principal tributaries of the upper Fox have a fall of about 250 feet—much greater than that of the main river; they are all found on the north side. These branches, Montello, Mecan, and White rivers, start as clear, steady springs, running from the sand ridges of the drift covering that portion of the basin. They are each about 20 miles long, and would be unimportant except for the fact that their fall, combined with their steadiness of flow, makes them of considerable prospective value.

East of Wolf River Valley is the more prominent, though similar, valley of Green Bay and Lake Winnebago. In pre-glacial time it must have been much smaller in size, having been excavated to its present great size by the glacier. Lake Winnebago alone covers about 200 square miles,

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Note: Descriptive matter and portions of the discharge data compiled from "Water Powers of Wisconsin," Wisconsin Geological and Natural History Survey, by Leonard S. Smith.

while the area of the connecting valley below (lower Fox River) is 400 square miles.

Unlike many other northern rivers, the lower Fox is rarely troubled with ice gorges, because the ice on Lake Winnebago melts gradually. It is stated that trouble is sometimes experienced from anchor ice forming on the rapids in exceptionally cold weather, but this is largely prevented by the system of slack-water navigation.

The absence of great freshets prevents backwater and allows the construction of the mills out into the stream, as well as connecting sidetracks on short trestles only a few feet above the water, with perfect safety. The bed of the river in nearly all cases is in hard limestone. Excellent quarries of fine building stone have been opened for use in both the Government and private improvements of the river.

No other river system in Wisconsin has so large a proportion of its total descent concentrated in its lower reaches as has the Fox. Between Lake Winnebago and Green Bay the river descends a total of 166.7 feet in a series of eight rapids. The total drainage area of the river is 6,449 square miles, of which area 6,046 square miles, or 94 per cent., are included above the outlet of Lake Winnebago. These two facts—the large concentration of fall in the lower river and the location of 94 per cent of its drainage area above this concentration—have the effect of producing extensive and valuable water powers.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: First, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month which has been observed during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile, on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

MONTHLY DISCHARGE OF MENOMINEE RIVER, IRON MOUNTAIN, WIS.
For April-November, 1906-1908, except October and November, 1906.
[Drainage area, 2,420 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
April	15,100	1,700	4,790	1.980	2.21
May	15,000	1,740	6,490	2.680	3.09
June	10,700	895	3,470	1.430	1.60
July	7,890	1,060	2,570	1.060	1.22
August	7,630	1,000	2,120	0.876	1.01
September	10,600	700	2,730	1.130	1.26
October	6,720	1,000	2,240	0.926	1.07
November	3,670	950	1,700	0.702	0.78

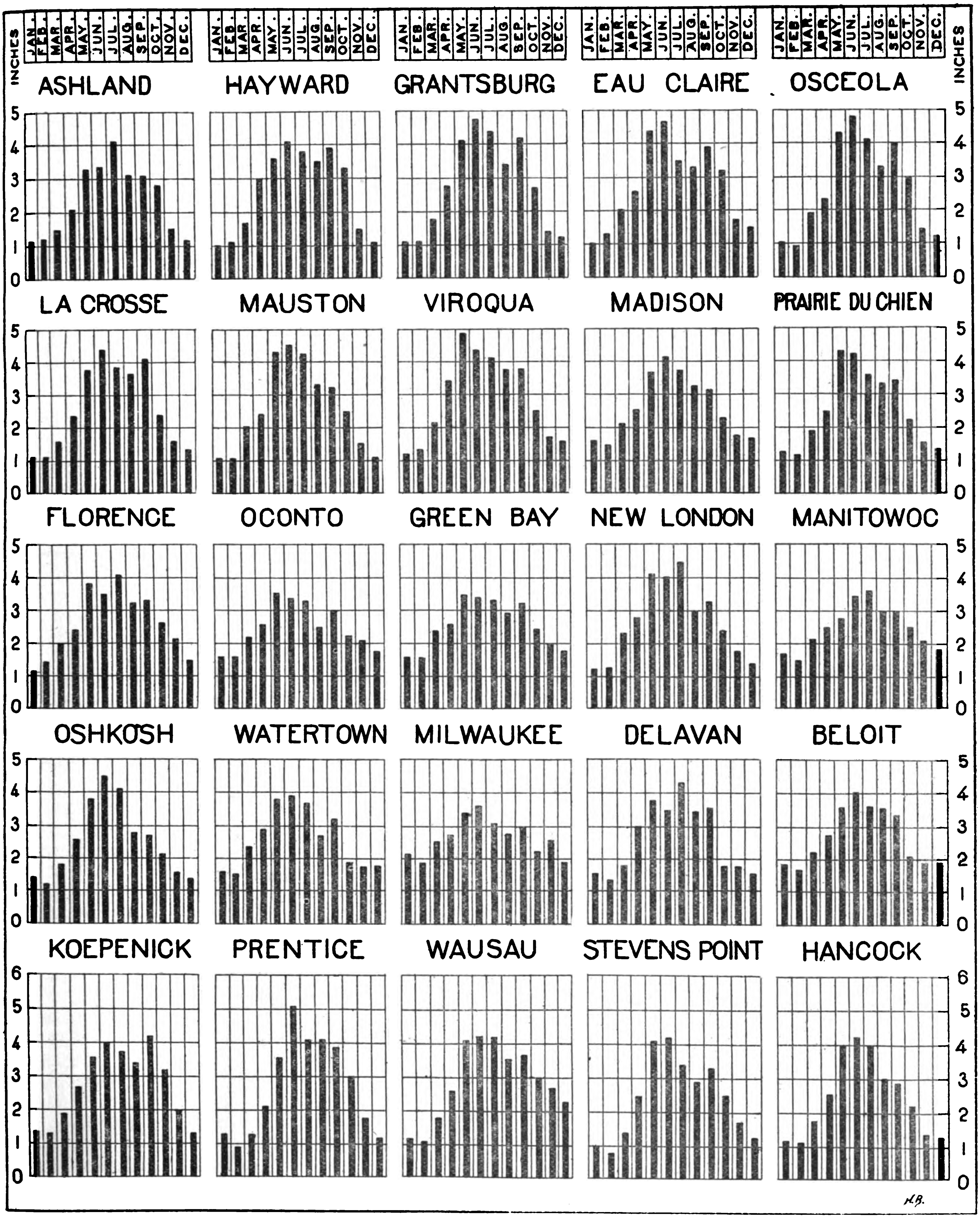
MONTHLY DISCHARGE OF FOX RIVER, RAPIDE CROCHE DAM, WIS.
For 1898-1907.
[Drainage area, 6,200 square miles.]

January	7,010	765	3,110	0.502	0.58
February	7,690	696	3,250	0.524	0.55
March	9,900	995	3,430	0.553	0.64
April	15,900	947	6,800	1.100	1.23
May	14,300	1,380	5,940	0.958	1.10
June	15,400	258	5,500	0.887	0.99
July	12,000	131	3,780	0.610	0.70
August	5,170	791	2,780	0.448	0.52
September	5,520	442	2,170	0.350	0.39
October	8,040	383	2,850	0.460	0.53
November	9,600	613	3,490	0.563	0.63
December	8,220	105	3,100	0.500	0.58
The period	15,900	105	3,850	0.621	8.44

MONTHLY DISCHARGE OF OCONTO RIVER, GILLETTE, WIS.
For July-November, 1906, and April-November, 1907–1908.
[Drainage area, 814 (a) square miles.]

April	2,550	515	1,100	1.350	1.51
May	2,630	247	1,340	1.650	1.90
June	2,320	95	710	0.872	0.97
July	1,600	161	586	0.720	0.83
August	1,080	105	351	0.431	0.50
September	1,600	188	512	0.629	0.70
October	1,370	137	501	0.615	0.71
November	1,870	209	599	0.736	0.82

(a) Drainage area approximate and subject to review.



DIAGRAMS SHOWING THE COMPARATIVE MONTHLY DISTRIBUTION OF PRECIPITATION.

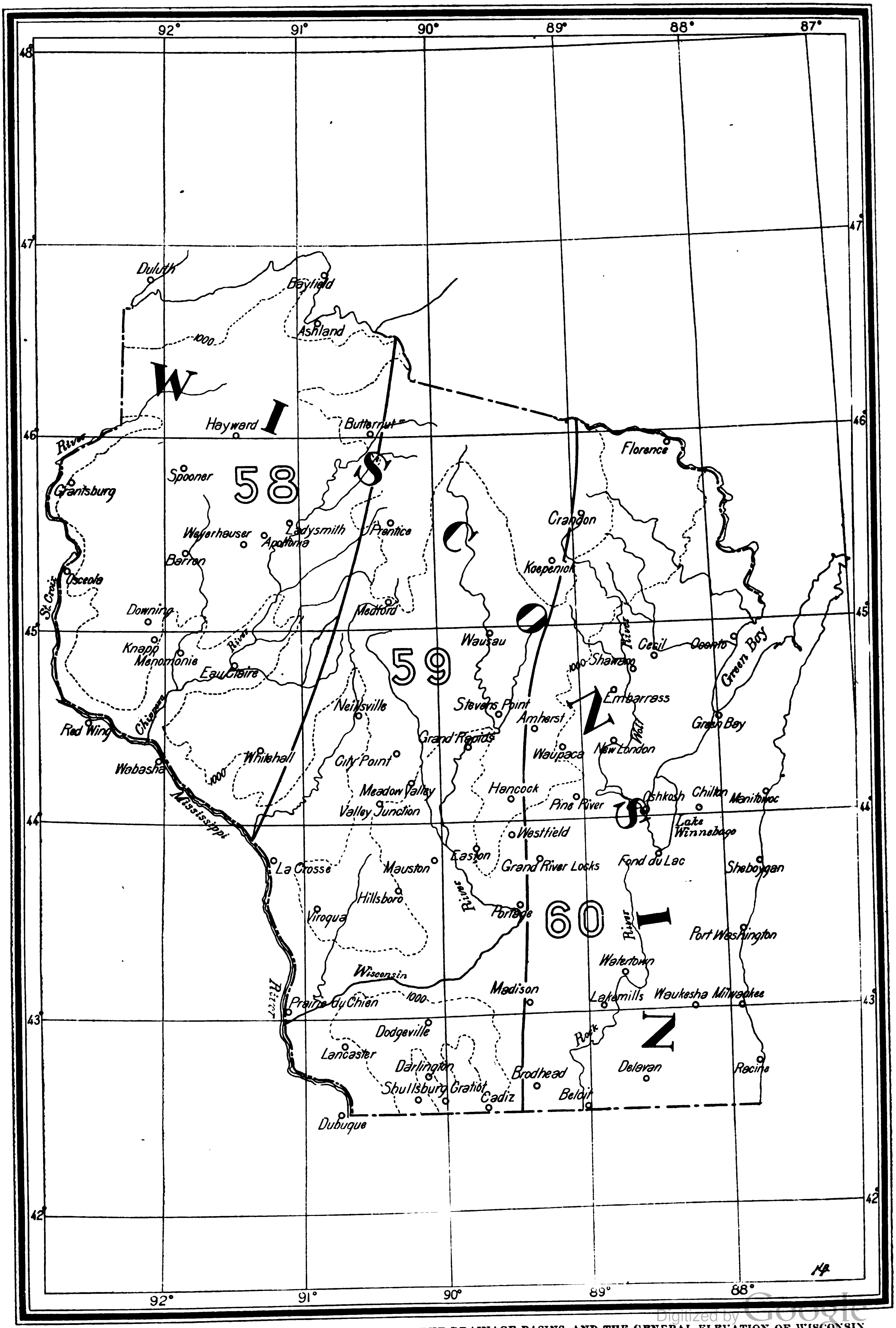


CHART SHOWING THE PRINCIPAL POINTS OF OBSERVATION, THE DRAINAGE BASINS, AND THE GENERAL ELEVATION OF WISCONSIN.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, in Charge.

SECTION 61.—UPPER PENINSULA OF MICHIGAN.

This section, which comprises the Upper Peninsula of Michigan, includes 16,858 square miles. The population is unevenly distributed, but as a rule is densest in the western half, where about two-thirds of the entire population is to be found. There are large areas in Luce and Schoolcraft Counties covered with virgin forest, where it is possible to travel miles without seeing a human habitation.

An elevated area, 1500 feet or more above sea level, covers parts of Gogebic, Iron and Marquette Counties. The descent to lake level is abrupt in Marquette County and in the western part of Gogebic and Ontonagon Counties. Toward the southeast the slope is more gradual. In the eastern half of the Peninsula the elevation of the interior part ranges from 700 to 800 feet above sea level, or 100 to 200 feet above the level of the surrounding lakes.

The drainage is almost entirely into Lakes Michigan and Superior, only a small area lying in Chippewa and Mackinac Counties draining into Lake Huron. The largest rivers tributary to Lake Superior are the Ontonagon in the western part and the Taquamenon in the eastern part. The Menominee, forming part of the Wisconsin boundary, the Escanaba and the Manistique are the principal rivers draining into Lake Michigan. Beside the rivers mentioned there are numerous smaller rivers and coastal streams, many of which are only a few miles in length, that flow directly into the lakes.

This section was originally covered with heavy forests of pine, the greater part of which has now fallen beneath the axe of the lumberman. The eastern end of the Peninsula contains much swampy land, the black soil of which, when properly drained, is very fertile. In the middle portion, Delta County and parts of adjacent counties, the surface is rolling and the soil well suited to general farming. Farther west are found the iron and copper mining regions extending from Dickinson, Iron and eastern Ontonagon Counties into the Keweenaw Peninsula. The surface of this portion is rough and rocky and contains numerous elevated points, some of which are 1800 to 2000 feet above sea level. Still farther west, in portions of Houghton, Ontonagon and Gogebic Counties, there is a considerable area of fertile agricultural land.

The water powers of this section have been but little developed. Perhaps the greatest single power possibility is to be found on the Taquamenon River, where there are two sets of falls, the upper having a sheer drop of forty-five feet. The lower falls are about seven miles below and separated from the upper falls by rapids having a fall of eight feet in three-fourths of a mile, while the lower falls themselves, a double cascade, have a fall of twenty feet.

The climate is characterized by frequent changes in weather conditions as might be expected from the fact that this section lies in a region subject to the influence of storms and high pressure areas that move eastward across the Lake Region.

The mean temperature ranges from 38° or less on the higher elevations to 43° in the extreme southern portion. The temperature conditions are considerably affected by the proximity of the Lakes. As a rule, the range between the mean summer and mean winter temperatures is three to five degrees less for stations on the shore than for those in the interior. The most severe winter weather occurs in the more elevated regions in the western portion, the mean winter temperature in that section being four to five degrees below that of stations of lesser elevation and nearer the Lake shore. February is the coldest month, averaging from one to four degrees colder than January, and July is the warmest month.

The annual precipitation averages from thirty to thirty-five inches over most of this section, although it is between twenty-five and thirty inches over considerable areas in the western part. The distribution of precipitation throughout the year is fairly uniform, but considerably more falls during the six months from May to October, inclusive, than during the remainder of the year.

The annual snowfall is very heavy, 100 inches or more, in the Keweenaw Peninsula and in a narrow strip of territory, perhaps ten or more miles in width, along the Lake Superior shore eastward nearly to Whitefish Point. It decreases toward the south and is only about 40 inches annually at Menominee in the extreme southern point. The heaviest snowfall occurs during December, January and February. Considerable snowfall sometimes occurs during May and September, and amounts too small to measure or snow that melts as it falls is not infrequent during those months.

The average date of the last killing frost in spring is from May 8 to May 17 for localities having a Lake exposure and ranges from the latter date to June 11 for interior points. Killing frost has occured at Chatam as late as June 28 and at Escanaba July 9. The average date of the first killing frost in the autumn ranges from September 1 to 5 in the high lands of the western portion to October 2 to 10 for Lake stations. However, killing frost has occurred at Escanaba as early as July 21 and at several stations during August, and in fact is not infrequent in the more exposed localities during the latter month.

The following precipitation tables contain the data for stations having the longest and most complete records. In some cases it has seemed desirable to estimate missing data. In such cases, the conditions prevailing in that district, as shown by the records of surrounding stations, have been carefully considered and the missing data interpolated. Such data are printed in bold-face type.

C. F. SCHNEIDER, Section Director.

Precipitation in Upper Peninsula of Michigan. Monthly, annual, and average amounts (in inches and hundredths).

[Figures in bold-face type estimated from surrounding stations].

CALUMET, HOUGHTON COUNTY. Elevation, 1246 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	......	......	......	......	......	......	4.51	1.93	0.87	3.36	2.46	2.33	......
1888..	1.75	1.35	1.34	1.22	1.93	5.03	0.87	2.03	1.84	3.48	2.17	0.58	23.59
1889..	2.83	1.94	0.53	4.26	2.06	2.07	3.09	4.44	3.86	0.37	1.68	4.06	31.19
1890..	3.66	2.11	0.96	1.85	2.11	4.78	2.25	2.35	2.81	2.42	1.24	0.83	27.37
1891..	1.33	2.23	1.77	0.92	0.42	1.15	1.05	2.98	2.91	3.78	3.30	2.90	24.74
1892..	3.09	1.09	1.10	1.25	3.19	1.55	1.96	3.30	1.87	4.36	2.71	2.52	27.99
1893..	1.56	1.12	2.29	2.82	1.77	1.37	2.79	1.37	1.95	3.34	2.50	3.10	25.98
1894..	2.48	0.96	3.36	2.81	4.49	1.07	2.96	1.48	2.71	4.75	3.48	1.87	32.42
1895..	5.48	0.86	0.48	2.28	4.35	2.70	0.79	2.54	10.36	0.84	1.26	4.88	36.82
1896..	2.33	1.26	0.78	4.02	6.35	1.77	1.76	4.75	1.27	3.37	5.66	1.40	34.72
1897..	3.01	1.62	1.39	2.29	3.67	2.53	3.80	1.94	1.52	2.77	1.18	2.92	28.64
1898..	1.56	2.30	1.32	0.81	3.11	6.43	2.60	3.62	2.87	4.70	2.57	3.07	34.96
1899..	2.61	1.34	1.08	2.49	7.52	6.80	2.76	4.33	3.08	1.75	0.67	4.85	39.28
1900..	1.84	1.58	1.04	2.65	1.15	3.54	4.43	4.67	12.85	2.12	1.98	2.77	40.62
1901..	2.45	1.20	2.32	1.10	1.09	6.93	4.71	2.86	2.55	2.29	1.33	2.48	31.31
1902..	3.44	1.97	1.65	2.44	3.07	3.30	2.50	1.76	3.69	3.14	3.87	4.16	34.99
1903..	2.20	2.45	2.84	1.98	5.77	1.27	2.89	2.79	3.17	4.84	4.19	4.12	38.51
1904..	2.68	0.88	2.04	1.35	2.22	1.90	1.95	2.82	5.06	5.75	1.46	4.36	32.47
1905..	2.96	1.12	2.26	1.30	3.34	5.44	2.93	1.01	5.86	3.89	2.82	2.48	35.41
1906..	1.78	2.20	2.04	0.74	3.00	4.04	1.83	4.88	2.69	3.91	4.21	3.24	34.56
1907..	3.19	0.80	2.51	3.35	4.08	1.50	1.34	2.76	4.75	1.91	2.93	1.56	30.68
1908..	1.52	2.22	1.64	2.41	5.39	3.78	2.77	0.47	4.01	0.99	4.58	2.34	32.12
Mean	2.56	1.55	1.65	2.11	3.34	3.28	2.57	2.78	3.75	3.10	2.65	2.86	32.20

CHATHAM, ALGER COUNTY. Elevation, 875 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	......	......	......	......	......	......	......	3.12	8.83	1.94	3.46	3.25	......
1901..	2.40	0.45	2.75	1.64	3.72	4.00	5.23	1.67	5.22	5.44	4.53	4.93	41.98
1902..	2.16	3.12	1.04	3.96	2.11	3.32	3.53	3.42	2.21	3.70	3.66	2.55	34.78
1903..	2.45	2.45	1.82	1.84	4.12	1.71	6.64	5.93	3.34	3.54	3.29	1.99	39.12
1904..	2.02	2.54	2.27	0.49	6.34	3.31	2.28	3.07	4.32	1.29	0.98	3.56	32.47
1905..	2.39	1.77	1.11	1.55	3.51	4.15	3.17	2.44	3.73	2.75	3.32	3.53	33.42
1906..	2.65	1.71	1.68	0.83	1.63	4.38	1.66	4.13	2.77	4.04	2.64	2.56	30.68
1907..	3.73	1.20	1.27	2.62	1.73	0.61	1.10	4.06	5.86	2.48	3.25	1.38	29.29
1908..	1.63	2.06	2.38	2.13	3.48	2.64	4.37	0.86	3.61	0.78	1.84	1.86	27.64
Mean	2.43	1.91	1.79	1.88	3.33	3.02	3.50	3.19	4.43	2.88	3.00	2.84	34.20

DEER PARK, LUCE COUNTY. Elevation, 610 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	......	......	......	......	......	......	2.72	5.73	7.18	2.32	2.63	0.74	......
1901..	0.58	1.19	3.85	0.93	1.38	3.47	3.81	3.03	2.29	6.54	3.57	5.68	36.32
1902..	3.09	4.15	0.64	2.21	1.85	4.05	1.99	**2.32**	1.86	2.25	2.93	5.00	32.34
1903..	2.94	3.50	2.83	1.44	3.45	1.71	4.49	2.54	2.50	2.46	2.70	2.65	33.21
1904..	**1.93**	2.40	1.49	1.40	8.44	1.58	2.21	2.79	5.65	3.25	1.59	3.15	35.88
1905..	2.85	2.66	1.80	0.95	10.50	1.91	2.73	2.40	3.45	1.58	0.95	1.90	33.68
1906..	......	......	......	0.98	2.72	......	......	1.50	1.70	1.89	2.18	1.15	......
1907..	4.37	1.85	1.05	0.72	3.50	0.40	2.15	3.56	2.58	1.61	3.30	1.41	26.50
1908..	1.25	3.48	1.85	1.31	1.67	2.22	1.28	1.75	1.30	**0.83**	1.61	2.06	20.61
Mean	2.43	2.75	1.93	1.24	4.19	2.19	2.67	2.85	3.17	2.53	2.38	2.64	30.97

ESCANABA, DELTA COUNTY. Elevation, 612 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871..	......	......	......	......	......	3.46	3.19	1.83	1.29	3.09	1.94	1.41	......
1872..	0.90	1.19	1.24	1.50	7.21	2.45	7.11	2.87	3.98	0.47	3.18	0.50	32.60
1873..	0.56	0.36	1.89	0.35	2.93	4.98	3.33	1.87	5.37	3.37	0.65	1.30	27.06
1874..	0.50	0.56	0.54	0.47	3.95	5.63	3.58	3.74	3.94	3.27	4.44	0.50	31.12
1875..	0.62	1.82	3.95	2.08	3.71	2.99	1.91	12.06	5.01	5.28	2.52	1.88	43.83
1876..	2.84	1.69	3.48	4.65	6.07	6.33	5.05	3.43	2.24	3.43	2.70	0.57	42.48
1877..	0.65	0.30	1.03	1.40	0.63	5.55	2.66	5.19	2.70	7.19	3.78	3.53	34.61
1878..	0.31	0.89	0.78	5.13	3.99	6.49	1.56	2.28	6.15	4.17	0.75	0.23	32.73
1879..	0.35	1.93	2.11	0.45	2.78	4.39	4.89	3.52	2.75	1.91	2.76	2.92	30.76
1880..	3.42	1.04	1.95	1.86	2.29	4.83	2.80	3.38	2.84	1.14	2.39	2.23	30.17
1881..	1.91	2.10	1.09	0.44	7.91	6.21	1.10	6.87	9.48	6.13	3.72	1.53	48.49
1882..	2.60	2.30	2.73	1.30	4.94	6.15	3.28	4.59	4.07	4.41	2.16	1.54	40.07
1883..	1.29	1.27	0.33	1.69	1.96	5.43	4.74	1.17	2.92	3.93	3.62	1.67	30.02
1884..	0.55	2.75	1.10	2.60	2.69	2.52	3.01	4.71	8.77	7.97	2.14	4.34	43.15
1885..	1.34	0.93	2.23	3.16	3.61	1.94	2.14	5.25	1.69	2.35	3.41	3.37	31.42
1886..	4.80	1.84	3.15	2.28	1.53	2.21	1.92	4.38	4.06	3.03	2.26	0.91	32.36
1887..	1.15	1.41	0.31	2.65	0.73	2.27	4.14	1.44	1.13	3.07	0.98	3.73	23.01
1888..	1.76	1.45	2.55	2.80	3.53	0.89	1.96	1.87	3.98	2.01	0.86	2.23	25.89
1889..	1.54	1.67	0.48	1.86	2.55	5.98	2.36	2.70	2.68	1.10	1.04	2.81	26.77
1890..	2.95	1.99	2.00	1.35	3.41	4.14	3.70	4.21	3.42	1.42	0.81	0.59	30.02
1891..	1.43	2.02	2.83	1.85	0.19	0.94	2.59	4.81	1.15	1.32	2.31	3.36	24.83
1892..	1.81	2.30	1.35	3.10	4.29	3.03	4.06	4.09	1.34	3.36	2.98	1.05	32.76
1893..	1.90	2.94	2.06	2.98	3.28	1.23	2.83	1.54	1.08	2.68	1.46	2.28	20.26
1894..	2.12	0.43	2.22	1.44	2.98	4.58	......	......	......	......	......	......	......
1895..	1.99	2.00	......	0.57	7.73	......	0.44	3.63	8.73	......	......	......	......
1896..	......	......	......	......	......	......	......	5.06	2.84	3.57	3.41	1.05	......
1897..	2.95	1.22	2.74	2.35	1.92	3.76	2.78	2.24	2.00	3.76	1.50	1.33	28.55
1898..	0.52	1.82	2.80	2.51	3.67	3.82	2.09	4.65	2.06	4.35	1.39	0.43	30.11
1899..	1.48	1.03	2.22	3.26	4.05	3.98	1.63	2.42	2.89	1.17	0.09	1.04	25.26
1900..	0.67	1.28	0.47	2.22	1.65	1.45	4.52	2.99	5.82	3.51	1.52	0.76	26.86
1901..	0.71	0.36	3.35	0.90	2.26	3.17	7.45	3.24	2.15	3.82	1.84	0.69	29.97
1902..	0.56	1.61	0.88	2.11	3.08	2.56	2.31	1.37	1.62	2.07	2.66	1.38	22.21
1903..	1.01	0.70	2.70	1.69	3.41	1.13	7.85	4.97	4.73	1.75	1.76	0.88	32.58
1904..	0.46	1.43	2.90	2.02	6.62	1.15	4.52	2.17	4.73	3.56	0.55	1.59	31.70
1905..	1.55	1.20	2.64	2.00	3.07	5.21	4.39	1.84	2.21	3.19	2.49	1.63	31.42
1906..	3.42	0.71	2.84	1.51	1.67	2.85	2.02	3.11	3.49	2.95	4.85	2.28	31.70
1907..	1.99	0.63	2.07	2.17	2.05	1.85	2.93	3.48	3.34	0.88	1.50	1.41	24.30
1908..	0.77	2.38	2.99	2.98	3.01	1.84	3.80	1.06	1.68	0.89	1.65	0.88	23.93
Mean	1.54	1.41	1.97	2.04	3.37	3.53	3.32	3.51	3.52	3.10	2.17	1.66	31.14

EAGLE HARBOR, KEWEENAW COUNTY. Elevation, 622 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899..	......	......	......	......	4.60	5.10	2.57	4.19	2.86	1.68	0.42	5.28	......
1900..	2.17	3.30	1.00	2.39	1.16	2.92	3.83	4.14	10.00	1.48	2.13	0.87	35.39
1901..	1.60	1.20	0.68	2.39	2.40	5.07	3.36	1.51	2.59	2.67	0.97	1.70	26.14
1902..	1.87	......	1.20	2.17	3.88	3.65	1.47	2.02	2.27	2.19	3.93	2.16	......
1903..	0.21	2.30	1.13	2.18	5.44	1.07	2.51	2.55	1.01	3.59	......	......	......
1904..	......	......	......	......	3.62	1.50	2.15	3.35	5.15	4.80	0.85	4.57	......
1905..	3.73	1.00	2.55	1.04	2.74	3.56	2.77	0.88	4.57	3.62	2.45	1.47	30.38
1906..	1.58	3.25	1.56	0.89	2.56	4.73	0.97	5.81	2.27	2.70	5.08	......	......
1907..	3.89	1.36	2.83	3.61	3.92	1.32	0.67	3.57	2.93	1.33	2.42	......	......
1908..	1.29	2.71	2.45	2.48	5.06	4.05	1.67	1.26	3.66	1.01	3.87	......	......
Mean	2.04	2.16	1.68	2.14	3.54	3.30	2.20	2.93	3.73	2.51	2.46	2.68	31.37

GRAND MARAIS, ALGER COUNTY. Elevation, 610 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	......	......	......	......	......	1.43	4.39	3.45	......	......	......	......	......
1901..	......	......	......	0.98	1.87	3.72	4.62	2.42	2.05	5.59	......	......	......
1902..	......	......	......	......	......	4.03	2.46	2.29	2.09	2.08	3.53	3.56	......
1903..	2.81	1.85	2.07	2.48	2.87	2.56	4.72	3.43	2.26	2.25	2.09	2.31	31.70
1904.	2.75	2.40	1.94	2.38	4.87	3.66	1.97	1.95	5.22	4.76	0.76	3.51	36.17
1905..	2.09	1.40	3.05	0.65	2.66	3.23	2.77	3.34	0.76	3.95	2.03	2.12	28.05
1906..	2.60	1.91	2.70	1.47	2.51	4.26	1.46	2.08	1.81	2.19	4.17	3.27	30.43
1907..	4.84	1.75	1.16	3.30	3.85	0.72	1.57	2.48	2.93	1.81	2.75	0.80	27.96
1908..	1.15	**2.76**	1.70	3.43	2.97	2.75	2.20	1.20	3.10	0.65	1.93	**1.94**	25.78
Mean	2.71	2.01	2.10	2.10	3.09	2.93	2.91	2.52	2.53	2.91	2.47	2.50	30.78

HOUGHTON, HOUGHTON COUNTY. Elevation, 668 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	......	......	......	......	......	......	......	......	9.22	1.61	2.73	2.03	......
1901..	2.67	1.00	3.10	1.01	1.39	4.32	4.54	2.60	2.00	2.40	2.65	1.93	29.61
1902..	1.90	1.34	1.47	2.48	2.92	2.25	2.74	1.82	2.59	2.57	3.18	4.60	29.86
1903..	2.54	1.74	3.27	3.70	4.85	0.60	4.66	2.03	3.03	3.52	5.17	4.06	39.17
1904..	4.16	2.37	3.91	1.58	2.57	2.37	1.97	2.34	4.18	5.69	2.06	3.29	36.49
1905..	2.78	1.19	2.03	1.97	2.85	5.40	3.85	0.91	5.84	4.08	3.75	2.40	37.11
1906..	2.42	1.69	1.69	1.00	3.05	3.56	1.27	4.62	2.31	3.68	4.75	2.54	32.58
1907..	2.82	0.81	3.28	3.88	3.52	2.03	1.00	2.65	5.39	1.80	2.47	0.70	30.35
1908..	0.95	1.93	1.63	2.94	4.84	3.52	3.30	1.00	4.56	1.11	2.74	1.33	29.85
Mean	2.53	1.51	2.55	2.32	3.25	3.01	2.92	2.25	4.35	2.94	3.28	2.55	33.46

HUMBOLT, MARQUETE COUNTY. Elevation, 1536 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	......	......	......	......	......	......	......	......	......	......	1.78	......
1897..	1.15	1.13	1.17	0.93	2.32	2.25	3.10	1.60	2.24	2.97	1.19	0.76	20.81
1898..	0.73	2.15	0.81	0.62	3.33	4.89	0.76	0.77	2.79	1.88	1.61	1.08	21.42
1899..	1.95	0.70	2.46	4.09	3.38	4.45	2.86	5.88	5.31	4.06	0.14	1.28	36.56
1900..	0.28	0.44	0.33	1.85	2.17	2.29	6.58	4.04	8.48	3.08	0.20	0.45	30.19
1901..	0.93	0.10	1.01	2.55	3.18	3.56	5.25	1.46	4.33	2.09	1.37	0.20	26.03
1902..	1.05	0.85	0.45	0.72	2.29	4.61	3.95	0.30	1.37	1.76	2.01	0.97	20.33
1903..	0.50	0.10	0.35	0.70	2.33	......	......	......	......	......	1.60	1.10	......
1904..	1.30	0.60	2.30	......	......	......	......	......	......	......	1.20	......	......
1905..	1.65	0.20	......	1.00	2.30	2.05	0.56	......	2.75	3.15	2.60	1.90	......
1906..	3.30	1.00	2.70	0.95	3.60	3.55	1.40	1.75	1.45	3.55	3.95	1.10	28.30
1907..	0.65	0.85	1.00	3.40	2.45	1.00	2.00	3.50	4.75	2.25	1.45	0.40	23.70
1908..	1.80	3.50	1.10	2.47	3.55	2.98	......	......	4.72	0.20	......	......	......
Mean	1.27	0.97	1.24	1.75	2.81	3.16	2.94	2.41	3.82	2.50	1.57	1.00	25.44

IRON MOUNTAIN, DICKINSON COUNTY. Elevation, 1111 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899..	......	1.24	2.98	4.63	3.95	4.25	2.80	3.97	2.48	2.98	0.10	1.57	......
1900.	0.40	1.40	0.79	3.18	2.80	......	......	......	......	......	......	......	......
1901..	......	......	......	......	......	......	......	......	1.80	......	1.16	0.58	......
1902..	0.41	0.88	1.09	3.22	2.53	2.83	4.10	2.16	1.88	1.48	2.74	1.55	24.87
1903..	0.54	1.46	3.03	3.26	6.63	1.75	5.42	5.31	4.71	2.85	2.56	0.84	38.36
1904.	0.40	1.40	1.47	1.00	5.17	2.70	2.48	3.10	4.86	3.52	0.02	1.98	28.10
1905..	1.00	1.00	1.76	1.24	2.58	4.28	4.71	1.31	4.31	1.75	1.23	1.03	26.20
1906..	1.54	0.32	2.12	1.73	2.22	5.73	2.19	2.75	3.78	3.09	3.59	2.05	31.11
1907..	1.09	0.77	1.03	2.61	2.19	1.29	1.04	1.44	4.25	0.87	1.50	0.70	18.78
1908..	0.80	1.16	2.20	3.48	2.95	0.98	4.87	0.27	1.59	0.79	1.54	0.73	21.36
Mean	0.77	1.07	1.83	2.71	3.45	2.98	3.45	2.54	3.30	2.17	1.60	1.23	27.10

IRON RIVER, IRON COUNTY. Elevation, 1504 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	1.29	1.72	4.29	2.53	1.30	1.82	6.45	1.28	2.48	4.45	1.03	......
1897..	2.44	0.78	1.65	2.60	2.09	3.51	5.26	1.15	1.12	4.45	1.24	1.04	27.33
1898..	0.47	1.66	2.27	2.34	3.07	5.42	2.98	2.39	2.10	......	......	0.46	......
1899..	0.75	......	......	......	......	......	......	3.66	2.01	4.47	0.07	1.95	......
1900..	0.60	1.50	1.20	3.20	1.22	2.88	5.50	4.88	6.91	4.25	2.02	1.10	35.26
1901..	0.80	0.40	3.25	1.46	2.66	5.27	10.40	......	......	......	......	......	......
1902..	......	......	......	2.60	2.10	5.15	3.50	2.15	2.65	3.55	4.30	2.45	......
1903..	0.45	0.60	2.70	10.50	6.45	1.60	9.50	5.55	6.60	3.30	1.40	0.95	49.60
1904..	0.70	1.10	1.30	1.60	4.20	5.20	3.10	5.55	5.20	5.90	0.80	......	......
1905..	0.80	1.40	3.55	3.05	5.00	8.15	5.20	3.60	5.65	3.00	......	1.20	......
1906..	2.40	0.20	......	1.40	4.40	5.50	3.90	6.95	2.78	6.00	3.90	3.00	......
1907..	2.50	1.20	3.90	4.70	4.12	2.47	3.74	4.04	7.44	6.50	1.30	1.35	38.26
1908..	0.90	3.50	3.90	3.70	5.98	3.65	6.05	2.04	3.70	1.65	2.15	2.70	39.92
Mean	0.98	1.24	2.54	3.45	3.65	4.18	5.08	4.02	3.95	3.69	2.16	1.57	36.51

ISHPEMING, MARQUETTE COUNTY. Elevation, 1536 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1898..	......	......	......	......	......	......	......	1.25	3.00	2.93	1.53	1.46	......
1899..	2.34	1.01	5.49	2.63	4.49	5.38	......	......	4.93	3.98	0.47	2.65	......
1900..	0.80	2.35	1.75	3.15	2.54	2.43	6.64	3.32	9.60	2.68	1.25	0.50	37.01
1901..	0.89	1.00	2.90	1.20	3.14	2.56	5.11	2.46	2.92	3.92	2.20	2.00	30.30
1902..	1.60	1.10	1.30	2.73	3.15	2.35	4.37	2.40	2.05	3.71	3.05	1.50	29.31
1903..	0.55	1.40	2.85	1.44	8.71	1.69	6.53	7.16	4.50	4.67	3.60	1.55	44.65
1904..	1.40	1.45	4.80	0.88	4.88	2.55	5.24	4.27	4.03	4.15	1.79	3.22	38.66
1905..	3.00	......	0.95	1.03	3.12	......	2.38	......	3.29	......	2.80	3.70	......
1906..	5.30	1.95	......	......	2.74	4.59	4.00	4.27	3.51	2.95	5.93	......	......
1907..	......	......	0.70	......	......	1.65	3.20	......	4.80	1.80	2.30	1.35	......
1908..	2.10	4.90	2.82	2.53	4.44	3.07	3.09	2.05	2.01	0.44	1.27	1.24	29.96
Mean	2.00	1.89	2.62	1.95	4.13	2.92	4.51	3.40	4.06	3.12	2.38	1.92	34.90

MACKINAC ISLAND, MACKINAC COUNTY. Elevation, 831 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	......	......	......	......	1.07	3.15	7.32	2.58	7.17	2.05	3.28	1.39	......
1901..	1.58	0.30	3.15	2.07	1.93	4.28	4.30	4.29	2.53	2.11	1.90	2.23	30.67
1902..	1.30	0.67	1.66	2.83	2.18	4.05	2.50	3.97	2.12	2.62	4.26	2.37	30.53
1903..	2.25	2.68	4.54	1.34	2.91	1.86	4.01	4.58	3.49	5.88	2.75	2.56	38.85
1904..	......	1.58	7.45	4.01	10.35	2.70	2.52	3.98	9.15	6.65	1.20	1.97	......
1905..	1.85	......	6.79	1.16	......	8.60	6.65	3.40	8.20	4.31	2.08	2.07	......
1906..	1.08	1.10	1.22	0.92	1.89	5.90	1.95	1.80	3.26	4.35	2.70	2.17	28.34
1907..	4.70	......	......	......	5.00	4.15	3.15	......	9.25	5.60	3.55	2.45	......
1908..	1.75	2.72	2.75	......	5.70	3.48	7.10	......	3.95	......	......	......	......
Mean	2.07	1.51	3.94	2.06	3.88	4.24	4.39	3.51	5.46	4.20	2.72	2.15	40.13

*MAPLE RIDGE (POSTOFFICE ROCK), DELTA COUNTY.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888..	......	1.96	3.51	5.49	3.96	1.05	1.53	1.96	5.08	2.30	0.95	3.73	......
1889..	1.74	1.88	0.46	2.42	2.31	4.49	3.02	3.11	2.94	0.83	2.31	2.84	28.38
1890..	4.03	2.30	1.75	1.05	2.80	4.23	4.71	5.84	1.98	3.53	0.96	0.96	34.14
1891..	1.74	2.12	1.40	1.00	0.09	2.28	1.61	5.42	1.33	2.38	2.40	3.56	25.33
1892..	2.46	2.25	2.03	1.58	4.48	2.50	3.95	2.45	1.03	4.27	3.48	0.95	31.43
1893..	2.00	1.50	0.93	2.80	3.55	1.73	3.78	5.80	1.35	3.35	1.60	3.85	32.24
1894..	1.65	0.62	1.80	1.55	5.15	4.89	1.56	0.38	3.38	2.11	3.86	1.97	28.92
1895..	4.33	0.85	0.20	1.05	6.54	2.80	0.66	2.22	6.25	1.19	2.68	2.34	31.11
1896..	1.00	0.62	0.48	3.40	5.14	3.01	2.68	3.43	1.98	2.56	6.70	2.00	33.00
1897..	2.80	1.17	2.05	1.68	2.04	3.16	3.71	1.01	2.14	3.83	2.24	1.12	26.95
1898..	0.50	2.90	2.85	1.70	5.37	6.02	2.91	1.96	2.69	4.38	0.75	0.60	32.63
1899..	1.90	1.00	2.75	1.45	5.20	3.54	1.20	3.14	5.28	3.70	0.06	1.65	30.87
1900..	0.87	1.25	1.70	2.31	2.34	1.82	4.39	4.89	7.55	3.37	1.73	1.25	33.47
1901..	1.15	0.55	3.80	1.27	4.44	3.76	9.15	2.65	5.60	2.86	4.72	5.95	45.90
1902..	......	2.65	0.90	4.00	......	2.67	......	......	......	......	1.80	2.68	......
1903..	3.00	......	......	......	......	....	......	......	......	......	......	......	......
1904..	......	1.50	......	......	......	......	......	......	......	......	......	......	......
1905..	......	......	......	......	......	......	......	......	......	......	......	1.80	......
1906..	3.90	0.70	1.90	1.22	1.56	3.31	1.48	3.55	2.74	4.75	3.56	2.80	31.47
1907..	2.60	1.40	1.75	4.13	2.89	1.45	1.95	3.80	4.05	2.10	1.75	1.59	29.46
1908..	1.30	3.40	2.40	2.56	3.98	1.46	4.47	0.72	2.07	1.20	1.79	1.60	26.95
Mean	2.19	1.58	1.84	2.26	3.64	3.04	3.22	3.08	3.38	2.87	2.33	2.28	31.71

*** Previous to 1905 this record was kept at Lathrop, which is about seven miles from Rock.**

MARQUETTE, MARQUETTE COUNTY. Elevation, 734 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871..	......	......	......	......	......	2.45	1.97	3.30	3.39	2.99	0.63	0.43	......
1872..	0.39	0.31	0.37	0.88	6.60	3.32	4.79	2.75	8.30	0.61	1.48	0.45	30.25
1873..	0.43	0.23	0.97	1.13	1.64	4.25	6.74	1.26	4.20	2.94	1.57	0.99	26.44
1874..	0.98	0.36	0.44	0.23	2.54	3.22	2.43	2.26	3.80	6.12	2.41	0.56	25.35
1875..	0.30	0.42	1.02	1.02	2.71	3.70	0.76	7.69	6.46	4.62	0.85	0.66	30.21
1876..	0.60	0.65	1.70	1.28	3.84	8.18	3.07	1.95	4.22	2.81	2.32	0.82	31.44
1877..	0.29	0.12	0.35	1.68	0.84	3.31	5.58	1.17	3.21	4.97	4.75	1.26	27.53
1878..	1.58	1.25	1.62	3.73	1.73	8.63	1.78	2.56	5.37	4.44	1.04	2.46	36.19
1879..	1.41	4.02	1.98	0.53	3.19	3.32	4.29	2.43	3.62	4.28	5.43	6.25	40.75
1880..	2.94	1.08	1.00	2.62	4.83	5.52	3.72	3.79	2.83	2.36	1.48	1.27	33.44
1881..	1.69	2.80	3.84	0.52	4.17	3.47	2.49	2.80	12.71	3.71	3.43	0.98	42.91
1882..	1.10	3.41	2.75	2.48	2.88	2.69	2.76	3.62	5.89	5.34	1.61	2.55	37.08
1883..	2.36	1.43	0.62	2.02	2.65	4.56	4.04	2.11	3.24	2.58	2.88	2.01	30.50
1884..	0.91	2.05	0.74	3.94	2.43	1.21	2.45	5.46	4.91	5.92	2.77	8.65	41.44
1885..	2.77	......	2.14	1.96	3.19	3.34	1.85	2.47	1.00	2.91	4.10	1.87	......
1886..	3.14	1.18	2.19	2.14	1.17	3.79	1.33	3.70	1.94	2.15	3.75	2.79	29.27
1887..	1.96	1.36	0.31	3.44	1.04	3.15	2.62	2.90	1.06	2.43	3.03	2.32	25.62
1888.	2.00	1.16	2.80	5.07	3.27	1.54	1.32	4.17	5.41	2.40	2.07	4.25	35.46
1889..	3.94	2.45	1.02	2.63	1.16	3.15	4.80	1.68	3.71	0.78	2.04	2.95	30.31
1890.	3.11	5.17	2.20	1.67	2.96	3.66	4.07	2.17	1.52	3.18	1.94	2.82	34.47
1891..	4.08	3.42	4.45	2.18	0.21	2.32	2.74	4.71	1.21	2.56	3.32	2.58	33.78
1892..	2.88	2.77	3.15	1.66	2.99	1.58	1.50	0.45	1.18	3.97	3.71	1.41	27.28
1893..	2.27	1.93	3.00	2.31	3.89	1.38	5.22	2.56	0.53	2.92	3.96	5.89	35.86
1894..	2.77	2.03	4.14	1.73	8.09	1.90	1.57	1.78	2.73	2.00	4.58	2.26	35.58
1895..	5.14	1.31	1.30	1.46	4.88	4.21	1.13	1.70	3.52	2.54	2.83	3.02	33.04
1896..	2.04	1.75	1.20	3.12	2.46	2.25	1.49	1.93	1.34	4.20	6.44	1.37	29.59
1897..	2.98	1.66	4.29	2.06	1.89	3.64	3.04	2.83	1.87	2.68	1.22	1.77	30.03
1898..	1.43	3.08	2.32	1.72	3.16	3.86	2.57	1.16	1.47	3.40	1.79	1.52	27.48
1899..	1.64	0.53	2.79	2.60	4.74	1.69	2.82	4.29	3.90	3.46	0.56	4.41	36.43
1900..	2.01	2.53	1.78	2.89	2.88	2.26	4.62	1.98	6.61	1.32	1.61	1.83	32.32
1901..	2.08	0.83	2.72	1.14	4.84	3.89	5.96	2.31	4.44	3.12	3.82	2.04	37.19
1902..	1.75	1.24	0.67	3.33	2.14	2.98	2.14	2.17	1.20	1.97	3.39	3.79	26.77
1903..	1.35	1.24	2.44	3.60	5.24	2.16	6.79	4.68	2.93	2.30	4.63	2.48	39.84
1904..	2.30	1.48	3.62	0.89	5.53	3.12	3.01	3.04	2.65	3.57	1.68	2.35	33.24
1905..	1.76	0.79	2.61	1.22	3.60	3.79	2.00	1.95	2.62	2.19	2.53	3.12	28.18
1906..	4.72	1.52	3.29	1.08	2.58	4.99	1.78	3.23	3.16	3.70	4.06	3.38	37.49
1907..	1.76	1.03	1.34	3.81	3.13	4.23	2.13	2.21	5.79	2.35	2.50	1.31	31.62
1908..	2.10	3.63	3.28	3.13	3.11	3.48	2.03	1.08	3.46	1.06	1.21	1.82	30.29
Mean	2.08	1.73	2.06	2.13	3.20	3.57	3.06	2.74	3.61	3.08	2.72	2.44	32.42

MENOMINEE, MENOMINEE COUNTY. Elevation, 581 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899..	......	......	......	......	......	3.68	5.38	1.81	2.03	1.36	0.50	0.26	......
1900..	0.40	......	0.60	......	......	1.75	6.87	4.13	4.86	5.12	1.51	0.79	......
1901..	0.85	0.80	3.45	0.95	3.22	2.26	4.64	3.02	2.17	4.47	1.72	0.30	27.85
1902.	0.75	1.00	0.46	2.49	2.62	4.99	4.41	1.41	2.38	1.60	2.03	0.85	24.99
1903.	0.25	1.52	3.23	1.67	4.07	4.76	1.34	3.92	4.68	1.39	1.42	0.57	28.82
1904..	0.35	1.61	2.04	1.65	6.28	1.67	2.45	2.57	4.46	2.15	0.20	0.75	26.18
1905..	1.40	0.80	1.23	1.88	2.43	6.29	5.50	1.88	2.33	2.32	0.86	0.15	27.07
1906..	1.20	1.30	1.05	1.46	1.95	3.10	1.53	3.46	2.81	2.83	3.31	1.28	25.28
1907..	2.81	0.73	1.38	1.48	2.18	2.11	1.62	1.78	7.20	0.40	1.40	2.35	25.44
1908..	2.00	0.95	1.97	2.39	3.23	2.50	5.70	1.17	1.41	0.53	1.46	2.05	25.36
Mean	1.11	1.09	1.71	1.75	3.25	3.31	3.94	2.52	3.43	2.22	1.44	0.94	26.71

NEWBERRY, LUCE COUNTY. Elevation, 773 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	......	......	......	......	......	......	......	......	4.57	6.69	0.95	......
1897..	3.99	1.70	2.60	2.25	2.95	2.57	3.99	1.23	0.76	3.34	2.16	1.99	29.53
1898..	1.25	1.25	2.50	1.13	3.35	3.63	2.11	2.42	2.33	2.05	2.37	0.72	25.11
1899..	2.10	......	1.40	......	1.64	......	0.80	1.17	5.24	1.67	0.10	0.85	......
1900..	0.55	0.60	1.68	0.90	0.85	2.50	3.88	1.64	2.41	0.52	2.27	0.55	18.35
1901..	1.40	1.60	1.40	0.20	......	1.63	2.40	2.40	1.80	2.48	0.58	0.92	......
1902..	1.20	1.00	0.01	1.22	1.01	2.30	3.06	1.10	2.40	1.10	2.20	1.30	17.90
1903.	1.55	0.20	......	0.12	......	......	6.95	4.55	2.33	0.96	1.20	1.50	......
1904..	1.70	......	......	......	......	1.10	2.30	......	......	......	0.50	0.70	......
1905..	1.10	1.10	......	......	......	......	1.70	......	1.30	......	1.07	1.08	......
1906..	1.63	1.30	2.01	0.40	2.50	2.90	0.90	1.90	3.50	2.00	2.20	0.95	22.19
1907..	1.90	0.70	......	......	......	......	......	......	......	......	0.80	0.65	......
1908..	1.30	2.70	1.10	......	......	4.10	......	......	......	......	......	......	......
Mean	1.64	1.22	1.59	0.89	2.05	2.59	2.81	2.05	2.45	2.08	1.84	1.01	22.22

ST. IGNACE, MACKINAW COUNTY. Elevation, 593 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	......	......	......	......	......	......	2.89	0.68	2.71	......	......	......	......
1888..	......	......	......	......	......	......	......	......	......	......	......	......	......
1889..	2.30	2.10	0.05	0.96	2.93	7.36	3.23	4.04	4.50	1.43	1.80	3.57	34.27
1890..	4.47	2.64	2.11	3.12	3.45	2.30	7.76	4.03	1.91	2.58	2.05	1.25	37.67
1891..	2.80	2.73	3.03	3.55	0.37	1.38	1.34	4.54	0.76	2.24	4.38	1.97	29.09
1892..	2.80	1.40	0.85	1.86	3.51	4.52	3.61	2.77	1.55	1.61	3.27	2.36	30.11
1893..	2.90	2.00	2.02	2.67	3.66	2.30	4.58	1.06	3.02	2.94	2.35	4.01	33.51
1894..	3.14	0.97	3.41	1.12	5.15	4.03	1.17	1.63	2.04	5.76	2.00	1.75	32.17
1895..	2.82	1.50	0.34	2.30	2.95	1.42	0.87	2.30	5.53	1.57	1.88	3.22	26.70
1896..	2.18	1.35	0.80	3.17	6.34	3.69	2.20	1.80	3.15	1.99	5.40	1.30	33.37
1897..	2.29	2.26	2.80	3.28	2.67	2.55	2.42	2.62	1.92	2.04	1.66	1.84	28.35
1898..	1.72	1.85	2.62	0.96	3.22	4.36	4.55	3.30	1.91	2.82	1.95	0.50	29.79
1899..	1.63	0.72	1.86	1.54	2.38	2.38	1.47	2.01	1.98	1.93	0.98	3.17	22.05
1900..	0.64	1.60	0.60	1.89	1.35	3.72	8.24	4.77	7.40	2.10	1.84	1.20	35.35
1901..	0.55	0.10	2.20	1.16	1.67	3.52	4.02	4.08	4.20	5.34	2.49	3.10	32.43
1902..	1.54	0.22	1.52	2.05	2.44	3.87	3.73	3.71	2.12	1.40	3.88	0.75	27.23
1903..	0.95	0.90	......	......	1.46	......	......	4.71	2.43	4.41	1.59	1.45	......
1904..	1.05	......	......	0.87	3.42	1.51	2.09	3.05	......	1.15	0.40	1.58	......
1905..	0.40	......	......	......	......	......	......	......	......	......	......	......	......
1906..	......	......	......	......	......	......	......	......	......	......	......	......	......
1907..	......	......	......	......	3.91	1.46	2.95	......	......	1.50	2.03	2.06	......
1908..	1.32	2.65	2.90	2.16	2.78	1.05	4.31	1.12	0.95	0.30	3.10	......	......
Mean	1.97	1.56	1.81	2.04	2.98	3.02	3.41	2.90	2.83	2.40	2.39	2.06	29.37

SAULT STE. MARIE, CHIPPEWA COUNTY. Elevation, 614 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	......	......	......	......	......	......	......	......	0.27	6.81	4.04	3.14	......
1888..	2.00	4.56	6.10	2.60	4.25	2.00	1.09	3.58	3.99	2.37	3.60	2.27	38.41
1889..	2.50	2.67	0.31	2.37	2.54	5.83	3.36	3.07	5.60	1.86	1.84	3.44	35.39
1890..	4.03	2.91	1.65	2.64	3.87	4.96	5.16	4.11	3.98	2.04	2.16	2.55	40.06
1891..	2.06	3.16	2.49	2.11	0.50	0.95	2.22	3.44	0.98	2.76	5.85	3.05	29.57
1892..	2.41	1.43	1.52	2.32	3.12	3.50	2.33	2.05	1.79	2.98	3.23	3.41	30.09
1893..	1.79	1.77	1.77	3.36	3.71	2.15	4.32	1.40	4.68	4.76	5.09	4.84	39.64
1894..	3.82	0.80	3.97	1.10	3.38	2.53	1.95	4.72	3.34	4.74	5.11	3.07	38.53
1895..	3.17	1.76	1.08	2.58	3.17	0.93	1.34	1.34	7.40	3.58	1.51	2.69	30.55
1896..	3.97	1.98	1.06	3.13	6.70	1.94	0.96	3.57	2.48	3.04	4.84	0.95	34.62
1897..	4.02	0.94	2.10	3.32	4.26	2.57	4.03	2.36	1.34	4.48	4.01	2.73	36.16
1898..	1.20	1.77	2.98	0.68	3.28	3.07	1.52	4.18	3.42	2.53	2.02	1.26	27.91
1899..	1.61	1.10	1.44	1.85	4.09	4.14	2.90	2.81	4.47	2.22	0.97	3.08	30.68
1900..	1.19	1.38	0.37	1.29	0.84	3.16	5.05	4.27	7.25	1.68	2.84	1.61	30.93
1901..	1.40	0.22	2.11	0.82	1.55	3.37	4.95	3.01	2.31	5.39	1.33	0.92	27.38
1902..	0.98	0.58	0.95	2.00	2.60	3.04	2.20	1.54	2.44	4.42	3.54	1.71	26.00
1903..	1.46	1.02	3.01	1.19	2.61	1.49	4.66	3.37	3.31	3.49	1.69	1.74	29.04
1904..	0.67	1.22	1.46	2.03	4.71	1.82	2.57	2.35	4.25	3.92	1.52	0.98	27.50
1905..	0.64	0.75	2.44	1.70	2.19	2.77	2.73	2.72	3.97	2.60	2.14	1.16	25.81
1906..	2.06	0.53	2.28	1.12	2.23	3.40	0.22	1.68	2.77	2.79	2.84	1.79	23.71
1907..	2.26	0.98	1.85	1.31	2.41	1.61	2.29	3.46	2.36	2.33	2.19	1.37	24.42
1908..	0.89	2.64	0.95	2.31	2.76	2.18	3.46	2.29	1.71	1.27	2.94	2.66	26.06
Mean	2.10	1.63	1.99	1.99	3.08	2.73	2.82	2.92	3.37	3.28	2.97	2.29	31.17

THOMASTON, GOGEBIC COUNTY. Elevation, 1347 Feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897..	4.40	2.32	2.41	1.44	3.98	4.40	9.40	1.60	2.84	1.78	2.36	1.51	38.44
1898..	2.15	2.52	1.57	0.61	2.18	2.56	1.28	0.80	1.46	2.66	2.84	1.04	21.67
1899..	1.80	0.40	2.80	......	......	6.50	3.50	2.28	2.53	......	......	4.10	......
1900..	1.20	......	......	......	1.03	......	5.66	5.10	3.83	2.22	3.40	2.00	......
1901..	1.80	0.00	1.15	0.51	1.01	2.24	3.10	0.60	2.03	0.80	0.60	2.43	16.27
1902..	1.38	0.60	0.70	0.90	1.31	1.13	2.24	1.47	2.96	2.52	2.43	2.00	19.64
1903..	0.70	0.66	2.09	1.05	5.94	0.35	6.08	4.30	3.37	1.58	1.80	0.80	28.72
1904..	0.50	0.40	......	......	......	1.88	3.67	5.80	......	1.32	0.71	2.00	......
1905..	1.60	......	0.30	1.70	2.64	......	......	......	5.48	4.01	2.10	1.50	......
1906..	2.80	1.20	0.60	......	......	......	......	......	......	3.12	......	......	......
1907..	3.10	0.99	1.90	4.38	3.95	1.15	1.01	5.22	3.16	0.90	2.23	1.04	29.03
1908..	1.60	3.55	4.70	......	......	......	......	......	2.92	1.14	1.05	1.10	......
Mean	1.92	1.26	1.82	1.51	2.76	2.53	3.99	3.02	3.06	2.00	1.95	1.71	27.53

WETMORE, ALGER COUNTY. Elevation, 878 Feet.

1896..	......	......	......	......	......	......	......	......	2.09	4.69	6.67	2.23	......
1897..	3.26	1.00	2.44	2.09	3.15	3.57	2.77	1.47	1.83	3.51	3.76	2.50	31.35
1898..	1.70	2.50	2.79	1.23	2.28	5.23	2.32	2.74	1.75	4.28	2.12	1.67	30.61
1899..	3.13	0.65	2.49	2.36	4.31	4.49	1.38	3.53	5.83	2.43	0.38	2.46	33.44
1900..	1.58	5.31	1.40	0.72	2.59	2.00	5.60	2.45	5.92	1.59	2.10	2.20	33.46
1901..	2.10	1.20	1.50	0.50	3.65	1.00	7.55	......	......	......	......	2.80	......
1902..	1.40	1.85	......	......	......	......	......	......	2.23	3.10	3.03	1.85	......
1903..	1.10	0.70	0.30	1.20	3.20	0.70	2.82	2.45	2.35	2.87	3.17	1.71	22.57
1904..	1.53	0.41	1.31	1.12	4.33	2.10	1.60	3.70	6.53	3.30	1.21	2.80	29.94
1905..	2.40	1.10	2.00	2.10	3.30	3.30	2.30	2.42	5.85	1.73	4.00	2.30	32.80
1906..	2.20	......	1.85	0.85	0.85	......	1.25	1.50	......	2.05	3.30	2.40	......
1907..	2.90	......	1.40	4.10	......	0.30	3.50	3.10	4.14	1.00	2.04	3.30	......
1908..	2.30	......	1.70	......	......	......	4.35	......	......	0.35	1.36	1.40	......
Mean	2.13	1.64	1.74	1.63	3.07	2.52	3.22	2.06	3.85	1.74	2.76	2.28	29.18

WHITEFISH POINT, CHIPPEWA COUNTY. Elevation, 610 Feet.

1900..	......	......	......	2.44	1.18	3.51	4.72	4.82	8.99	2.20	4.95	1.05	......
1901..	1.34	1.71	2.70	0.55	0.96	3.08	6.00	3.31	2.69	7.77	1.66	2.20	33.97
1902..	1.10	2.40	0.68	2.23	1.88	3.44	2.75	2.36	3.06	2.64	3.86	1.10	27.50
1903..	1.53	1.82	3.01	1.30	3.51	1.72	4.35	3.68	2.86	1.56	3.77	2.70	3 .81
1904..	1.34	1.09	2.01	1.84	7.37	1.90	2.15	2.47	5.28	3.16	1.14	3.18	32.93
1905..	1.72	1.42	2.32	1.44	3.78	1.89	2.29	3.10	0.07	4.59	4.23	2.08	34.93
1906..	2.65	1.43	3.68	1.87	2.15	3.54	0.58	0.92	1.57	2.85	4.07	1.94	27.25
1907..	4.85	0.66	1.56	1.56	4.20	1.47	2.34	3.61	4.01	2.58	3.36	......	......
1908..	......	......	......	2.52	3.45	2.90	3.15	2.15	2.74	0.92	2.22	3.27	......
Mean	2.08	1.50	2.28	1.75	3.16	2.61	3.15	2.94	4.14	3.14	3.25	2.19	32.19

Mean Temperatures.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Chatham	10	15.9	13.2	23.9	36.1	47.2	57.5	63.3	61.9	55.0	44.8	32.2	19.4	39.2
Escanaba	37	15.5	15.2	23.8	37.2	49.1	60.8	66.4	64.7	57.2	45.6	32.6	21.4	40.8
Houghton	10	16.4	13.4	25.7	37.7	18.4	60.2	65.5	63.7	57.5	47.0	33.9	21.1	40.9
Humbolt	13	10.7	8.3	19.4	36.3	17.3	57.9	62.1	59.8	53.2	41.9	27.3	15.1	37.7
Iron River	13	10.8	9.0	22.3	38.6	50.3	59.6	64.4	62.2	54.5	43.5	28.6	15.7	38.3
Marquette	38	17.0	16.7	21.3	37.7	49.1	59.0	65.0	63.8	57.2	46.1	32.6	22.6	40.9
Menominee	10	18.1	14.6	28.2	39.7	50.4	61.7	68.0	66.8	59.6	49.5	35.8	23.2	43.0
Newberry	8	15.6	12.5	22.6	39.0	49.5	58.0	63.7	61.5	52.8	46.0	31.1	19.2	39.3
St. Ignace	18	18.0	14.0	24.5	38.4	48.7	59.2	64.3	63.4	56.7	45.6	33.8	24.3	40.9
Sault Ste. Marie	22	15.0	12.4	22.7	37.9	48.6	59.1	63.0	62.0	56.1	44.5	32.2	20.9	39.5
Thomaston	14	12.2	9.5	22.7	37.9	50.8	60.7	64.7	62.8	56.0	44.5	29.1	14.8	38.8
Whitefish Point	10	18.0	12.6	19.9	34.9	44.3	53.1	58.8	61.4	55.9	46.3	34.3	22.1	38.5

Highest Temperatures.

Chatham	8	55	52	63	75	87	95	98	89	91	82	69	50	98
Escanaba	34	49	52	75	77	84	96	100	94	90	86	68	54	100
Houghton	10	50	54	78	88	89	101	103	90	93	87	67	47	103
Humbolt	12	48	45	59	79	89	96	98	93	91	79	71	48	98
Iron River	13	53	58	70	81	90	95	96	93	92	81	70	52	96
Marquette	37	56	69	81	87	98	98	108	98	97	87	74	59	108
Menominee	10	48	48	67	81	85	94	99	96	92	86	72	50	99
Newberry	11	51	44	59	80	88	91	96	92	92	75	70	47	96
St. Ignace	19	46	46	61	74	86	88	96	92	90	82	68	19	96
Sault Ste. Marie	22	46	46	64	77	89	93	94	90	91	80	67	48	94
Thomaston	12	50	50	67	90	92	96	101	98	95	82	68	48	101
Whitefish Point	9	43	44	54	71	82	91	93	85	84	79	68	44	93

Lowest Temperatures.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Chatham	8	-33	-32	-20	- 3	12	25	30	30	22	5	1	-20	-33
Escanaba	34	-29	-32	-27	0	20	29	41	34	24	11	-15	-23	-32
Houghton	10	-25	-27	-15	- 1	22	34	41	40	33	18	6	-11	-27
Humbolt	12	-42	-49	-35	-13	13	18	29	27	18	- 3	-13	-35	-49
Iron River	13	-41	-47	-28	- 7	10	23	28	29	19	4	-17	-26	-47
Marquette	37	-26	-27	-16	3	22	31	38	33	28	12	- 9	-20	-27
Menominee	10	-26	-19	- 7	12	21	27	44	43	27	18	2	-16	-26
Newberry	8	-29	-32	-23	0	15	22	28	28	22	15	1	-18	-32
St. Ignace	18	-23	-35	-23	5	13	32	34	37	20	16	0	-18	-35
Sault Ste. Marie	22	-28	-37	-27	3	21	32	40	37	28	16	- 7	-19	-37
Thomaston	12	-40	-46	-31	- 8	10	24	30	29	16	4	-10	-24	-46
Whitefish Point	9	-24	-27	-26	6	21	31	40	40	32	22	5	-10	-27

Average Number of Days with 0.01 Inch or more of Precipitation.

Chatham	8	17	14	12	12	13	12	11	10	12	14	15	15	157
Escanaba	37	12	10	11	10	12	12	11	11	11	12	11	11	134
Houghton	10	19	14	13	11	13	11	11	11	13	13	16	20	165
Humbolt	11	5	3	4	4	7	5	5	4	6	6	5	4	58
Iron River	12	5	4	7	7	10	9	10	8	9	8	6	6	89
Marquette	38	16	14	13	12	10	12	12	12	13	15	15	16	160
Menominee	10	5	4	5	6	9	8	9	7	7	5	4	4	73
Newberry	9	8	7	6	3	7	5	6	5	7	7	8	8	77
St. Ignace	17	10	7	7	7	8	7	8	8	9	7	9	9	96
Sault Ste. Marie	22	17	12	12	11	13	10	11	11	13	14	16	16	156
Thomaston	11	6	4	4	4	7	6	8	6	8	7	7	7	74
Whitefish Point	9	15	10	10	7	10	8	10	8	10	11	13	14	126

Snowfall (inches).

Chatham	8	23.1	7.6	14.6	6.7	0.3	0	0	0	0	1.0	20.8	28.0	112.1
Escanaba	19	11.6	2.3	11.2	5.9	0.2	0	0	0	T.	0.4	6.2	11.0	58.8
Houghton	10	26.4	7.4	15.3	8.9	0.9	0	0	0	T.	1.9	18.4	27.5	116.7
Humbolt	12	11.1	7.9	10.0	5.1	0.3	0	0	0	0.2	1.3	10.3	7.7	53.9
Iron River	13	8.4	0.5	11.6	4.2	0.3	0	0	0	T.	1.2	8.0	11.4	55.6
Marquette	24	24.1	9.5	20.7	9.0	1.7	T.	T.	0	0.4	3.1	17.6	25.3	121.4
Menominee	10	10.2	8.8	7.6	3.1	0.4	0	0	0	T	T.	1.3	7.7	39.1
Newberry	12	14.4	11.4	10.9	1.8	0.4	0	0	0	T.	2.1	7.7	9.4	58.1
St. Ignace	20	17.5	12.0	9.9	1.3	0.2	0	0	0	T.	0.4	6.2	11.3	58.8
Sault Ste. Marie	22	16.7	12.1	8.5	2.0	0.5	0	0	0	T.	1.8	12.2	6.4	70.2
Thomaston	12	20.1	12.1	14.9	8.5	0.7	0	0	0	0.2	1.5	12.8	18.5	89.3
Whitefish Point	9	18.4	13.8	9.6	4.3	0.8	0	0	0	0.3	0.1	15.8	20.3	83.4

Prevailing Wind Direction.

Chatham	8	nw.	nw.	nw.	nw.	n.	s.	nw.	nw	nw.	s.	nw.	nw.	nw.
Escanaba	22	nw.	n.	n.	n.	n.	s.	s.	s.	s.	s.	nw.	sw.	s.
Houghton	10	nw.	nw.	e.	e.	e.	e.	w.	w.	w.	nw.	nw.	nw.	nw.
Humbolt	12	nw.	w.	w.	nw.	w.	s.	w.	w.	s.	nw.	w.	w.	w.
Iron River	12	nw.	n.	n.	n.	n.	s.	s.	s.	n.	n.	n.	n.	n.
Marquette	40	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	w.	w.	nw.
Menominee	10	sw.	nw.	ne.	ne.	ne.	ne.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Newberry	12	nw.	nw.	nw.	nw.	nw.	s.	s.	nw.	nw.	nw.	nw.	nw.	nw.
St. Ignace	20	nw.	nw.	nw.	nw.	w.	w.	w.	w.	w.	w.	w.	w.	w.
Sault Ste. Marie	22	se.	nw.	nw.	nw.	nw.	w.	nw.	nw.	nw.	se.	se.	se.	nw.
Thomaston	10	w.	nw.	w.	w.	w.	w.	w.	w.	w.	w.	nw.	w.	w.
Whitefish Point	9	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.

Mean Relative Humidity.

Escanaba	11	84	84	84	71	73	74	76	77	82	80	80	82	79
Houghton	10	77	77	79	76	76	76	79	82	84	80	80	79	79
Marquette	21	82	81	79	73	71	71	71	75	77	77	80	81	77
Sault Ste. Marie	22	86	85	82	74	73	74	78	80	83	84	84	85	81

Average Hourly Wind Movement (in miles).

Escanaba	17	9	9	9	9	9	8	8	8	9	9	10	10	9
Houghton	10	7	7	8	8	8	7	6	6	7	7	7	7	7
Marquette	21	11	11	10	10	10	8	9	9	11	11	11	11	10
Sault Ste. Marie	22	9	9	10	10	9	7	7	7	8	9	10	9	8

Frost Data.

Stations.	Length of record, years.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Chatham	8	Sept. 17	June 11	Sept. 1	June 28
Escanaba	11	Oct. 3	May 16	July 21	July 9
Houghton	10	Oct. 7	May 8	Sept. 22	May 21
Humbolt	11	Sept. 5	June 7	Aug. 9	June 28
Iron River	10	Sept. 15	June 3	Aug. 8	June 23
Marquette	21	Oct. 2	May 15	Aug. 22	June 11
Menominee	9	Oct. 6	May 16	Sept. 16	June 21
Newberry	5	Sept. 11	May 29	Aug. 29	June 15
St. Ignace	7	Sept. 28	May 11	Sept. 1	June 28
Sault Ste. Marie	22	Sept. 29	May 14	Sept. 5	May 29
Thomaston	10	Sept. 1	June 8	Aug. 2	June 28
Whitefish Point	9	Oct. 10	May 17	Sept. 21	June 3

HYDROGRAPHIC DATA FOR SECTION 61.

SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY

By R. H. BOLSTER, Assistant Engineer.

PRELIMINARY NOTE.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, U. S. Geological Survey, Washington, D. C.

This section lies in the northern part of the State of Michigan and is drained by streams flowing northerly into Lake Superior and southerly into Lakes Michigan and Huron.

The hydrography of the Upper Peninsula differs from that of the Lower Peninsula in the greater extent of forest and untilled lands, the absence of artifical drainage, the precipitous watersheds with a large per cent of rock outcrop, and the rapid fall of the streams. Relatively little water power has been developed. Since the advent of successful electric transmission, attention has been devoted to the utilization of natural power resources for general mining purposes and for air compression for mine supply. Use has been made of many streams to supply the launders of copper stamp mills. One of these mills often requires as much water for ore washing and transportation as would be needed for the municipal supply of a large city.

Menominee River, which forms the dividing line between Wisconsin and the Upper Peninsula of Michigan, is formed by the junction of Brule and Michigamme rivers in T. 41 N., R. 30 W. It then flows in a general southeasterly direction entering Lake Michigan in Green Bay at Marinette. Its total drainage area is approximately 4,000 square miles, of which 2,250 square miles lie in the State of Mchigan.

The headwaters of Brule River are in the region of Northern Wisconsin, which is interspersed with almost innumerable small lakes. The larger portion of this drainage comes from an elevated plateau extending from the headwaters of Michigamme River at an elevation of about 1750 feet, and at a distance of 12 miles from Kewee, New Bay, Lake Superior. This plateau slopes gradually to the southeast. The river is, however, frequently interrupted in its course by encountering barriers of rock strata along which it flows either to the north or to the south until an outlet is reached.

Michigamme River has a total fall of about 500 feet. The region about its headwaters contains numerous lake areas, the largest of these being Lake Michigamme, which receives the drainage from a tributary area of 140 square miles and has a water surface of 6.5 square miles. Owing to the rapid fall of the streams, sites for extensive storage reservoirs are rare. The river makes a total descent from its nominal head at the junction of Brule and Michigamme rivers to its mouth, of about 700 feet. This fall is chiefly concentrated in numerous rapids which usually occur in pairs.

Escanaba River rises near Ishpeming, southwest of Lake Superior in the Upper Peninsula of Michigan, flows southeasterly a distance of nearly 100 miles, entering Lake Michigan through Little Bay de Noquette. There is considerable fall on this stream and many power sites.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly discharge of Escanaba River, Escanaba, Mich.

For periods September 1-October, 1903; April 1-December 31, 1905; June 1-November 30, 1904; May 1-November 30, 1906.

[Drainage area, 800 square miles].

Month.	Discharge in Second-feet.				Run-off.	
	Maximum.	Minimum.	Mean.	Per square mile.	Depth, ins. on drainage area.	Total acre feet.
April	9,720[a]	1,330	2,470	3.09	3.45	....
May	10,900[b]	960	2,100	2.62	3.02	....
June	2,590	450	1,590	1.99	2.22	....
July	1,550	320	739	.924	1.07	....
August	1,840[c]	200	477	.596	.69	....
September	2,900	295	952	1.19	1.33	....
October	3,220	320	970	1.21	1.40	....
November	1,300	362	785	.981	1.09	....
December	1,420[d]	680	891	1.11	1.28	....

[a] April 9-30, 1906; [b] May 18-31, 1904; [c] August 25-31, 1903; [d] December 1-22, 1906.

Monthly discharge of Menominee River, Iron Mountain, Mich.

For periods September, 1902-December, 1902; April-December, 1903; April-December, 1904; April, 1905-September 30, 1906.

[Drainage area, 2420 square miles.]

Month.	Discharge in Second-feet.				Run-off.	
	Maximum.	Minimum.	Mean.	Per square mile.	Depth, ins. on drainage area.	Total acre feet.
January	3,910	1,740	2,370	.980	1.13	....
February	3,360	2,260	2,590	1.07	1.11	....
March	2,650	2,080	2,250	.930	1.07	....
April	15,100	1,700	5,620	2.32	2.59	....
May	11,800	1,740	6,950	2.87	3.31	....
June	10,700	1,540	4,560	1.88	2.10	....
July	7,890	1,090	3,270	1.35	1.56	....
August	7,630	1,030	2,680	1.11	1.28	....
September	10,600	1,030	2,860	1.18	1.32	....
October	6,720	1,090	2,860	1.18	1.36	....
November	5,310	1,380	2,460	1.02	1.14	....
December	2,720	1,280	2,000	.826	.95	....
The period	15,100	1,030	3,370	1.39	18.92	....

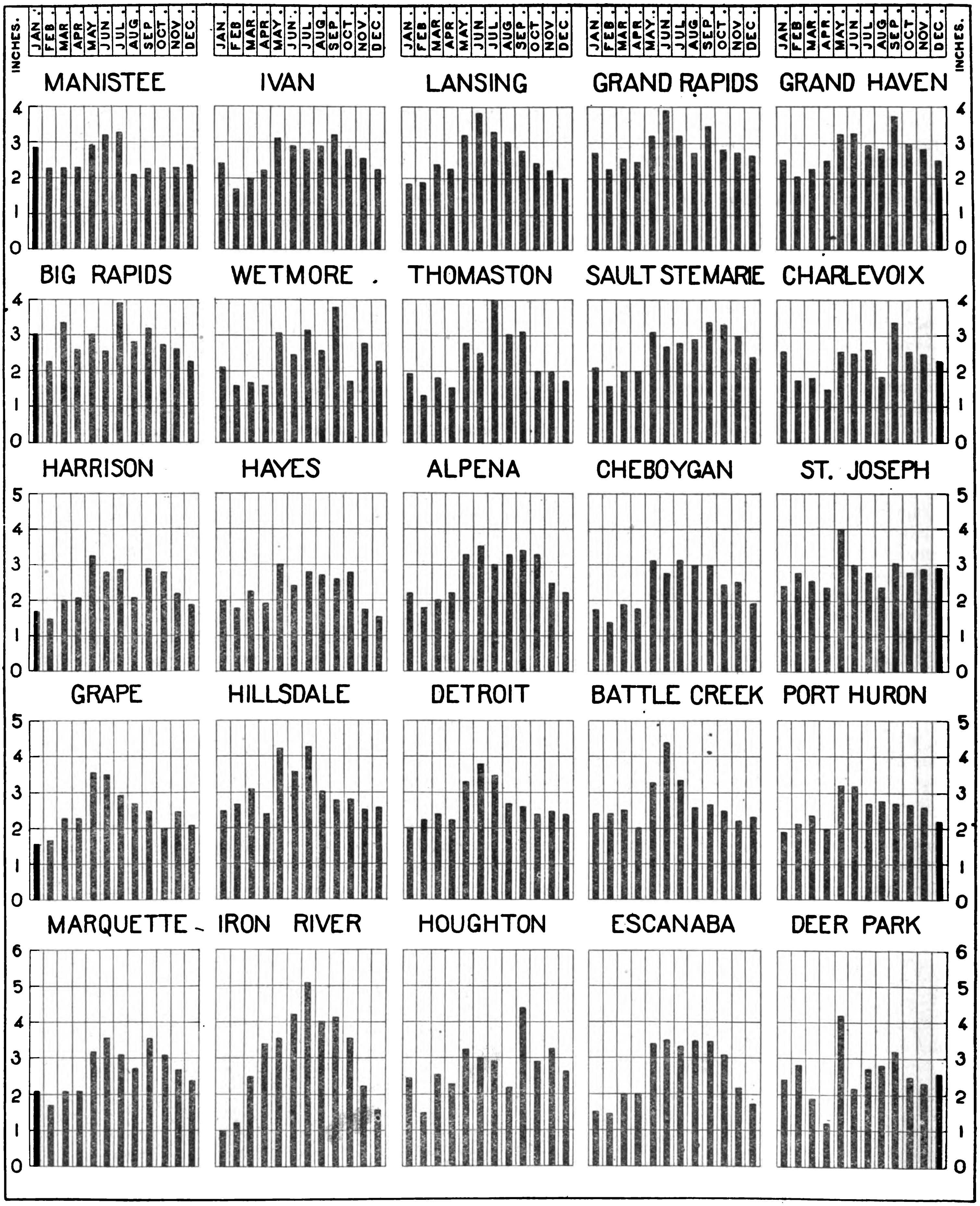


Diagram showing the comparative monthly distribution of precipitation for Michigan.

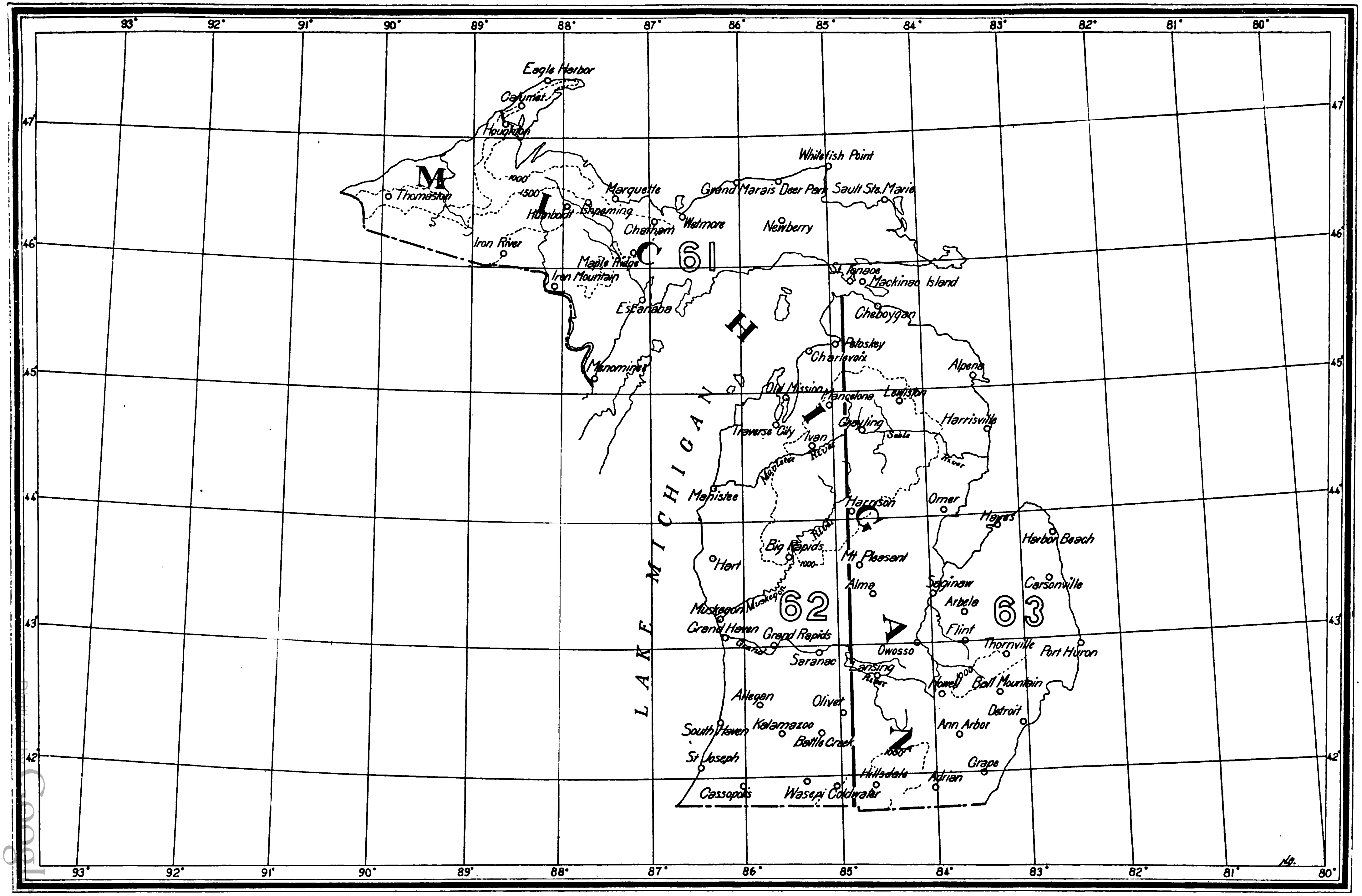


Chart showing principal points of observation, the drainage basins, and the general elevation of Michigan.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. Day, Chief of Division.

SECTION 62.—WESTERN-LOWER MICHIGAN.

This section includes the western half of the lower peninsula of Michigan. The greater part of the population is to be found in the southern half of the section, which contains a number of thriving cities and important industrial centers. The largest is Grand Rapids, the second city in size in the State and the greatest furniture manufacturing center in the world. There are considerable areas in the northern half that are sparsely populated, especially in the interior, but this district is more thickly settled than the northern part of the eastern half of the peninsula.

In the northern part of this section there is an elevated area covering parts of Antrim, Kalkaska, Wexford, Missaukee and Osceola counties, which is from 1,100 to 1,300 feet above sea level. The elevation of most of the remainder is 600 to 800 feet. The surface is generally rolling. From Manistee County northward the increase in elevation on leaving the Lake Michigan shore is quite rapid.

The drainage is almost entirely into Lake Michigan, about the only exception being parts of Isabella and Mecosta counties, which contain the sources of the Pine and Chippewa rivers. These streams flow into the Saginaw River, the waters of which find their way to Lake Huron. The principal rivers are the St. Joseph, Kalamazoo, Grand, Muskegon and Manistee. There are a number of other rivers of less importance and many coastal streams of only a few miles in length. The valleys are generally broad and the river beds of earth as in the eastern half of the State. The principal rock outcrop is at Grand Rapids where Grand River flows over a limestone ledge that originally caused a beautiful rapids, which had a fall of more than seventeen feet a mile.

The rivers of this section, containing as they do many rapid descents, present splendid water power possibilities that have been only partly utilized. The Grand and Muskegon are partly developed. Two dams on the latter, in connection with two on the Flat River, furnish power sufficient to run approximately one hundred miles of interurban and city railway, light half a dozen cities and towns with an aggregate population of 150,000 people, and provide power for many factories in Grand Rapids, Muskegon, Grand Haven and Holland.

In the southern portion the soil, which originally sustained a forest of oak, maple, hickory and other hard wood, is largely a sandy loam, with considerable areas of marsh and swamp. Much of the latter has been drained and the black mucky soil, when properly treated, is very fertile. In the northern part the fertile soil is interspersed with areas of barren sandy lands, originally covered with pine, which have been found unsuitable for agriculture.

The climate of this section differs from that of Section 63 in but one important particular. The prevailing winds being westerly, the influence of Lake Michigan modifies, to a considerable degree, the climate of a strip of territory 20 to 30 miles wide along its eastern shore. This vast body of water, which absorbs heat more slowly than the land during summer and parts with it with equal slowness during winter, serves to temper the extremes of heat and cold of the winds blowing over it, which in turn ameliorate the temperature to a considerable distance inland. This narrow strip of territory is known as the Fruit Belt because this peculiarity of its climate enables the cultivation of peaches, grapes, and other tender fruits with a success that is impossible in other regions of the same latitude not similarly protected.

The annual precipitation averages between 30 and 35 inches over most of this district, but is about 40 inches in the extreme southern portion. The precipitation is greatest during the late spring and early summer and least during winter, but withal is well distributed throughout the year. Summer drouths are comparatively rare, the most severe one of which there is record being in 1903. This drouth covered a period of 47 days in August, September and October, during which time the average precipitation was between 0.50 and 0.75 of an inch.

The snowfall averages from 40 inches annually in the extreme southern part to 90 inches in the northern, by far the larger part of which occurs during December, January and February.

The annual mean temperature ranges from about 43° in the northern portion to 49° in the extreme southwestern part. February is, as a rule, the coldest month, although in the southern part there is little or no difference between January and February. In the northern part February will average about

4° colder than January. July is the warmest month and August is but little cooler. Maximum temperatures above 90° are not infrequent during the first half of September.

The precipitation tables which follow include those stations having the longest and most complete records. In a few cases where data were missing the amounts have been interpolated, such data being printed in bold-face type. Records of stations near each other have been combined when the conditions of topography and exposure were practically the same for both.

C. F. SCHNEIDER, *Section Director.*

Precipitation in Western-Lower Michigan. Monthly, annual, and average amounts (in inches and hundredths).

[Figures in bold-face type estimated from surrounding stations.]

ALLEGAN, ALLEGAN COUNTY, MICH.—Elevation, 698 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888..	......	......	......	......	......	......	......	......	......	2.23	2.69	2.63	.....
1889..	1.77	1.83	1.34	2.28	3.95	6.82	3.65	0.13	3.94	1.67	2.96	2.49	32.83
1890..	3.72	2.24	2.42	4.33	4.73	5.33	1.29	2.55	2.35	5.03	2.41	1.97	38.37
1891..	1.73	3.69	**2.50**	2.34	2.05	4.24	2.98	3.35	1.47	1.20	5.66	2.02	33.43
1892..	1.98	2.17	1.80	2.87	7.12	10.25	3.21	1.48	3.56	1.04	2.56	3.19	41.23
1893..	3.51	2.85	3.16	5.65	3.07	2.96	3.09	0.35	3.75	3.11	3.19	3.20	37.89
1894..	1.86	1.69	2.10	2.27	8.14	2.52	0.96	0.61	2.82	2.76	2.05	1.44	29.22
1895..	3.36	0.84	0.86	1.44	2.32	1.28	0.50	4.57	1.41	0.65	3.46	5.44	26.13
1896..	1.12	2.04	1.47	2.24	3.40	2.50	8.49	2.47	8.04	1.31	4.10	......	.....
1897..	......	......	3.30	2.70	3.00	1.70	0.95	3.00	0.50	0.23	1.48	......	.....
1898..	2.40	3.55	4.24	......	....	3.12	0.72	0.91	3.66	3.81	3.85	3.00	.....
1899..	1.90	2.35	4.84	0.38	......	......	.....	0.00	1.54	3.30	......	1.85	.....
1900..	1.33	3.25	......	0.37	3.85	2.22	3.96	2.22	2.06	1.76	1.67	0.60	.....
1901..	0.88	1.05	2.05	0.40	1.11	1.71	1.92	1.43	1.06	3.55	1.85	2.00	19.01
1902..	0.17	1.50	......	......	5.12	5.20	3.98	0.55	5.62	2.87	2.86	3.65	.....
1903..	2.82	2.90	1.06	2.66	1.46	2.06	5.66	4.52	4.39	1.91	1.79	2.92	34.15
1904..	1.20	1.10	2.54	0.68	1.34	1.37	2.21	3.91	2.44	5.42	0.10	....	.....
1905..	1.45	......	2.67	2.12	6.45	3.55	......	3.05	......	2.12	......	......	.....
1906..	......	1.50	1.70	......	2.50	......	......	3.30	......	2.72	2.60	......	.....
1907..	......	0.30	......	......	......	3.00	......	1.50	......	......	2.60	2.30	.....
1908..	2.23	4.39	3.33	2.60	7.01	2.10	2.09	4.26	1.23	1.29	3.76	2.12	36.40
Mean	1.96	2.20	2.43	2.21	3.92	3.44	2.86	2.21	2.93	2.40	2.74	2.55	31.85

BATTLE CREEK, CALHOUN COUNTY, MICH.—Elevation, 822 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1876..	......	5.17	2.69	2.43	4.34	5.59	2.88	2.47	......	0.92	1.01	1.40	.....
1877..	**0.50**	0.00	**0.50**	2.85	1.50	4.25	4.85	3.64	1.17	2.94	4.12	1.08	27.40
1878..	0.19	3.85	1.32	0.68	0.94	2.31	2.90	2.10	4.00	3.50	0.16	3.45	25.40
1879..	**3.26**	1.65	1.22	0.80	1.57	**2.50**	1.60	1.40	2.22	0.85	0.42	2.04	18.53
1880..	1.75	0.40	0.50	0.13	0.12	......	......	3.55	2.60	4.60	1.70	2.30	.....
1881..	......	......	......	1.70	2.05	......	7.50	......	......	7.17	1.41	1.16	.....
1882..	2.84	6.10	3.69	1.93	4.65	8.00	5.95	4.75	3.75	1.92	1.78	1.15	46.51
1883..	0.57	9.75	0.10	......	......	16.24	5.00	0.50	1.65	8.00	4.37	0.65	.....
1884..	1.00	4.87	2.13	3.30	4.20	1.45	1.07	1.13	1.75	2.96	1.70	7.24	32.80
1885..	3.53	3.06	1.06	1.43	2.38	3.60	1.60	10.20	3.00	2.00	3.65	......	.....
1886..	1.60	0.53	......	0.76	2.19	3.12	0.76	3.40	......	0.66	1.48	......	.....
1887..	......	5.68	......	......	......	......	......	......	......	......	......	......	.....
1888..	......	......	......	......	......	1.32	0.67	0.60	......	......	......	......	.....
1889 1894	......	......	......	......	......	......	.....	......	......	......	.....	......	....
1895..	......	......	0.87	1.67	2.03	1.25	1.21	3.84	1.29	1.11	3.61	7.17	.....
1896..	1.49	1.56	1.39	3.48	2.40	7.16	7.55	2.76	6.60	1.76	2.64	0.52	39.31
1897..	4.80	1.22	3.31	2.18	2.85	3.60	1.69	1.99	0.86	2.15	4.08	2.66	31.39
1898..	4.04	3.25	4.21	0.99	2.18	4.12	0.91	1.47	2.50	3.30	3.16	2.25	32.38
1899..	2.72	2.16	3.61	1.33	4.10	4.17	2.12	3.13	2.53	3.72	1.40	2.50	33.49
1900..	1.10	3.66	2.75	1.96	4.32	4.12	7.79	2.40	1.03	2.55	4.74	0.60	37.02
1901..	2.45	1.84	3.12	2.25	2.58	4.34	3.44	2.11	1.08	4.17	1.09	3.31	31.78
1902..	0.32	0.52	3.09	2.22	4.36	8.05	7.74	0.36	6.90	1.79	3.61	2.47	41.43
1903..	3.32	1.66	0.65	3.63	2.39	2.24	3.18	6.55	2.93	1.77	1.95	2.65	32.92
1904..	1.85	2.45	4.33	1.10	2.60	0.37	2.80	4.87	3.96	2.98	0.08	1.58	28.97
1905..	1.55	1.30	2.81	2.67	7.43	5.45	5.71	3.08	2.22	1.69	......	1.14	.....
1906..	2.70	1.17	2.47	0.75	2.42	5.08	4.08	1.19	1.57	2.54	3.67	2.66	30.30
1907..	2.95	0.36	5.55	3.22	2.57	2.35	5.62	1.77	5.68	2.01	1.07	5.12	38.57
1908..	1.34	4.97	3.96	3.31	5.73	2. 3	1.16	4.98	1.10	0.52	2.82	2.04	34.06
Mean	2.08	2.80	2.41	1.95	3.01	4.28	3.59	2.97	2.74	2.70	2.32	2.48	33.33

CASSOPOLIS, CASS COUNTY, MICH.—Elevation, 903 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	......	......	......	......	......	......	......	......	......	......	6.55	0.15	.....
1901..	3.85	1.90	3.59	0.04	2.34	2.81	2.85	0.72	1.55	5.25	1.93	3.29	31.02
1902..	1.21	1.40	4.40	2.19	5.20	7.70	4.70	0.60	4.70	1.80	3.50	3.60	41.00
1903..	4.45	3.55	2.60	5.50	0.60	3.90	5.00	6.40	5.30	1.20	2.20	3.24	43.94
1904..	3.71	2.71	6.04	2.20	2.70	0.90	2.40	4.20	3.80	3.00	0.10	1.21	32.97
1905..	2.10	1.20	2.60	2.95	8.10	1.70	5.30	2.60	2.70	1.50	3.40	1.30	35.45
1906..	5.00	1.60	3.40	4.00	4.20	4.80	4.50	3.20	1.00	3.97	4.40	4.35	44.35
1907..	4.40	0.30	6.00	3.92	4.50	4.90	6.60	2.20	4.10	1.35	3.58	5.07	46.92
1908..	1.80	5.80	5.70	3.83	5.49	1.53	1.63	3.55	1.10	0.30	3.60	2.56	36.89
Mean	3.32	2.31	4.17	3.22	4.14	3.53	4.12	2.93	3.03	2.28	3.25	2.75	39.05

BIG RAPIDS, MECOSTA COUNTY, MICH.—Elevation, 906 feet.

Year.	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	......	......	......	2.59	1.69	1.06	4.40	6.96	1.04	4.17	1.22	.....
1897..	6.68	1.19	3.65	4.56	2.02	1.85	2.01	0.31	1.72	1.99	2.49	3.06	31.53
1898..	4.02	2.95	3.78	2.20	1.24	1.98	3.29	5.08	2.62	4.80	3.01	1.20	36.17
1899..	1.84	2.18	3.84	1.21	2.63	2.26	10.62	1.11	2.64	2.10	0.89	3.21	34.53
1900..	2.98	2.38	1.60	2.62	1.97	2.30	4.45	3.81	3.02	3.78	4.05	0.48	33.44
1901..	2.07	1.50	5.17	0.67	2.01	1.38	4.80	2.51	2.10	2.57	1.04	2.08	27.90
1902..	0.35	0.95	4.39	1.65	4.45	5.03	5.17	1.45	3.03	2.97	2.53	2.03	34.90
1903..	2.66	2.82	1.78	4.09	3.01	1.93	1.59	3.73	4.38	2.91	2.14	2.85	33.89
1904..	1.40	3.31	3.66	3.94	3.34	2.91	4.98	1.53	1.96	3.66	T.	2.41	33.13
1905..	1.61	1.60	2.30	2.31	6.76	5.03	5.36	3.62	3.34	3.64	2.46	2.20	40.23
1906..	5.77	3.06	2.65	1.97	2.44	1.74	2.29	4.69	3.98	4.66	3.84	2.28	39.37
1907..	3.91	1.23	4.01	2.12	2.10	3.36	2.26	2.88	4.71	0.68	2.50	3.20	32.96
1908..	2.74	3.95	3.44	4.05	5.07	2.12	3.26	1.82	1.27	0.51	3.72	2.36	34.31
Mean	3.00	2.26	3.36	2.62	3.05	2.58	3.93	2.84	3.21	2.72	2.53	2.27	34.37

CHARLEVOIX, CHARLEVOIX COUNTY, MICH.—Elevation, 610 feet.

Year.	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	.....	......	......	......	0.84	4.00	2.79	0.50	1.00	2.96	......	1.27	.....
1888..	2.75	......	......	......	3.11	0.45	2.35	1.95	5.71	......	......	....	.....
1889..	**2.50**	**2.00**	0.04	0.86	3.83	4.65	2.35	2.06	5.19	0.43	2.84	0.91	28.96
1890..	1.68	1.70	0.89	1.87	3.16	2.69	1.22	3.12	2.50	5.55	1.70	3.80	29.88
1891..	3.09	2.17	2.25	1.20	0.25	2.09	1.67	3.52	3.00	4.28	3.74	3.43	30.69
1892..	3.95	1.65	**1.20**	**2.50**	3.82	4.15	2.10	2.58	**2.50**	1.75	0.60	2.55	29.35
1893..	3.75	1.00	1.58	1.20	**2.14**	0.34	4.57	1.16	2.09	3.67	2.90	3.35	27.75
1894..	2.05	0.65	1.35	0.35	5.00	3.57	2.29	0.45	4.23	5.05	1.42	1.40	27.81
1895..	3.15	1.99	0.22	0.75	2.00	1.60	1.00	2.38	9.70	0.50	1.87	1.80	26.96
1896..	0.79	0.81	1.40	2.80	5.50	2.75	1.30	3.50	3.50	2.45	4.15	1.20	30.15
1897..	6.40	1.30	1.62	1.50	2.25	1.90	1.75	1.87	2.77	3.75	2.40	3.42	30.93
1898..	2.32	3.02	2.67	1.48	3.26	7.26	1.03	4.12	2.43	4.58	2.57	2.90	37.66
1899..	2.11	1.84	3.00	2.51	3.04	3.98	4.71	0.50	2.90	2.90	1.24	2.65	31.38
1900..	2.95	2.25	1.30	2.26	1.09	3.20	6.19	3.04	7.99	1.87	5.30	1.13	38.57
1901..	3.25	2.80	5.32	0.76	2.34	1.34	7.09	2.20	1.62	4.06	2.13	3.58	36.49
1902..	1.18	1.55	1.45	1.55	2.41	2.90	2.47	0.33	0.75	2.00	5.05	2.45	24.09
1903..	1.30	1.30	3.15	1.96	1.55	2.03	2.35	0.51	0.43	0.84	1.70	2.30	19.42
1904..	1.40	0.70	......	......	5.42	0.88	1.22	1.56	3.55	2.30	0.15	2.80	.....
1905..	......	3.05	1.07	......	2.02	2.82	......	1.27	......	2.10	2.04	1.10	.....
1906..	2.47	1.70	1.30	1.17	0.77	1.06	0.67	1.06	1.29	1.92	3.08	......	.....
1907..	2.23	0.85	1.20	1.42	0.70	1.14	1.69	2.31	3.44	1.44	2.10	1.29	19.81
1908..	......	2.74	......	......	......	1.12	2.64	0.26	3.52	0.81	3.19	2.00	.....
Mean	2.60	1.80	1.72	1.54	2.60	2.54	2.55	1.83	3.34	2.63	2.51	2.27	27.93

COLDWATER, BRANCH COUNTY, MICH.—Elevation, 984 feet.

Year.	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897..	......	......	......	2.65	5.30	2.39	4.64	1.74	0.31	1.84	5.48	2.17	.....
1898..	3.51	2.59	5.51	1.17	2.51	3.44	2.60	4.96	4.61	5.53	4.46	2.00	42.89
1899..	2.88	1.91	3.73	0.74	7.51	2.76	3.28	1.46	2.29	3.93	1.74	4.23	36.46
1900..	1.14	3.84	1.82	1.67	2.04	4.76	8.72	1.73	1.16	2.46	5.48	0.90	35.72
1901..	2.79	1.75	2.71	2.18	1.78	4.96	4.67	4.10	0.73	6.56	1.82	3.25	37.30
1902..	0.40	0.58	2.91	0.80	4.73	7.40	5.25	1.00	5.85	1.56	2.60	2.50	35.58
1903..	1.10	1.20	0.60	5.70	1.17	3.20	6.53	6.55	4.55	1.25	1.90	2.00	35.75
1904..	1.85	1.50	3.55	1.90	2.95	1.30	4.70	4.05	5.44	4.57	0.10	1.87	33.78
1905..	2.27	1.50	3.64	3.54	7.51	3.50	4.61	8.03	4.00	3.70	2.55	1.27	46.12
1906..	2.83	1.64	2.37	2.24	6.63	3.35	3.82	5.17	1.22	1.94	2.99	3.69	37.89
1907..	3.76	1.17	3.54	3.04	3.10	3.97	3.22	2.96	6.52	2.15	1.94	4.82	40.19
1908..	1.67	4.61	3.67	2.47	6.38	3.01	2.45	6.55	0.74	0.35	2.00	2.60	36.50
Mean	2.20	2.03	3.10	2.34	4.30	3.67	4.54	4.02	3.12	2.99	2.76	2.61	37.68

GRAND HAVEN, OTTAWA COUNTY, MICH.—Elevation, 628 feet.

Year.	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871..	......	......	......	......	......	5.30	1.56	3.69	1.23	1.75	2.33	1.38	.....
1872..	1.54	0.64	1.68	2.31	3.38	2.70	1.46	6.31	0.37	0.84	2.12	0.15	32.50
1873..	0.55	0.91	1.62	2.24	5.42	4.15	3.25	1.95	2.30	2.97	1.17	1.61	28.14
1874..	3.51	......	3.51	1.24	2.23	5.70	4.19	1.19	5.05	1.48	2.43	0.88	.....
1875..	......	0.05	0.31	2.33	4.14	1.74	2.53	2.39	3.29	6.17	1.44	2.70	.....
1876..	3.67	2.41	1.99	3.18	5.42	9.35	3.51	1.82	6.24	2.28	5.26	1.16	46.29
1877..	1.53	0.09	3.15	4.48	2.10	4.18	1.42	1.52	0.67	6.45	6.17	3.97	36.03
1878..	1.34	1.42	4.51	2.10	2.57	1.85	2.27	3.35	3.04	6.27	1.44	3.59	33.75
1879..	1.81	1.86	1.19	1.59	2.46	2.12	2.61	2.47	6.01	2.58	7.23	3.25	35.48
1880..	2.64	2.05	1.92	6.48	4.19	3.65	4.47	8.03	3.74	3.15	2.01	2.32	44.65
1881..	2.24	6.13	3.77	1.89	1.19	3.44	4.78	1.01	6.71	7.87	4.19	3.77	47.89
1882..	3.59	3.09	5.85	2.17	4.01	6.05	3.72	2.77	0.81	4.82	2.40	2.76	42.16
1883..	2.44	4.30	0.57	1.49	6.02	9.24	7.96	0.46	2.29	3.67	4.86	1.54	44.84
1884..	2.83	2.72	3.86	3.83	3.50	3.82	4.01	2.30	4.15	6.10	2.61	6.80	46.62
1885..	3.20	1.57	1.02	1.38	1.17	5.64	3.13	4.82	4.71	4.15	1.63	3.39	35.81
1886..	2.62	3.50	3.04	2.84	1.99	2.31	0.90	6.57	4.81	2.50	2.56	1.67	35.31
1887..	4.40	4.48	0.95	1.09	2.91	0.55	2.94	2.26	4.71	2.78	1.72	3.96	32.75
1888..	2.20	1.45	2.40	1.54	3.01	1.48	1.59	2.50	2.58	2.00	3.06	2.06	25.96
1889..	1.61	2.80	0.40	1.75	4.01	4.21	2.23	0.56	0.47	0.47	2.34	3.17	24.02
1890..	2.83	2.29	2.08	3.07	5.32	3.11	0.00	2.78	1.72	4.12	1.91	1.23	32.26
1891..	2.13	2.45	2.48	1.76	1.31	3.32	1.81	1.47	0.89	1.38	5.41	1.85	26.26
1892..	3.85	2.30	1.06	3.46	4.05	5.95	1.19	1.79	1.72	1.14	2.11	3.15	31.77
1893..	4.13	2.17	2.47	4.53	2.57	3.12	3.10	0.57	3.50	2.53	2.65	3.63	34.97
1894..	2.74	1.15	3.40	2.57	6.35	2.82	0.57	0.68	6.56	2.66	1.86	1.25	32.61
1895..	3.77	1.67	0.02	1.33	2.55	0.69	1.70	2.49	2.27	0.43	3.17	4.03	25.62
1896..	1.73	2.22	1.64	3.47	1.95	1.00	4.12	1.97	5.95	1.05	3.78	1.30	30.18
1897..	7.99	1.12	3.21	3.12	1.18	2.61	3.03	2.01	1.44	1.28	2.50	2.71	32.32
1898..	3.85	3.12	3.55	1.71	2.21	2.45	0.88	4.04	4.06	5.19	2.81	2.15	36.02
1899..	2.01	1.13	2.10	2.02	4.00	1.04	3.57	0.38	4.06	2.57	1.58	3.34	27.98
1900 ..	2.71	3.73	2.06	1.59	2.06	1.43	3.73	4.36	2.15	2.35	4.69	0.57	32.33
1901..	1.96	1.90	3.71	0.65	1.62	2.16	3.90	0.42	2.98	2.33	1.75	3.07	26.45

GRAND HAVEN, OTTAWA COUNTY, MICH.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902..	0.53	1.48	3.64	1.59	4.58	3.85	4.85	0.53	5.23	3.17	2.76	2.60	34.81
1903..	1.66	2.51	1.64	4.92	3.06	2.40	2.08	5.83	5.44	1.04	1.24	1.37	33.19
1904..	0.73	0.80	2.16	1.91	4.20	1.24	2.40	2.68	3.29	3.28	T.	1.[illegible]	23.97
1905..	0.75	0.78	1.12	1.65	5.53	4.88	3.78	7.82	3.04	3.07	2.53	2.00	37.85
1906..	3.72	2.55	1.58	1.60	1.89	2.19	1.65	2.49	3.84	3.27	2.78	2.26	29.82
1907..	4.18	0.86	2.53	2.73	2.36	3.09	6.19	3.23	4.49	1.41	2.18	2.79	36.04
1908..	1.67	2.84	1.96	4.14	4.20	0.98	2.00	5.78	2.84	0.90	3.94	2.10	33.35
Mean	2.63	2.11	2.33	2.48	3.29	3.32	2.89	2.85	3.62	2.96	2.83	2.47	33.78

GRAND RAPIDS, KENT COUNTY, MICH.—Elevation, 707 feet.

1870..	3.36	1.66	2.71	1.88	0.87	6.15	5.55	2.04	3.10	4.84	0.80	3.89	36.85
1871..	5.34	1.44	3.51	3.40	1.39	3.77	1.68	2.35	0.76	2.71	2.10	2.50	30.95
1872..	1.10	0.68	2.00	2.23	3.57	3.18	1.93	3.99	10.03	0.90	2.03	1.80	33.44
1873..	3.53	1.50	2.94	2.65	4.14	2.02	6.23	1.55	3.44	3.77	1.96	2.08	35.81
1874..	4.78	0.93	3.60	1.18	2.02	6.44	1.74	0.52	2.70	1.92	2.38	1.01	29.22
1875..	1.68	3.66	2.25	1.62	2.91	1.29	2.72	3.74	4.64	5.16	1.28	2.72	33.67
1876..	2.64	1.76	2.64	1.97	4.71	7.82	3.74	0.76	4.39	0.57	2.32	1.92	35.24
1877..	1.37	0.02	3.81	3.70	1.31	3.35	3.23	3.81	0.68	4.01	5.59	0.95	31.83
1878..	1.02	1.69	4.05	5.54	3.90	2.32	3.21	2.08	3.25	5.20	0.98	3.41	36.65
1879..	1.25	2.01	0.85	1.27	2.50	1.94	2.40	1.28	4.53	1.93	6.46	3.49	29.91
1880..	3.13	3.72	1.42	6.00	5.11	4.34	3.83	6.75	3.75	3.47	1.84	1.82	45.18
1881..	2.87	7.87	2.60	2.44	2.10	3.99	2.02	1.53	2.80	6.45	4.34	4.17	43.18
1882..	2.26	2.50	6.88	1.94	2.53	7.53	1.70	7.44	0.49	3.65	1.05	2.86	41.73
1883..	3.52	6.00	0.28	1.97	5.47	10.67	9.35	0.11	2.10	4.41	6.82	0.84	52.14
1884..	2.51	4.95	2.96	1.22	3.28	5.28	4.18	1.62	3.81	6.81	2.20	5.25	44.07
1885..	3.72	2.35	1.83	2.57	1.54	4.37	2.78	5.85	4.55	3.03	2.05	3.40	38.04
1886..	2.94	2.51	3.20	1.54	3.21	2.47	1.37	4.31	6.08	1.93	3.57	1.90	35.03
1887..	5.44	3.28	1.25	0.60	1.69	1.14	3.05	1.49	4.79	2.59	2.19	3.47	30.98
1888..	3.57	2.18	.....	.....	.....	.....	.....	1.43	2.07	0.73	.....	2.48	.....
1889..	3.46	1.[illegible]	0.45	1.90	3.43	5.78	2.38	0.83	2.34	0.48	1.41	3.49	27.25
1890..	2.03	1.05	1.21	3.41	5.33	3.42	1.31	2.89	0.27	3.23	1.46	0.99	26.60
1891..	.....	1.49	.....	.....	.....	.....	.....	.....	.....	.....	6.33	3.27	.....
1892..	2.77	1.47	1.21	.....	.....	13.22	2.89	2.28	1.78	1.26	3.20	.....	.....
1893..	.....	.....	.....	5.34	4.15	.....	.....	.....	3.27	3.26	3.50	6.95	.....
1894..	3.08	1.65	2.60	2.16	5.58	2.45	0.25	0.38	3.45	2.38	1.53	0.67	26.18
1895..	4.42	2.03	1.34	1.27	2.57	1.12	1.01	3.24	2.07	0.39	5.40	6.25	31.11
1896..	0.80	1.11	1.45	2.67	1.90	1.85	3.66	2.53	6.97	1.26	3.96	1.34	29.50
1897..	.....	1.17	4.69	3.07	1.66	1.91	1.72	1.06	1.11	0.97	2.56	3.77	.....
1898..	4.04	5.77	2.91	1.33	1.37	2.04	0.54	1.87	4.13	3.84	3.26	3.51	34.61
1899..	2.56	1.76	3.60	0.77	3.83	1.27	3.96	0.13	3.90	2.92	1.81	3.04	29.55
1900..	2.42	4.60	2.02	1.81	2.59	2.38	3.63	5.92	1.87	2.27	4.91	0.88	35.30
1901..	2.41	2.30	3.64	1.45	3.47	4.94	5.12	2.08	3.40	3.24	1.64	2.38	36.07
1902..	0.40	2.40	4.48	1.46	5.61	6.30	5.91	0.40	4.09	1.50	4.62	2.69	39.86
1903..	1.11	1.08	2.48	4.80	2.28	4.21	4.14	4.83	5.22	2.31	0.85	2.29	35.60
1904..	1.47	1.78	4.39	2.37	4.14	1.00	2.24	2.26	4.18	2.32	0.06	1.72	27.93
1905..	1.64	1.89	2.81	2.23	5.97	7.10	5.33	5.48	4.07	4.41	2.30	1.13	44.36
1906..	2.93	2.04	1.67	1.94	2.99	1.58	2.52	1.83	3.19	2.94	3.21	2.05	28.89
1907..	3.74	0.21	2.74	2.94	2.49	1.82	5.34	2.40	5.49	1.44	2.18	2.60	33.39
1908..	1.49	2.69	2.44	4.87	5.34	0.83	1.46	5.55	1.09	0.39	3.14	1.88	31.17
Mean	2.69	2.33	2.65	2.49	3.25	3.92	3.17	2.67	3.42	2.76	2.85	2.65	34.85

HART, OCEANA COUNTY, MICH.—Elevation, 698 feet.

1887..	.....	.....	.....	.....	1.30	0.43	1.10	3.37	5.32	3.10	1.45	4.78	.....
1888..	3.80	2.22	3.38	3.66	2.67	0.87	2.85	4.30	6.00	1.15	2.22	3.05	36.17
1889..	2.50	2.58	0.35	2.20	4.70	4.50	2.90	0.80	2.55	0.70	2.70	2.30	28.78
1890..	3.70	0.97	2.45	4.70	5.45	3.05	2.91	2.85	2.50	6.15	1.45	1.05	37.23
1891..	2.50	2.50	2.20	1.80	1.35	2.60	2.90	3.70	1.55	3.35	5.65	2.15	32.25
1892..	3.60	2.20	0.70	1.65	7.25	5.45	1.80	3.70	3.15	2.90	2.35	3.80	38.55
1893..	4.35	3.70	2.85	4.05	2.50	0.95	2.55	1.90	2.30	3.05	1.55	3.60	33.35
1894..	2.00	1.00	4.10	2.00	6.50	1.70	1.05	1.25	3.40	4.50	2.65	1.80	31.95
1895..	3.80	0.85	1.45	0.90	2.90	1.50	0.40	3.90	2.15	0.25	3.10	5.50	26.70
1896..	0.90	2.40	1.25	3.35	3.30	1.85	1.50	2.00	6.00	1.00	4.15	1.56	29.26
1897..	9.05	2.04	2.48	4.16	1.81	2.45	2.18	0.92	1.52	2.42	2.08	3.19	34.30
1898..	4.89	2.09	3.26	2.46	1.70	0.80	1.65	2.58	1.91	4.45	2.41	2.45	30.65
1899..	1.65	1.25	1.25	1.70	2.84	1.71	5.41	0.53	3.02	2.37	1.20	2.36	25.29
1900..	2.45	3.46	2.10	1.67	2.85	1.46	3.64	2.91	2.18	1.76	3.25	0.45	28.18
1901..	1.88	1.40	5.13	0.55	1.77	2.98	2.42	0.70	2.67	3.48	1.35	3.91	28.24
1902..	1.20	3.05	3.85	2.15	4.23	3.46	3.43	1.68	3.03	2.29	2.05	1.56	31.98
1903..	1.21	1.91	0.31	1.05	2.05	2.76	1.05	2.78	1.97	0.50	0.75	4.40	20.74
1904..	3.20	2.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1905..	.....	2.00	.....	.....	2.75	.....	.....	2.62	.....	.....	.....	.....	.....
1906..	.....	1.10	.....	.....	.....	1.12	1.79	.....	.....	.....	.....	.....	.....
1907..	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.25	.....	.....	.....
1908..	1.60	.....	.....	.....	.....	.....	1.46	1.32	0.75	.....	1.59	1.35	.....
Mean	3.02	2.05	2.32	2.38	3.22	2.20	2.26	2.31	2.89	2.54	2.30	2.74	30.23

MANCELONA, ANTRIM COUNTY, MICH.—Elevation, 1,121 feet.

1896..	.....	.....	.....	.....	.....	1.69	1.26	4.48	4.80	1.51	6.76	1.74	.....
1897..	4.66	2.33	3.06	5.74	4.30	1.95	1.88	2.74	2.91	4.02	3.64	5.11	42.34
1898..	3.07	1.87	2.94	1.49	4.15	5.26	1.05	5.08	1.55	5.13	2.14	3.50	37.23
1899..	1.80	0.80	2.80	2.70	1.89	5.73	1.80	1.60	3.38	3.53	0.35	3.58	29.96
1900..	2.39	2.96	1.00	0.90	0.44	3.76	7.16	3.43	5.40	4.01	5.36	3.00	39.81
1901..	4.14	3.00	2.85	0.67	2.69	1.30	4.72	4.59	5.90	5.95	2.28	2.37	40.46
1902..	2.25	2.05	1.24	2.78	4.37	4.02	4.03	0.76	3.59	2.90	4.15	1.55	33.69
1903..	3.90	2.40	0.80	0.50	0.50	0.35	0.40	0.65	0.65	0.82	1.20	5.20	17.37
1904..	2.20	1.10	0.40	0.60	.....	.....	.....	1.14	.....	2.71	0.28	1.14	.....
1905..	2.00	2.20	.....	.....	0.93	3.05	3.82	1.10	1.39	0.98	2.88	0.84	.....
1906..	1.74	1.20	0.80	.....	.....	.....	.....	.....	.....	.....	2.16	.....	.....
1907..	.....	0.93	1.37	1.11	1.05	2.03	0.90	0.75	3.90	2.50	1.60	.....	.....
1908..	1.28	2.25	.....	2.14	2.31	1.53	2.26	.....	3.45	0.77	2.50	2.30	.....
Mean	2.68	1.92	1.73	1.86	2.26	2.79	2.66	2.39	3.36	2.90	2.72	2.76	30.03

IVAN, KALKASKA COUNTY, MICH.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	.....	.....	.....	.....	3.00	4.66	1.89	0.87	4.17	0.98	3.17	3.71	.....
1890..	4.04	2.00	2.03	3.06	2.31	2.09	2.36	3.55	0.95	5.51	2.19	1.34	31.43
1891..	3.27	2.88	2.88	1.23	0.74	2.56	0.91	5.98	2.63	2.23	6.50	3.33	35.11
1892..	2.15	2.22	1.11	2.00	3.76	7.30	1.82	4.28	3.00	2.59	3.73	2.33	36.30
1893..	2.85	1.91	.....	2.40	1.93	0.92	4.35	1.26	.....	3.84	2.94	4.24	.....
1894..	2.23	1.11	3.10	1.63	5.51	3.35	0.80	0.45	3.79	4.07	2.35	0.97	29.36
1895..	3.09	1.35	0.89	1.59	4.23	1.51	0.33	2.27	3.52	2.22	2.36	3.01	26.37
1896..	1.28	1.05	1.25	2.45	6.46	1.12	1.40	3.18	5.83	0.76	4.84	0.87	30.49
1897..	.....	1.15	2.78	5.72	3.98	2.31	2.93	1.84	2.47	2.6[illegible]	1.69	4.84	.....
1898..	5.00	2.61	3.08	1.90	3.27	3.80	0.39	4.90	2.09	5.84	1.99	3.62	38.49
1899..	1.78	0.50	2.43	1.22	1.32	4.21	.....	2.50	2.40	1.82	0.53	2.96	.....
1900..	2.56	2.10	1.41	0.66	1.82	3.21	6.36	4.00	6.04	1.98	2.44	1.38	33.96
1901..	2.64	1.05	1.53	0.45	3.12	1.89	3.78	3.67	3.61	4.48	1.86	2.11	30.16
1902..	1.10	1.70	3.18	2.19	3.46	4.04	5.61	1.94	2.60	3.05	2.73	2.45	34.05
1903..	2.55	2.14	1.36	3.69	1.53	2.71	3.72	5.41	3.86	2.44	2.46	.....	.....
1904..	0.85	2.17	2.82	3.00	4.07	1.26	3.30	2.36	3.21	2.43	0.89	1.23	27.59
1905..	1.48	1.14	1.75	1.61	3.71	1.67	4.33	2.40	2.62	3.76	2.38	1.05	27.90
1906..	2.53	1.94	1.36	2.01	3.25	3.08	3.11	1.20	1.81	2.65	2.32	1.72	26.98
1907..	1.70	0.97	1.79	1.66	1.75	3.63	2.01	3.78	4.70	1.88	2.38	1.59	28.04
1908..	1.28	.....	1.79	2.29	3.30	1.92	3.68	1.87	1.57	0.70	2.10	1.74	.....
Mean	2.35	1.67	2.03	2.16	3.13	2.86	2.79	2.89	3.20	2.80	2.59	2.34	30.81

Note.—Precipitation record from July, 1893, to December, 1894, inclusive, was kept at Lodi, Mich., which is about five miles from Ivan.

KALAMAZOO, KALAMAZOO COUNTY, MICH.—Elevation, 955 feet.

1876..	2.45	4.13	3.54	0.92	5.23	7.85	3.25	1.46	4.10	1.41	2.00	0.98	37.32
1877..	1.91	0.12	7.33	3.89	2.10	5.67	6.50	4.18	2.55	5.28	5.77	2.48	47.78
1878..	2.19	2.81	5.14	5.76	4.13	1.78	5.30	4.15	2.23	4.47	2.13	5.73	45.82
1879..	1.10	1.57	2.51	2.22	2.31	3.12	6.63	2.52	6.28	2.91	4.48	3.56	39.21
1880..	3.01	2.06	1.16	8.00	5.95	4.52	4.42	2.41	3.31	2.49	2.19	1.65	41.17
1881..	1.16	5.44	2.05	1.39	3.12	5.60	3.94	0.47	5.22	6.57	2.63	3.44	41.03
1882..	1.55	3.09	3.52	2.45	5.32	5.37	1.75	3.85	6.53	2.28	1.25	2.74	33.70
1883..	2.23	2.47	0.42	1.37	6.38	8.10	4.14	0.42	1.02	2.97	4.65	2.16	36.33
1884..	2.69	4.32	3.42	2.11	3.96	4.86	2.59	1.82	2.39	2.88	1.81	7.14	39.99
1885..	4.58	2.84	1.07	2.20	1.44	3.48	2.28	8.94	3.56	4.38	3.11	2.63	40.51
1886..	3.80	1.64	1.64	1.38	3.64	2.98	2.16	4.67	5.63	1.29	1.36	2.02	32.21
1887..	2.28	4.85	1.35	1.33	4.01	5.64	0.79	1.69	4.69	2.41	2.18	3.26	34.48
1888..	1.89	1.50	2.22	1.07	4.92	4.14	2.37	0.63	2.40	2.46	2.49	1.94	28.03
1889..	1.46	1.35	1.84	1.11	4.86	4.94	4.82	0.31	1.90	1.41	2.20	2.30	28.50
1890..	3.45	1.53	1.96	3.40	4.66	3.77	1.14	2.81	5.03	4.32	2.51	1.35	35.96
1891..	1.56	3.35	2.10	2.65	3.06	5.84	3.81	3.24	1.40	0.97	4.96	1.47	34.41
1892..	1.20	2.26	1.25	2.59	7.04	6.90	1.80	2.51	2.42	0.31	3.08	1.97	33.33
1893..	1.53	2.35	2.89	5.32	4.42	2.94	3.17	0.75	3.47	3.08	2.09	2.79	34.80
1894.	1.57	0.98	1.30	2.35	8.33	1.64	1.34	0.91	1.64	2.53	2.40	1.08	26.07
1895..	3.44	1.37	0.67	1.28	3.52	1.64	1.09	4.63	2.81	1.13	3.32	6.67	31.57
1896..	1.56	1.97	1.40	2.30	2.76	4.00	8.00	6.20	8.32	2.47	3.55	0.87	43.40
1897..	6.98	1.10	3.10	3.17	3.30	4.59	2.35	2.20	0.91	1.97	4.01	2.81	36.49
1898..	3.09	2.50	2.32	1.29	1.56	3.55	0.53	1.97	2.57	3.66	3.45	2.44	28.93
1899..	1.61	1.80	4.74	2.03	5.31	4.54	3.22	1.05	3.45	3.44	2.02	3.27	36.48
1900..	1.77	3.00	1.98	2.03	4.01	3.09	7.81	2.78	0.33	3.17	4.94	0.38	35.29
1901..	1.32	2.71	1.91	0.45	2.25	2.16	3.31	1.33	0.06	2.98	0.31	3.00	21.70
1902.	0.50	0.81	2.24	1.88	3.44	5.21	6.23	2.06	5.11	2.98	3.65	4.06	38.17
1903..	2.85	2.37	1.50	4.87	2.50	1.80	3.72	3.37	8.50	0.58	2.78	5.71	35.55
1904..	1.70	1.91	4.43	3.30	2.66	1.15	2.72	3.35	3.08	1.84	0.50	2.80	29.44
1905..	.....	2.20	1.60	2.73	5.61	4.39	4.38	2.35	.....	.....	.....	1.08	.....
1906..	3.03	1.47	2.36	2.33	3.66	4.72	1.77	.....	1.38	2.63	2.49	2.56	.....
1907..	3.05	0.90	2.38	1.80	2.87	2.74	7.00	2.53	5.38	1.84	1.86	4.37	36.72
1908..	1.15	3.49	2.46	.....	7.70	1.36	1.10	4.38	1.55	0.68	3.25	1.98	.....
Mean	2.30	2.31	2.42	2.53	4.12	4.06	3.50	2.69	3.07	2.62	2.80	2.81	35.23

MANISTEE, MANISTEE COUNTY, MICH.—Elevation, 600 feet.

1888..	.....	.....	.....	.....	.....	.....	4.20	4.62	4.98	2.39	2.90	3.15	.....
1889..	3.05	2.53	0.06	2.04	3.62	4.96	2.42	1.30	3.06	0.45	2.89	3.29	29.67
1890..	5.64	2.55	2.64	3.93	3.17	3.03	2.34	2.69	1.12	5.59	2.53	1.02	36.25
1891..	2.32	2.25	2.92	0.91	0.12	2.43	1.86	3.16	2.40	1.95	5.03	3.44	28.79
1892..	4.45	1.94	0.86	1.73	3.58	5.11	2.37	4.59	3.62	2.07	2.86	1.97	35.15
1893..	2.51	1.85	1.69	3.71	2.55	1.90	3.27	1.07	.....	2.55	.....	.....	.....
1894..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1895..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1896..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.76	.....
1897..	5.07	0.67	0.60	4.00	2.79	1.95	1.28	1.36	2.23	2.79	3.25	3.86	29.85
1898..	5.30	2.05	3.38	3.50	2.50	2.93	0.98	2.90	1.20	3.82	2.32	1.26	32.14
1899..	0.79	.....	2.30	.....	.....	.....	4.41	1.08	.....	.....	0.54	.....	.....
1900..	1.22	3.65	1.85	1.50	2.27	1.75	.....	.....	.....	1.50	2.52	1.10	.....
1901..	2.78	2.00	4.40	0.41	2.21	1.78	4.62	1.60	3.18	3.40	1.73	4.06	32.17
1902..	0.90	1.80	4.51	1.53	5.74	5.93	9.01	0.97	.....	0.55	0.53	1.75	.....
1903..	1.80	1.30	3.00	.....	.....	.....	.....	0.08	0.40	0.23	.....	3.45	.....
1904..	1.45	4.70	1.30	.....	.....	.....	2.50	.....	.....	.....	0.40	.....	.....
1905..	1.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1906..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1907..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1908..	.....	2.50	.....	.....	.....	.....	.....	.....	0.45	.....	.....	1.50	.....
Mean	2.78	2.29	2.27	2.33	2.86	3.18	3.27	2.12	2.26	2.27	2.29	2.35	30.27

MUSKEGON, MUSKEGON COUNTY, MICH.—Elevation, 587 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	......	......	......	......	0.64	3.47	1.34	5.40	1.01	3.37	0.64	.....
1897..	7.72	0.40	2.45	2.81	1.13	1.74	2.47	1.28	0.90	2.02	1.76	1.78	26.46
1898..	2.60	1.66	1.35	1.28	2.67	1.98	1.25	2.20	2.55	5.05	2.40	1.14	26.13
1899..	2.75	1.89	1.75	0.75	3.97	1.56	3.00	0.36	4.23	1.20	1.26	3.50	26.22
1900..	1.85	3.15	1.45	1.05	3.37	2.49	1.92	2.50	1.62	2.80	4.61	0.73	27.74
1901..	1.90	1.70	3.20	1.05	1.22	4.03	6.67	1.06	4.37	1.82	1.41	1.22	29.65
1902..	0.35	1.18	3.83	1.11	4.46	3.49	7.11	0.61	4.15	2.57	2.25	2.35	33.46
1903..	1.50	1.90	1.02	3.26	2.38	1.60	3.40	3.88	5.78	1.47	1.72	3.60	32.41
1904..	1.57	2.95	3.73	2.02	6.20	3.01	4.53	2.50	4.11	6.15	0.04	1.38	38.19
1905..	2.35	1.25	2.50	1.55	5.72	8.05	6.56	4.54	4.23	4.23	1.73	1.27	13.98
1906..	2.47	1.88	1.59	1.47	1.67	1.82	1.60	2.69	4.94	3.30	3.40	1.74	28.57
1907..	3.03	0.85	3.47	2.41	1.99	2.46	3.71	2.38	4.14	0.65	1.95	4.11	31.15
1908..	2.40	5.30	2.13	3.59	3.64	1.33	1.54	3.57	1.90	0.95	4.10	2.60	33.05
Mean	2.54	2.01	2.45	1.86	3.22	2.63	3.63	2.22	3.72	2.56	2.46	2.00	31.30

OLD MISSION, GRAND TRAVERSE COUNTY, MICH.—Elevation, 848 feet.

1894..	......	0.36	2.22	1.63	4.06	3.24	0.73	0.42	2.59	4.10	2.06	0.66	.....
1895..	2.80	1.29	0.78	1.47	3.45	1.70	0.51	3.13	3.05	1.82	1.26	1.97	23.23
1896..	1.52	1.34	0.99	2.57	4.30	2.19	0.84	4.08	5.37	......	5.51	1.10	.....
1897..	3.11	1.64	3.55	4.14	3.84	1.81	1.98	3.53	2.65	2.87	1.40	3.14	33.69
1898..	3.41	2.09	3.10	2.59	3.12	3.71	0.75	4.67	3.21	5.27	......	2.35	.....
1899..	2.04	0.60	2.31	1.83	2.67	5.28	2.18	1.06	2.49	3.04	0.73	3.77	28.00
1900..	1.00	2.60	......	2.19	0.90	2.73	5.67	3.68	4.47	3.73	3.58	1.17	.....
1901..	2.13	2.16	3.21	0.31	2.84	1.50	3.77	2.71	3.86	3.99	1.62	2.39	30.49
1902..	1.20	......	2.72	1.87	4.22	3.21	3.35	1.07	2.61	2.97	3.66	1.48	.....
1903..	2.00	1.50	3.99	3.09	1.35	2.32	2.71	7.49	4.43	1.08	3.04	1.33	34.33
1904..	1.32	3.06	2.80	2.03	3.81	0.90	1.36	1.99	3.64	2.88	0.70	1.55	26.04
1905..	1.26	1.24	2.25	1.05	2.36	3.37	3.56	3.53	1.17	2.52	1.89	1.50	25.70
1906..	6.32	1.31	1.86	0.88	2.34	2.53	1.85	1.15	1.60	2.67	3.49	1.16	27.16
1907..	1.56	1.25	1.69	2.58	2.85	2.19	2.20	2.72	3.83	1.37	2.59	0.95	25.78
1908..	0.70	1.78	2.12	2.06	4.06	1.92	5.64	1.57	3.08	1.40	3.24	2.06	29.63
Mean	2.17	1.59	2.40	2.02	3.08	2.57	2.47	2.85	3.14	2.84	2.50	1.77	29.40

OLIVET, EATON COUNTY, MICH.—Elevation, 934 feet.

1887..	......	......	......	......	......	1.96	2.55	2.01	4.36	2.95	2.08	2.87	.....
1888..	2.06	1.59	2.31	1.43	5.50	1.93	......	......	......	2.63	2.54	1.50	.....
1889..	1.44	1.25	0.72	1.61	4.45	6.27	1.83	0.28	1.01	1.06	3.13	2.56	25.61
1890..	2.38	1.78	1.70	3.33	4.60	2.77	1.48	3.63	3.15	4.58	2.28	1.11	32.79
1891..	1.01	2.61	2.02	2.01	1.90	2.42	3.39	3.44	0.55	0.40	4.70	3.57	28.02
1892..	......	1.70	0.40	......	.....	......	......	......	......	0.45	2.62	1.56	.....
1893..	2.03	1.32	2.95	4.39	2.85	3.60	1.77	......	......	2.70	2.66	4.15	.....
1894..	1.00	1.36	0.40	......	4.60	......	......	......	......	......	......	......	.....
1895..	......	......	......	......	......	.....	1.78	4.64	9.30	1.20	3.03	7.58	.....
1896..	2.23	2.61	2.45	4.73	4.43	6.58	8.82	5.44	6.16	1.43	2.89	0.78	48.55
1897..	4.30	0.65	3.00	2.42	3.30	5.39	6.31	2.11	0.77	2.57	4.26	2.48	37.56
1898..	3.07	3.80	6.16	1.52	1.71	4.00	1.67	2.64	2.88	4.31	2.81	2.52	37.09
1899..	2.59	3.18	4.04	1.47	4.22	2.35	3.14	0.21	2.89	2.81	1.37	1.33	29.60
1900..	1.25	3.74	3.10	1.75	9.80	3.18	8.00	2.33	1.05	3.84	5.25	0.45	43.74
1901..	2.44	1.94	2.78	2.02	2.69	1.86	7.33	2.00	1.25	5.30	1.37	3.86	34.84
1902..	0.51	0.43	3.25	2.34	3.43	8.28	8.83	1.32	7.44	2.53	2.55	2.83	43.74
1903..	1.96	3.16	1.75	4.63	2.75	2.90	5.00	5.32	5.03	3.13	1.92	2.48	40.03
1904..	2.99	2.10	5.21	1.84	4.15	2.43	3.19	4.66	3.27	2.87	0.02	1.72	34.45
1905..	1.66	1.00	2.25	3.24	5.66	7.57	5.10	3.67	3.03	1.77	2.48	2.26	39.69
1906..	2.66	1.60	2.69	2.46	4.30	7.74	4.17	2.76	1.56	4.20	2.72	1.44	38.30
1907..	4.49	0.20	4.28	2.68	2.67	2.95	3.99	1.64	7.01	2.11	1.99	4.38	38.39
1908..	1.69	2.95	3.11	3.31	6.56	2.37	1.85	8.62	0.90	0.57	2.98	2.22	37.13
Mean	2.20	1.95	2.73	2.62	4.19	4.03	4.22	3.15	3.42	2.54	2.65	2.55	36.25

PETOSKEY, EMMET COUNTY, MICH.—Elevation, 660 feet.

1890..	......	......	.....	2.23	3.41	2.26	0.66	2.43	2.24	2.63	......	1.05	.....
1891..	1.95	2.74	2.44	1.84	T.	0.72	0.99	3.84	1.34	2.45	6.96	3.30	28.57
1892..	4.66	2.45	0.90	2.04	3.25	6.13	3.30	3.16	2.03	2.10	3.52	4.49	38.03
1893..	3.46	3.20	1.70	2.25	3.18	0.78	5.25	1.57	2.49	......	2.34	5.61	.....
1894..	3.82	1.30	3.07	1.44	6.13	3.67	1.12	0.86	2.52	4.28	2.22	1.57	32.00
1895..	......	0.70	......	0.83	......	1.73	0.46	1.50	4.42	0.62	2.50	1.20	.....
1896..	.....	......	......	......	......	2.37	1.66	6.57	4.51	2.85	5.58	0.58	...
1897..	3.21	1.83	3.05	4.03	3.23	2.60	1.55	2.60	2.25	2.74	2.37	5.05	34.51
1898..	3.22	2.98	2.75	1.44	3.77	6.12	1.76	3.08	2.84	4.63	2.74	2.17	37.50
1899..	2.15	1.32	2.32	2.19	......	......	......	......	2.38	1.98	0.93	3.36	.....
1900..	2.44	2.96	1.10	2.09	0.72	5.10	7.30	4.15	8.89	2.56	4.81	0.85	42.97
1901..	2.92	1.20	2.95	0.72	2.92	2.68	4.85	4.65	1.40	0.75	2.65	1.95	29.64
1902..	0.85	1.20	0.85	1.60	1.24	2.25	0.92	0.40	0.23	2.92	3.15	1.88	17.49
1903.	1.52	1.70	3.37	0.78	1.24	1.45	3.57	4.77	3.37	3.12	1.91	2.68	29.48
1904..	1.12	1.52	2.90	1.92	11.09	1.43	4.28	7.95	5.80	3.80	0.50	3.20	45.51
1905..	1.90	1.60	1.01	0.45	2.55	......	......	1.30	2.42	5.76	1.25	1.75	.....
1906..	1.80	0.40	1.20	0.70	0.75	1.35	1.15	1.30	2.36	2.62	5.63	1.39	20.65
1907..	2.19	0.64	1.00	0.86	1.18	4.87	......	2.45	......	1.85	2.40	1.05	.....
1908..	0.45	1.60	3.25	1.30	3.30	......	2.70	0.38	2.05	0.63	2.20	2.70	.....
Mean	2.35	1.73	2.12	1.60	3.00	2.84	2.60	2.94	2.97	2.68	2.98	2.41	30.22

NOTE.—Previous to 1896 this precipitation record was kept at Harbor Springs, which is across Little Traverse Bay, and distant about four miles.

ST. JOSEPH, BERRIEN COUNTY, MICH.—Elevation, 593 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1876..	1.27	......	......	0.35	1.78	3.33	2.19	0.53	1.29	0.70	......	3.00	.....
1877..	......	......	......	1.43	1.98	4.31	1.92	3.12	4.70	6.10	4.61	1.50	.....
1878..	1.77	..	1.64	5.98	3.17	1.32	4.01	3.40	2.60	3.70	0.84	0.81	.....
1879..	......	......	0.65	0.43	......	......	......	0.42	4.97	......		2.33	.....
1880..	0.54	.....	0.45	5.82	4.86	1.90	......	.....	4.50	1.41	......	......	.....
1881..	......	......	.....	0.10	......	......	......	......	.....	.....	......	......	.....
1882–6	......	......	......	....	......	......	......	..	......	......	......	......	.....
1887..	3.56	6.05	1.61	0.62	3.35	1.08	0.56	3.46		......	......	......	.....
1888..	2.00	1.71	3.66	1.44	4.09	3.49	3.48	1.12	1.84	......	3.02	2.66	.....
1889..	1.86	3. 6	1.75	2.16	4.78	......	. . ..	......	3.80	1.32	3.78	2.05	.....
1890..	2.84	2.07	2.77	3.99	4.31	5.24	2.60	2.48	2.17	7.36	2.51	1.28	39.62
1891..	2.24	2.80	2.81	......	2.59	3.61	2.43	3.03	1.13	1.09	5.11	2.08	.....
1892..	1.79	2.02	1.76	3.26	8.15	9.78	2.94	1.25	3.36	2.60	2.98	3.31	43.20
1893..	6.01	2.93	3.93	5.37	4.96	3.20	2.44	0.42	3.68	5.01	3.51	2.95	44.41
1894..	2.11	3.84	2.79	2.50	6.18	1.88	0.90	0.14	4.55	......	......	......	.....
1895..	.....	......	......	......	......	3.60	......	.. ..	1.61	0.14	5.30	10.56	.....
1896..	1.90	3.34	2.14	4.25	8.10	1.52	4.63	......	4.94	2.18	3.25	1.03	.....
1897..	4.31	3.23	2.68	2.07	0.11	0.84	0.16	1.44	0.87	1.81	4.16	3.00	24.68
1898..	2.34	2.76	4.31	2.40	3.08	2.69	1.74	2.42	1.62	6.75	2.12	2.75	34.98
1899..	0.25	2.19	2.26	1.10	4.86	1.23	2.93	1.01	2.31	2.49	1.92	3.81	26.36
1900..	1.47	5.74	1.52	1.45	3.50	1.25	4.67	7.73	......	2.97	3.86	0.01	.....
1901..	1.61	2.10	3.24	0.20	1.12	1.30	2.40	2.38	2.86	4.72	1.16	3.96	27.05
1902..	0.94	1.77	4.24	3.93	5.51	7.38	4.66	1.59	4.37	3.43	3.25	4.05	45.12
1903..	2.41	2.10	2.01	3.85	1.45	3.70	4.45	3.50	2.05	0.85	1.10	5.00	32.47
1904..	3.30	1.20	2.40	1.15	......	1.00	1.10	......	3.90	1.25	0.02	......	.....
1905..	......	2.10	...	......	......	1.09	3.65	1.81	3.89	1.75	2.68	1.18	.....
1906..	3.51	2.56	3.24	2.40	3.40	3.34	2.07	0.87	2.09	3.44	4.27	3.18	34.37
1907..	5.50	0.47	3.37	2.34	4.33	4.41	5.28	2.12	4.56	1.74	1.96	4.66	40.74
1908..	2.75	5.16	4.08	2.75	5.68	3.61	1.42	3.30	2.21	1.27	1.96	2.30	36.49
Mean	2.44	2.82	2.55	2.45	3.97	3.05	2.81	2.43	3.03	2.79	2.88	2.93	34.15

NOTE.—This record was kept at Benton Harbor from January 1, 1887, to June, 1898. The two cities are separated only by the St. Joseph River.

SARANAC, IONIA COUNTY, MICH.—Elevation, 639 feet.

1879..	.... .	......	......	......	3.40	2.40	3.65	1.35	5.95	5.90	4.06	2.57	.....
1880..	1.71	2.26	1.81	7.00	6.10	4.00	2.98	4.80	3.65	4.02	3.05	4.00	15.38
1881..	2.17	2.26	1.19	2.50	0.50	......	1.35	1.05	3.40	6.55	3.90	1.60	.....
1882..	0.90	2.55	......	......	......	7.27	1.66	9.83	1.05	2.45	1.83	2.12	.....
1883..	2.50	4.78	0.77	1.70	6.43	8.49	7.44	0.07	3.20	3.28	3.76	1.27	43.69
1884..	2.24	3.37	3.51	2.16	2.81	2.93	3.02	0.55	3.26	4.30	1.91	5.25	35.31
1885..	3.15	2.19	1.21	2.04	0.66	3.31	0.87	4.30	4.68	1.85	4.15	0.70	29.11
1886..	2.56	2.55	......	1.20	......	......	.....	2.40	6.80	1.30	1.30	......	.....
1887..	4.95	2.55	......	......	.....	......	......	......	.....	......	......	......	.....
1888..		......	......	......	4.26	2.61	1.41	3.49	1.80	2.09	3.02	1.50	.....
1889..	3.26	1.11	0.24	1.39	3.47	......	2.70	0.61	1.33	......	......	3.77	.....
1890..	2.75	2.57	2.45	1.62	5.17	2.52	2.65	2.25	.....	4.41	2.49	1.58	.....
1891..	1.57	......	0.60	......	......	......	......	... ..	....	......	......	.... .	.....
1892–4	......	......	......	......	......	......	......	.....	......	......	......	......	.....
1895..	......	......	.....	......	......	......	......	3.83	2.52	0.32	3.75	5.82	.....
1896..	0.75	1.03	1.10	2.50	1.99	1.38	2.24	4.65	6.31	1.01	......	1.30	.....
1897..	4.18	0.29	2.78	2.66	1.92	1.80	3.22	1.32	1.00	2.09	2.53	1.95	25.74
1898..	......	......	2.46	1.36		3.45	0.40	3.19	2.75	3.41	1.79	1.01	.....
1899..	0.93	0.58		0.99	4.02	0.82	2.21	0.01	3.30	1.65	1.15	1.70	.....
1900..	0.93	3.30	1.20	1.15	2.75	2.65	3.70	7.40	0.95	1.50	2.57	0.19	28.29
1901..	1.87	0.80	2.23	1.60	2.20	3.30	3.61	2.70	1.00	3.61	0.90	1.92	25.74
1902..	......	0.60	1.31	0.86	3.00	6.20	6.00	......	....	......	......	......	.....
1903..	......	......	......	2.20	2.00	2.50	......	......	......	......	.....	......	. ...
1904–5	......	......	......	......	......	......	......	.....	......	.. ...	......	......	.....
1906..	......	.....	......	......	......		......	......	......	2.20	1.86	2.44	.....
1907..	2.37	0.10	2.83	3.21	2.18	2.36	5.23	5.17	6.21	1.44	2.34	3.81	37.25
1908..	1.73	2.43	2.12	4.64	7.84	1.26	3.24	5.39	0.87	0.51	2.84	1.58	34.45
Mean	2.25	1.96	1.74	2.27	3.44	3.29	3.03	3.22	3.16	2.69	2.59	2.30	31.94

NOTE.—From 1879 to 1891, inclusive, and from 1897 to 1903, inclusive, this record was kept at Ionia, which is about ten miles from Saranac.

SOUTH HAVEN, VAN BUREN COUNTY, MICH.—Elevation, 585 feet.

1895..	......	......	......	......	......	......	.....	......	1.06	0.47	1.67	7.61	.....
1896..	2.35	1.66	1.80	2.35	1.39	1.10	5.92	1.39	7.68	0.79	2.56	0.91	29.90
1897..	4.47	......	2.48	1.99	1.59	1.55	0.80	1.98	1.05	1.27	2.66	......	.....
1898..	......	....	.....	. .	1.79	2.25	0.58	1.70	5.04	5.31	2.49	2.47	. ...
1899..	1.46	1.00	1.73	1.06	3.91	2.21	2.90	1.07	2.88	2.08	1.52	4.68	26.50
1900..	1.38	4.70	2.80	1.76	2.07	1.79	7.24	8.31	1.28	2.33	5.75	0.59	40.00
1901..	1.39	0.80	2.97	0.80	2.82	3.04	1.75	1.40	2.02	4.44	1.16	3.01	25.60
1902..	0.61	1.25	4.30	2.13	4.19	5.07	3.90	0.65	6.25	1.87	3.92	2.32	36.46
1903..	2.37	2.23	2.97	3.80	2.39	1.75	5.28	4.74	2.59	1.26	1.18	4.14	34.70
1904..	2.42	1.48	7.32	1.90	1.05	0.76	3.71	5.18	2.79	2.17	0.22	1.99	30.99
1905..	0.79	1.19	2.93	3.12	7.16	2.90	3.42	3.65	2.48	3.13	2.46	1.65	34.88
1906..	2.54	2.02	2.24	3.14	3.86	2.45	2.51	1.90	2.95	2.93	3.02	2.77	32.33
1907..	3.76	0.25	2.60	2.81	2.79	2.49	......	2.11	3.97	1.76	5.84	4.93	.....
1908..	1.91	1.79	4.10	2.57	4.24	1.15	2.43	3.58	1.50	0.67	2.38	2.07	28.39
Mean	2.12	1.67	3.19	2.29	3.02	2.19	3.37	2.90	3.11	2.18	2.63	3.01	31.68

TRAVERSE CITY, GRAND TRAVERSE COUNTY, MICH.—Elevation, 588 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	......	......	......	......	0.52	1.61	1.66	6.07	1.50	......	......	.....
1897..	3.88	1.77	2.12	5.00	3.48	2.31	1.98	2.27	2.00	3.01	1.19	2.73	31.74
1898..	5.26	2.55	2.06	2.99	2.86	3.42	0.94	4.87	1.46	6.53	1.29	3.20	37.43
1899..	1.09	0.39	1.52	1.79	1.42	5.06	4.35	0.94	1.83	1.96	0.66	4.52	25.53
1900..	2.45	3.00	2.00	1.22	0.17	1.38	7.93	3.35	3.04	3.46	3.62	2.03	33.95
1901..	3.60	1.25	3.12	0.40	1.71	2.16	3.97	2.97	3.75	4.38	2.04	2.50	31.85
1902..	2.00	1.80	1.64	0.97	3.30	2.89	5.60	1.07	......	......	......	1.55	.....
1903..	2.08	1.60	3.85	1.87	2.53	2.51	2.39	3.20	3.98	1.32	3.62	2.30	31.25
1904..	0.40	3.10	1.21	2.22	3.63	0.50	1.82	3.66	4.10	2.68	1.07	1.63	26.02
1905..	.....	2.05	1.79	1.06	3.19	2.25	7.46	3.01	1.90	3.10	1.93	2.71	.....
1906..	2.57	2.16	2.06	0.30	1.42	2.78	1.30	0.82	2.84	3.23	3.59	3.05	26.12
1907..	3.66	1.44	2.30	2.93	2.84	2.01	1.57	1.28	3.79	0.67	2.31	1.62	26.42
1908..	1.48	3.64	2.10	......	......	......	......	......	0.88	0.72	2.51	2.01	.....
Mean	2.59	2.06	2.15	1.89	2.44	2.32	3.41	2.43	2.97	2.71	2.17	2.49	29.63

WASEPI, ST. JOSEPH COUNTY, MICH.—Elevation, 842 feet.

1880..	2.90	4.20	2.38	8.42	8.71	6.09	2.51	3.56	1.72	1.83	2.88	1.55	46.75
1881..	1.75	5.98	3.10	1.80	1.54	7.89	5.02	0.61	5.39	8.19	7.47	5.14	53.88
1882..	3.06	4.04	4.62	3.84	6.45	7.65	5.35	8.09	1.08	2.87	2.23	3.77	52.05
1883 .	2.39	7.30	0.91	2.80	9.26	7.55	9.27	1.60	1.68	3.80	7.92	0.79	55.27
1884..	2.07	4.30	4.00	2.05	4.31	2.36	3.26	1.09	2.37	5.24	2.78	4.38	38.21
1885..	4.26	2.50	1.06	3.15	3.47	2.18	10.48	10.31	4.33	5.06	3.43	3.76	53.99
1886..	3.93	1.82	1.87	3.79	3.04	3.32	1.31	7.11	8.11	1.38	1.33	3.27	40.28
1887..	3.83	8.09	1.39	0.89	3.50	3.50	1.50	2.51	4.03	3.68	3.22	4.76	40.90
1888..	2.44	2.01	2.80	1.90	6.82	2.69	1.87	0.69	2.36	2.13	3.49	2.47	31.67
1889..	2.59	2.64	2.52	1.10	5.08	3.32	10.93	1.15	1.33	1.83	4.60	3.13	40.22
1890..	4.44	2.14	2.62	4.85	6.58	5.22	0.43	3.90	3.59	7.10	2.36	3.12	46.35
1891..	1.42	4.85	2.89	3.29	2.50	2.34	2.61	3.87	1.50	0.86	6.30	1.79	34.22
1892..	1.25	2.55	2.13	3.13	9.94	5.97	2.36	0.99	3.45	0.63	4.79	2.42	37.61
1893..	2.17	3.46	4.05	7.63	4.62	3.61	3.36	0.53	3.45	3.05	3.51	3.21	42.65
1894..	1.83	2.12	......	3.95	7.28	2.03	1.39	0.29	4.09	2.49	1.89	1.38	.....
1895..	2.77	1.13	1.09	1.36	1.83	1.41	2.06	4.73	1.00	1.20	3.88	8.22	30.68
1896..	1.61	1.40	1.88	3.09	2.93	2.70	6.19	7.02	6.84	0.84	3.28	0.82	38.60
1897..	4.24	1.44	3.42	2.10	4.24	1.59	2.03	1.93	0.75	1.22	4.74	2.63	30.33
1898..	3.30	2.45	4.51	0.91	2.94	3.19	2.36	4.96	3.53	3.91	3.37	2.18	37.64
1899..	2.80	2.33	4.27	0.60	4.75	2.66	2.87	2.63	3.35	4.16	1.63	2.71	34.76
1900..	0.99	4.39	2.52	1.50	2.96	3.58	7.15	2.95	1.11	2.76	5.50	0.54	35.95
1901..	2.52	2.45	3.89	2.06	2.53	3.99	3.06	1.05	1.17	5.70	1.80	3.65	33.87
1902..	0.52	0.76	3.16	1.58	6.13	8.36	4.07	0.86	5.91	1.72	2.66	3.76	39.49
1903..	2.24	4.12	1.80	5.35	1.62	3.50	6.97	5.53	3.15	1.53	1.60	3.24	40.65
1904..	3.50	2.24	6.98	2.27	2.97	1.61	8.27	4.55	3.80	2.19	0.01	2.22	40.61
1905..	2.59	1.41	3.12	3.20	7.41	2.56	4.31	3.54	3.18	3.52	2.80	1.62	39.26
1906..	2.46	1.20	2.61	3.21	3.79	6.25	2.76	3.23	1.14	3.02	3.48	4.16	37.34
1907..	3.56	0.29	5.06	3.20	3.38	5.99	5.02	1.77	5.88	2.71	1.80	4.93	43.59
1908..	1.39	4.10	5.35	3.18	8.27	2.48	3.29	5.87	1.15	0.37	3.10	2.83	41.38
Mean	2.58	3.02	3.07	2.97	4.79	3.99	4.21	3.34	3.12	2.93	3.31	3.02	40.35

NOTE.—Prior to 1897 this record was kept at Parkville, which is about seven miles from Wasepi.

MISCELLANEOUS DATA.

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June	July.	August.	September.	October.	November.	December.	Annual.
Big Rapids	16	9	9	12	9	9	8	8	7	9	8	9	8	105
Charlevoix	21	11	8	6	7	6	7	6	6	7	7	8	9	88
Grand Haven	39	18	15	14	11	12	10	9	9	10	11	14	16	149
Grand Rapids	20	12	10	10	9	10	8	8	7	8	8	9	12	111
Hart	17	9	8	7	5	7	6	6	6	6	6	6	9	81
Kalamazoo	23	11	10	9	9	11	11	8	7	8	9	10	11	114
Mancelona	13	10	8	6	6	8	7	7	7	8	9	9	11	103
Manistee	12	13	12	10	8	10	8	7	7	8	10	9	11	113
Muskegon	13	8	9	7	7	8	7	6	5	7	6	7	8	85
Olivet	21	10	10	9	10	11	10	8	8	7	8	10	11	112
St. Joseph	20	11	10	10	7	10	8	7	6	8	8	10	11	106
Saranac	12	10	6	8	7	10	7	8	7	8	6	8	8	93
Traverse City	20	13	10	9	7	8	6	7	6	7	8	10	11	102
Wasepi	12	10	9	12	9	12	10	10	9	8	9	11	12	121

Mean temperature.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Big Rapids	13	20.0	16.7	29.6	43.6	55.4	63.9	68.5	66.2	59.6	48.1	35.0	23.8	44.2
Charlevoix	22	20.7	17.5	26.4	40.7	52.0	62.1	67.6	66.3	60.7	49.4	36.8	28.3	44.0
Grand Haven	39	24.6	23.8	31.5	43.8	54.4	64.1	68.8	67.3	61.2	50.1	37.9	29.2	46.4
Grand Rapids	20	23.8	25.5	33.0	46.2	59.0	68.1	72.6	70.0	61.8	50.1	38.1	28.8	48.1
Hart	17	22.3	21.2	30.4	45.4	54.7	65.5	69.4	66.6	60.1	49.6	38.0	28.5	46.0
Kalamazoo	33	23.6	23.9	32.8	46.8	58.2	68.0	72.3	69.9	63.1	50.9	37.6	27.8	47.9
Mancelona	12	19.0	14.8	27.2	41.3	52.6	62.8	67.4	64.5	58.1	47.2	34.7	22.4	42.7
Manistee	11	23.7	19.4	29.9	42.6	52.8	62.5	67.0	65.0	60.1	48.6	36.7	27.6	44.7
Muskegon	12	23.3	20.0	32.0	44.0	55.7	65.0	70.2	68.5	62.0	51.1	38.8	27.7	46.5
Olivet	21	23.0	21.0	32.3	45.4	56.6	66.3	70.6	68.0	61.5	48.9	36.6	26.9	46.5
St. Joseph	20	26.6	26.8	36.0	46.4	57.3	65.3	72.7	70.5	63.8	52.4	40.4	31.2	49.1
Saranac	14	22.7	23.2	28.7	44.6	57.5	67.4	71.7	68.3	61.7	49.0	36.3	27.5	46.6
Traverse City	12	22.4	18.5	29.0	40.9	52.0	62.9	69.0	67.3	61.1	50.6	37.0	26.3	44.8
Wasepi	12	23.6	21.5	34.8	45.7	58.0	65.8	71.1	68.9	63.0	52.0	38.1	25.9	47.4

Highest temperatures by months.

Big Rapids	16	55	56	76	87	90	96	97	97	92	83	69	56	97
Charlevoix	22	54	53	76	88	94	96	98	96	95	86	69	56	98
Grand Haven	39	61	59	74	84	87	93	94	92	92	82	72	61	94
Grand Rapids	20	64	59	78	90	98	99	102	98	98	89	71	60	102
Hart	18	57	57	74	86	90	101	101	98	96	87	68	58	101
Kalamazoo	27	67	62	79	87	93	95	100	100	96	89	71	63	100
Mancelona	13	52	52	68	89	89	101	99	96	94	83	68	55	101
Manistee	17	56	55	67	80	86	93	96	93	93	83	70	57	96
Muskegon	13	57	57	73	79	85	94	95	93	90	86	70	57	95
Olivet	20	62	62	75	85	87	91	96	95	92	85	70	60	96
St. Joseph	21	65	66	80	90	95	97	100	100	95	87	71	65	100
Saranac	9	57	60	76	88	95	97	99	99	96	88	74	59	99
Traverse City	15	55	52	77	88	97	102	104	97	95	85	72	54	104
Wasepi	12	64	62	75	88	88	92	97	95	95	87	70	58	97

Lowest temperatures by months.

Big Rapids	16	—29	—36	—15	9	20	28	32	32	22	10	0	—16	—36
Charlevoix	22	—22	—33	—26	5	22	33	41	38	29	20	10	0	—33
Grand Haven	39	—12	—25	— 5	9	27	37	40	42	30	20	0	—12	—25
Grand Rapids	20	—20	—24	—10	13	21	35	42	41	30	17	—9	— 7	—24
Hart	18	—15	—35	—15	10	18	30	32	32	20	15	2	0	—35
Kalamazoo	27	—15	—25	—14	6	25	36	43	42	30	20	—2	—19	—25
Mancelona	13	—20	—43	—19	7	12	25	31	28	24	11	—2	—18	—43
Manistee	15	—13	—27	— 8	9	22	31	38	36	33	15	8	— 4	—27
Muskegon	13	—10	—30	—11	14	27	39	42	41	31	19	5	—10	—30
Olivet	19	—13	—19	— 5	15	25	30	41	40	28	15	7	—10	—19
St. Joseph	20	—12	—15	— 4	15	29	35	41	39	30	20	10	5	—15
Saranac	9	—24	—25	— 7	13	22	25	40	36	25	11	1	—12	—25
Traverse City	15	—23	—33	—17	6	22	33	38	38	27	13	8	— 6	—33
Wasepi	12	—19	—22	0	13	25	35	44	41	28	18	8	—16	—22

Average depth of snowfall.

Big Rapids	15	14.1	12.3	6.6	2.3	0.4	....	....	....	....	0.4	2.1	11.8	50.0
Charlevoix	21	18.5	15.0	9.1	2.0	0.4	....	....	....	....	0.8	6.2	18.5	70.5
Grand Haven	18	16.5	12.9	7.0	1.3	0.4	....	....	....	....	0.2	6.7	12.9	57.9
Grand Rapids	18	14.2	12.7	5.6	1.1	0.3	....	....	....	....	0.2	4.9	10.2	49.2
Hart	17	19.1	15.6	7.7	1.3	0.2	....	....	....	T.	T.	5.2	15.6	64.8
Kalamazoo	23	14.4	13.4	4.9	1.7	0.3	....	....	...	....	0.2	4.8	11.4	51.1
Mancelona	13	23.0	16.8	8.5	2.1	0.9	...	....	....	0.5	1.6	11.1	23.5	88.0
Manistee	15	21.4	21.2	10.2	1.5	T.	....	....	....	....	0.7	5.1	21.5	81.6
Muskegon	12	12.2	12.3	5.3	1.0	0.3	....	....	....	....	0.3	3.5	7.3	42.2
Olivet	20	9.6	11.1	6.6	1.5	0.3	....	....	...	....	0.2	4.6	11.6	45.5
St. Joseph	21	13.4	14.9	5.5	0.5	....	....	....	....	....	0.3	3.7	10.8	39.1
Saranac	12	9.1	9.9	6.6	0.9	0.2	....	....	....	....	0.3	3.3	7.4	37.7
Traverse City	18	23.4	18.9	11.0	3.1	0.4	....	....	....	T.	0.8	10.5	18.1	86.3
Wasepi	12	9.7	11.1	7.0	0.8	T.	...	....	....	....	0.2	3.2	9.0	41.0

Mean relative humidity.

Grand Haven	18	86	86	81	73	72	74	72	76	77	78	80	84	78
Grand Rapids	7	86	83	78	70	69	70	68	73	76	76	80	86	76

Average hourly wind movement, in miles.

Grand Haven	18	13	12	12	12	11	9	9	8	10	11	13	13	11
Grand Rapids	7	12	12	12	12	11	9	9	9	9	10	12	12	11

Direction of prevailing wind.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Big Rapids	16	nw	nw	nw	nw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Charlevoix	22	w	nw	nw	nw	sw	sw	nw	sw	sw	sw	nw	sw	sw
Grand Haven	20	nw	nw	nw	nw	sw	sw	sw	sw	sw	sw	nw	nw	nw
Grand Rapids	19	nw	sw	nw	sw	sw	sw	sw	sw	sw	nw	sw	sw	sw
Hart	19	w	s	s	s	s	sw	sw	sw	s	s	sw	sw	s
Kalamazoo	23	sw	sw	nw	w	w	sw	sw	sw	sw	sw	sw	sw	sw
Mancelona	13	w	ne	sw	nw	nw	sw	s	w	w	w	nw	sw	w
Manistee	17	nw	nw	nw	nw	sw	sw	sw	sw	sw	sw	nw	sw	sw
Muskegon	12	s	nw	s	w	w	w	w	w	s	s	w	s	w
Olivet	19	sw	sw	nw	nw	sw	sw	sw	sw	sw	nw	sw	sw	sw
St. Joseph	19	sw	nw	nw	nw	sw	sw	nw	nw	sw	nw	nw	sw	nw
Saranac	....	w	w	w	w	w	w	w	w	sw	sw	w	w	w
Traverse City	18	s	sw	n	n	n	sw	n	n	sw	sw	sw	sw	sw
Wasepi	12	sw	sw	nw	nw	nw	sw	sw	nw	sw	sw	sw	sw	sw

Frost data.

Stations.	Length of record, years.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Big Rapids	10	Sept. 23	May 14	Sept. 3	May 29.
Charlevoix	8	Oct. 12	May 14	Sept. 22	May 27.
Grand Haven	18	Oct. 12	April 28	Sept. 23	May 28.
Grand Rapids	15	Oct. 12	May 1	Sept. 23	May 28.
Hart	4	Oct. 1	May 13	Sept. 14	May 28.
Kalamazoo	9	Oct. 7	May 4	Sept. 14	May 21.
Mancelona	8	Sept. 28	May 24	Sept. 10	June 12.
Manistee	6	Oct. 3	May 18	Sept. 29	May 28.
Muskegon	9	Sept. 29	May 5	Sept. 14	May 20.
Olivet	9	Oct. 5	May 7	Sept. 14	May 21.
St. Joseph	6	Oct. 12	April 17	Sept. 11	April 28.
Saranac	7	Oct. 2	May 13	Sept. 11	May 28.
Traverse City	8	Oct. 5	May 17	Sept. 17	May 29.
Wasepi	10	Oct. 11	May 4	Sept. 14	May 22.

HYDROGRAPHIC DATA FOR SECTION 62.

Summary of Climatological Data for the United States, Compiled From the Records of the United States Geological Survey.

By R. H. Bolster, *Assistant Engineer*.

PRELIMINARY NOTE: Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.

This section lies in the western part of the lower peninsula of Michigan. It is drained principally by rivers flowing west into Lake Michigan.

Manistee River is the most northerly of the group of large rivers draining central Michigan and flowing in a westerly direction into Lake Michigan. The fall of the stream is very gradual and relatively little utilization of water power has been made, the principal use of the stream being for rafting logs. Manistee, at the mouth of the river, affording an excellent harbor, is an important lumber center.

The drainage basin is sandy and receives a very large supply from ground storage through springs along the river bank and along the tributaries.

Muskegon River drainage was recently covered with pine timber, but now it is almost entirely clear. Most of the soil is sand and gravel unfit for profitable cultivation. Large stump-covered areas are conspicuous features of the topography.

The stream is important for the development of water power. From the vicinity of Evart to Newaygo the river flows between high banks and has a rapid fall. The total fall over a 10-mile reach of the river, 5 miles each way from Big Rapids, is 104 feet. Good opportunities exist for the conservation of the flow for artificial storage. In the upper portion of the watershed there is a total area of about 110 square miles. By properly constructed dams the storage could be greatly increased.

Grand River, which is the largest stream in Michigan, lies south of Muskegon River. Its drainage basin, which includes a total of about 5,570 square miles, is in the central portion of the lower peninsula and drains into Lake Michigan. It lies in the southern border of the pine belt and is for the most part cleared. From the foot of the rapids formed by a limestone ledge at Grand Rapids to the mouth of the river at Lake Michigan the flow is very sluggish. In the upper half of this stretch of the river the immediate banks are high, forming natural ledges at elevations greater than that of the adjacent flood plain. Below Lamont bayous and low swamps are common between the river banks and the foothills bordering the valley. The valley, as a whole, is narrow. Gravel banks from 50 to 60 feet high occasionally stand close to the stream.

The total fall of the river from the extreme headwater to the mouth, a distance of about 200 miles, is about 350 feet.

The northwestern and southeastern portions of the basin are thickly interspersed with small lakes. A considerable number of these have no surface outlets and their drainage basins do not contribute to the run-off of the river, except through ground water.

Kalamazoo River, lying south of Grand River, rises in the south-central part of the lower peninsula of Michigan and flows in a northwestern direction into Lake Michigan. Its current is slow, averaging about 3 miles an hour, and its slope uniform, there being no waterfalls and no considerable rapids, except at two points, at each of which there occurs a descent of 3 or 4 feet within a distance of a few rods. The river flows through a rich agricultural region in a valley from one-fourth mile to 2 or 3 miles in width, backed by low hills or sloping gently to the upland. The flat lands in the valley are often flooded and serve largely as permanent meadows into which the river winds in a very tortuous course. Two branches unite at Albion to form the main stream. The total length from the point of juncture to the outlet is 101 miles.

St Joseph River rises at Bunday Hills, in northern Hillsdale County, Michigan, flows southwesterly into Indiana, turns northward at South Bend, recrosses the State line near Bertrand, and empties into Lake Michigan at St. Joseph. The total area drained is about 4,590 square miles, of which 2,920 lie in Michigan. The drainage basin contains more than 400 small lakes varying in surface area from one-eighth of a square mile to 6 square miles. Of these about 300 lie in Michigan. Practically no storage has been developed on the stream. The drainage basin lies in a comparatively glaciated region and is covered with diversified drift deposits.

The current of the river from South Bend to its mouth was formerly reversed, and this valley formed an outlet for the waters of Lake Michigan, which turned to the southwest through Kankakee River at South Bend, and thus reached the Mississippi through Illinois River.

It is stated that there is still a well-defined river channel connecting St. Joseph River with the Kankakee, the surface of which, where it reaches the St. Joseph, is 45 or 50 feet above the present low-water surface of that stream.

The watershed of St. Joseph River in Michigan contains relatively little marsh land not artificially drained and relatively little uncleared land. About one-third of the lakes are, however, without outlets. The proportion of undrained lakes in Indiana is smaller, and the swamp lands are much more extensive.

St. Joseph River was formerly navigable by boats as far as Elkhart, or perhaps farther, and the older dams were provided with locks long ago abandoned and closed.

St. Joseph River is very important from a water-power development standpoint.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly Discharge of Kalamazoo River, Allegan, Mich. For period April 1, 1901-December, 31, 1906.—Drainage area, 1,470 square miles.

Month.	Discharge in second feet.				Run-off. Depth in inches or drainage area.
	Maximum.	Minimum.	Mean.	Per square mile.	
January	3,810	438	1,210	.823	.95
February	3,240	524	1,220	.830	.86
March	10,300	637	2,500	1.70	1.96
April	6,490	635	1,780	1.21	1.35
May	4,160	92	1,260	.857	.99
June	3,320	648	1,180	.803	.90
July	2,580	102	964	.656	.76
August	1,520	471	859	.584	.67
September	2,680	105	881	.599	.67
October	2,330	172	913	.621	.72
November	1,700	5	962	.655	.73
December	1,900	85	1,010	.687	.79
For the period	10,300	5	1,230	.835	11.35

Monthly Discharge of Muskegon River, Newaygo, Mich. For period June, 1901-November, 1906, except January, 1902, June, 1903, July, 1904, January-March, 1905, January and December, 1906.—Drainage area, 2,350 square miles.

January	......	......	......	......	......
February	2,600	652	1,400	.596	.62
March	4,960	609	2,180	.928	1.07
April	5,120	907	2,420	1.03	1.15
May	6,270	958	2,160	.919	1.06
June	7,120	893	1,570	.668	.75
July	1,680	609	1,230	.523	.60
August	1,590	507	1,020	.434	.50
September	1,730	584	974	.414	.46
October	2,030	727	1,240	.528	.61
November	4,070	661	1,290	.549	.61
December	3,420	703	1,070	.455	.52
For the period	......	......	......	......	......

Monthly Discharge of Grand River, Grand Rapids, Mich. For period April 1, 1901-December 31, 1905, except March, 1903.—Drainage area, 4,900 square miles.

January	12,000	1,630	4,140	.845	.97
February	14,700	1,520	5,300	1.08	1.12
March	26,500	2,390	7,800	1.59	1.83
April	20,900	2,480	6,920	1.41	1.57
May	10,200	2,260	4,550	.929	1.07
June	49,300	1,690	6,200	1.23	1.37
July	13,300	1,180	4,530	.924	1.07
August	6,400	1,040	2,560	.522	.60
September	7,090	1,360	3,200	.653	.73
October	8,950	730	3,650	.745	.86
November	6,540	1,760	3,140	.641	.72
December	7,430	1,370	3,490	.712	.82
For the period	49,300	730	4,610	.940	12.73

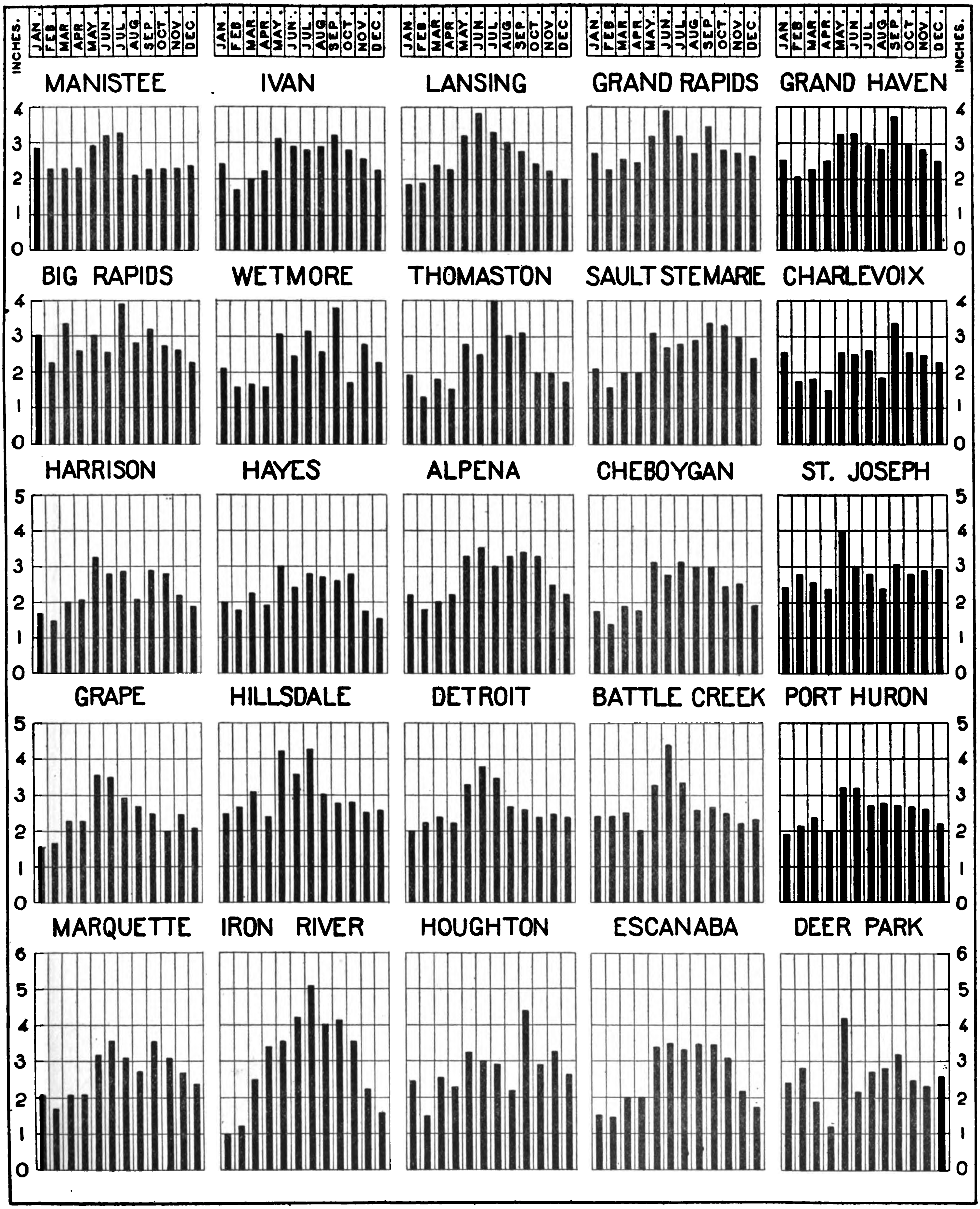


Fig. 1.—Chart showing the comparative monthly distribution of rainfall.

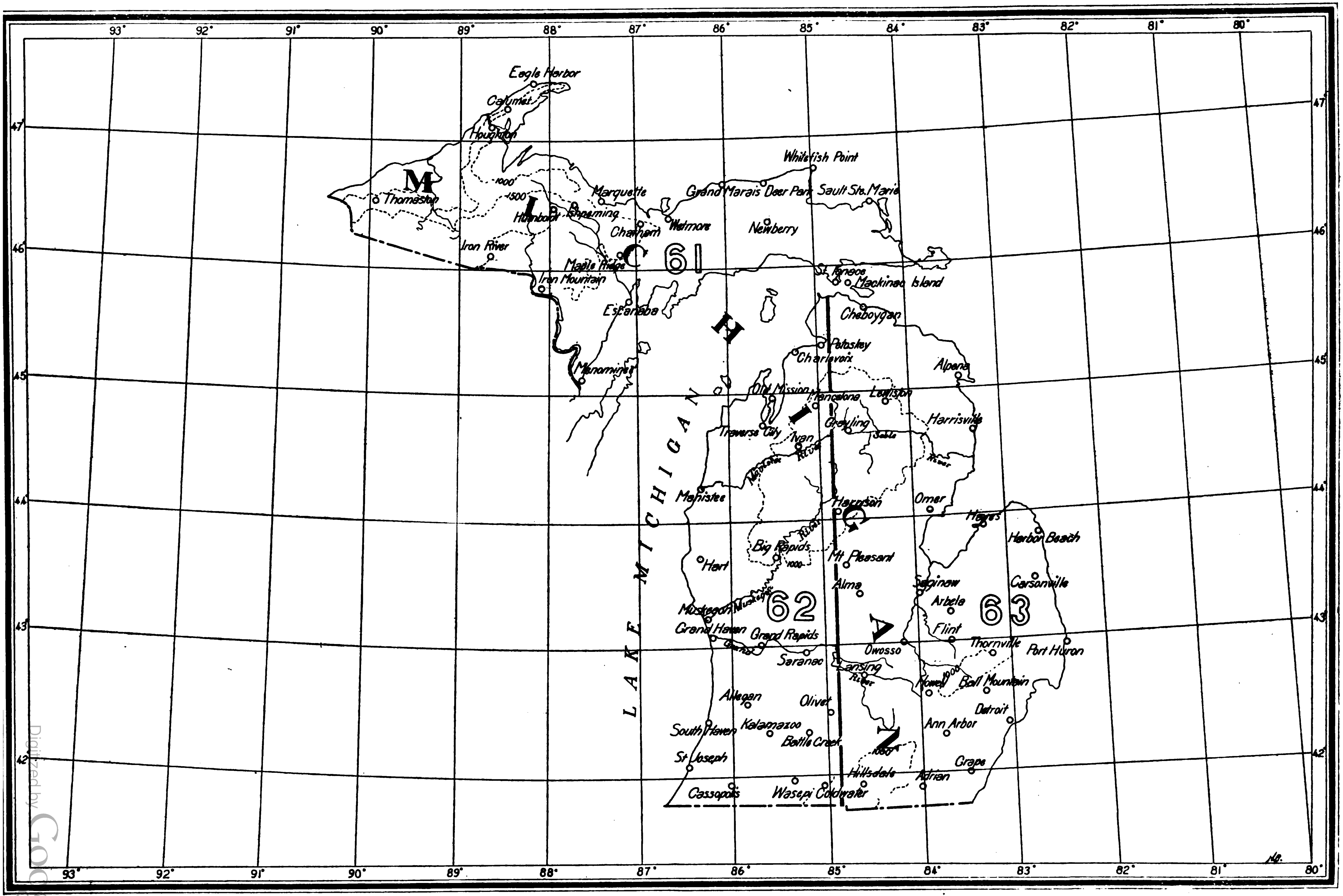


Fig. 2.—Chart showing the boundaries of sections, location of principal reporting stations, drainage basins, and general elevation above sea level.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Chief of Division.

SECTION 63.—EASTERN - LOWER MICHIGAN.

This section includes the eastern half of the lower peninsula of Michigan. The southern portion is thickly populated and contains many cities of considerable size, including Detroit, the metropolis of the State. North of Saginaw Bay it is sparsely populated.

In this section there are two high areas of land, the northern covering most of Otsego, Crawford and Roscommon counties, and containing the headwaters of the Cheboygan, Au Sable, Manistee and Muskegon rivers Portions of this area are from 1,100 to 1,300 feet above sea level. In the southern part there is another elevated area covering much of Jackson, Washtenaw and Hillsdale counties; this elevation includes the sources of the Grand, Kalamazoo, St. Joseph and Raisin rivers. A part of this elevated area extends northeastward into Oakland County and contains the headwaters of the Huron, Rogue and Clinton rivers. A comparatively low belt of land, extending from Saginaw Bay to the lower valley of the Grand River, separates these elevations.

The greater part of the drainage is into Lake Huron, Lake St. Clair or Lake Erie, although a portion finds its way to Lake Michigan through the Manistee, Muskegon and Grand rivers. The river valleys are mostly broad and flat and the river beds of earth, the most notable rock outcropping being at Grand Ledge, in the Grand River Valley.

The soil is varied in character. In the southern portion it is fertile and well adapted to growing grains, grasses and fruit. In the northern portion there are considerable areas of sandy soil, originally covered with pine forest, which have not been found satisfactory as farming land. In its original state the land was covered with forests—of hard wood in the southern part and chiefly pine in the northern part. There were extensive areas of swamp land, which acted, in large measure, as reservoirs to conserve the even flow of the streams. Large swamp areas still remain north of the Saginaw-Grand Valley, but much of this class of land has been drained in the southern section and made into very productive farming land.

Most of the rivers have their sources at elevations ranging from 400 to 600 feet above their mouths and present many water power possibilities. The Grand is already partially developed and power furnished for lighting and street car service at Jackson, Lansing, Battle Creek and Kalamazoo. Extensive water power projects on the Au Sable are now under way, which contemplate at least five dams on that river and the generation of 30,000 horse power.

Lying in the pathway of the storms that sweep across the Lake region, the climate of this section is characterized by the frequent and rapid weather changes which the passage of such storms produces. However, the climate is, to a certain extent, modified by the influence of the lakes which nearly surround Michigan, and while temperatures below zero frequently occur during January and February, the cold of winter is not usually so severe as in districts not protected by such large bodies of water. The lowest winter temperatures occur in the elevated area in the northern portion.

The mean temperatures for the year range from about 42° in the northern to 50° in the southern part. July is the warmest month, although there is not much difference between July and August. February is the coldest month, being 1° to 2° colder than January.

The yearly precipitation averages between 30 and 35 inches, although there are limited areas where the yearly amount averages between 25 and 30 inches. It is well distributed throughout the year, but is slightly greater during the spring and summer than during other seasons. In the northern portion the winter snowfall is heavy and the ground remains covered during most of the winter, the accumulated depth of snow being often from 2 to 3 feet. In the southern portion the snowfall is less and is apt to be melted by warm or rainy weather, so that during most years the ground is bare during part of the winter season.

There is abundant sunshine during the summer and early autumn, but much cloudy weather obtains during the winter and early spring.

C. F. SCHNEIDER,
Section Director.

Precipitation in Eastern-Lower Michigan. Monthly, annual, and average amounts (in inches and hundredths).

[Figures in bold-face type estimated from surrounding stations.]

ALMA, GRATIOT COUNTY, MICH.—Elevation, 750 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	3.00	5.00	1.26	1.63	2.18	1.87	1.81	3.14	4.00	3.82	2.37	3.81	33.89
1888..	2.56	1.73	3.10	1.87	3.92	1.87	0.94	1.51	2.22	2.00	3.73	1.61	27.06
1889..	2.57	1.77	0.51	1.27	3.39	4.59	3.32	0.59	0.93	1.26	2.83	3.47	26.50
1890..	2.55	2.07	2.18	2.61	6.45	3.78	1.41	2.17	0.83	6.79	2.55	0.93	31.32
1891..	2.42	2.42	3.69	1.51	1.32	2.33	3.32	4.47	2.92	0.66	5.76	3.93	31.75
1892..	2.48	1.33	0.36	2.11	5.39	8.42	2.79	3.93	3.18	1.38	2.89	1.95	36.21
1893..	2.39	1.41	2.96	5.95	3.18	3.38	3.22	0.84	2.50	3.74	3.06	4.37	37.00
1894..	3.17	1.82	1.73	2.67	5.31	2.71	0.88	0.17	7.14	1.86	0.81	0.54	28.81
1895..	2.33	0.67	0.96	1.92	1.76	1.03	0.38	3.25	2.00	0.54	4.00	5.57	24.41
1896..	2.00	1.06	1.23	3.91	2.04	3.19	1.62	3.25	7.31	0.67	4.05	1.13	31.46
1897..	4.96	1.26	4.18	3.17	2.68	3.63	4.63	1.24	1.83	2.88	2.45	2.51	35.42
1898..	3.80	1.93	4.00	1.79	2.58	2.84	0.98	4.33	4.83	3.91	3.22	2.03	36.24
1899..	1.35	1.18	3.55	0.81	2.88	1.02	6.95	0.47	2.72	2.76	1.39	1.76	26.84
1900..	1.59	3.59	2.00	1.96	2.60	1.25	3.58	5.16	2.11	2.81	4.23	0.30	31.18
1901..	1.88	1.23	3.34	1.78	2.27	1.77	4.45	3.04	1.49	2.97	0.95	2.40	27.57
1902..	0.34	1.21	4.09	1.08	3.13	6.37	5.75	1.45	4.27	4.35	3.19	2.34	37.57
1903..	1.99	2.71	1.57	2.87	3.97	2.99	2.73	7.84	5.16	4.20	0.80	1.47	38.30
1904..	2.04	2.19	3.42	2.98	3.37	1.84	3.11	2.44	3.31	2.59	T.	1.64	28.93
1905..	1.76	1.32	4.50	3.15	6.27	6.01	4.79	4.35	2.26	3.38	1.37	1.04	40.20
1906..	3.52	2.64	2.01	1.71	3.67	2.25	5.20	2.78	3.05	3.13	3.53	2.53	36.02
1907..	4.61	0.30	2.30	3.17	1.79	3.41	2.32	1.04	7.35	0.87	2.98	3.70	33.88
1908..	2.32	4.22	1.85	2.69	8.11	0.99	4.31	2.57	0.65	0.80	2.82	2.49	33.82
Mean	2.53	1.95	2.49	2.39	3.56	3.07	3.11	2.73	3.28	2.61	2.68	2.34	32.74

ADRIAN, LENAWEE COUNTY, MICH.—Elevation, 770 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878..	2.25	3.09	3.94	2.88	4.00	2.39	5.38	5.38	6.79	2.64	2.61	3.28	44.63
1879..	1.17	1.65	2.88	2.32	3.91	3.64	2.77	2.97	4.98	0.94	5.87	3.79	36.89
1880..	3.57	3.12	2.87	5.95	5.55	3.55	5.30	4.18	3.11	3.02	2.39	0.48	43.09
1881..	1.79	5.74	3.53	2.43	1.95	8.91	4.97	2.39	6.09	10.71	8.93	6.57	61.01
1882..	2.20	2.82	5.20	2.62	7.70	5.75	2.74	5.36	1.99	4.25	3.65	1.98	46.26
1883..	1.72	4.25	1.70	2.14	2.30	7.57	7.50	4.55	1.99	4.37	3.35	1.98	43.39
1884..	1.62	4.46	2.67	1.70	6.78	2.91	2.36	1.09	1.80	3.72	1.84	3.55	34.50
1885..	1.77	1.08	0.80	3.80	5.15	4.00	4.40	4.88	4.06	5.17	3.71	2.42	41.33
1886..	2.14	**1.00**	**2.30**	2.20	3.25	2.24	1.32	5.35	5.98	1.74	3.81	2.69	34.02
1887..	1.27	6.50	1.06	1.20	2.65	4.41	1.44	2.09	6.66	2.03	3.20	2.77	38.28
1888..	1.65	2.20	2.98	3.31	2.70	5.20	3.88	1.55	1.19	1.64	2.87	1.53	30.70
1889..	1.79	1.18	1.39	0.62	6.33	4.48	4.11	0.99	0.96	1.27	1.66	3.11	27.89
1890..	5.15	3.02	1.65	3.90	5.14	2.61	1.44	5.01	4.06	7.44	3.75	1.89	45.06
1891..	1.53	6.51	2.74	2.63	1.94	3.74	4.65	4.31	1.70	2.27	5.91	2.27	40.20
1892..	1.23	2.60	3.00	3.02	9.18	8.71	4.86	4.34	6.13	0.46	5.98	2.40	51.89
1893..	1.60	3.99	2.43	5.46	3.61	3.64	1.58	1.13	1.50	4.49	5.27	4.28	38.98
1894..	1.47	3.22	2.33	3.36	9.17	3.38	2.15	0.48	5.50	3.09	1.99	2.33	38.47
1895..	2.46	0.48	1.14	1.31	3.25	0.99	0.65	3.51	1.58	1.23	6.02	5.15	27.77
1896..	1.74	1.05	1.48	4.80	3.79	4.94	6.40	4.86	5.26	0.96	1.61	1.25	38.14
1897..	3.36	0.83	2.98	3.06	3.41	3.24	1.56	3.22	0.90	0.96	4.02	1.55	28.09
1898..	3.14	1.28	4.78	1.57	3.34	5.24	3.98	1.80	4.47	5.45	2.34	1.85	39.24
1899..	1.91	2.06	3.87	0.59	5.57	3.35	6.06	2.10	3.24	2.74	1.85	2.39	35.75
1900..	0.72	3.26	2.91	1.85	3.33	3.15	7.04	2.50	2.12	2.83	3.90	0.27	38.88
1901..	2.12	1.31	2.37	1.33	2.53	2.23	1.75	2.05	0.97	3.46	1.89	2.91	24.92
1902..	0.62	9.70	2.54	0.84	3.72	10.03	3.83	0.89	5.34	1.36	1.25	1.60	32.72
1903..	0.40	1.40	0.50	4.02	1.37	2.83	6.19	5.25	1.88	0.85	1.40	......	.....
1904..	2.95	3.30	2.60	0.68	2.20	0.70	3.40	3.25	3.25	0.65	T.	1.46	24.44
1905..	1.30	1.10	1.19	2.04	4.93	6.80	2.95	3.19	1.90	1.90	2.54	1.50	31.34
1906..	1.80	0.60	1.55	2.78	4.75	5.00	3.28	5.22	2.00	2.37	2.80	4.33	36.48
1907..	3.65	0.20	3.23	2.28	3.43	5.39	2.44	1.90	6.28	2.10	1.86	3.40	36.16
1908..	1.73	......	2.39	......	6.05	2.11	1.57	6.48	0.32	2.37	1.08	2.28	.....
Mean	2.06	2.47	2.48	2.56	4.29	4.29	3.61	3.30	3.35	2.85	3.20	2.57	37.03

ARBELA, TUSCOLA COUNTY, MICH.—Elevation, 728 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	......	......	......	......	......	......	......	......	......	......	1.65	2.54	.....
1888..	2.04	1.72	2.47	1.34	2.35	1.35	1.29	2.67	1.08	1.69	2.96	0.51	21.47
1889..	2.16	1.68	0.85	1.50	3.43	3.70	1.92	0.16	0.75	1.04	3.26	3.05	23.50
1890..	2.23	1.98	1.71	2.25	5.13	2.36	0.78	2.80	0.69	6.57	2.11	1.25	29.86
1891..	0.96	3.50	2.09	1.60	0.58	2.20	3.26	5.11	0.94	1.30	4.95	3.13	28.62
1892..	1.60	2.93	2.16	2.61	5.65	3.70	2.80	2.26	4.03	2.01	2.43	1.05	33.35
1893..	1.94	3.66	3.33	7.59	4.95	4.59	2.73	0.51	1.92	3.69	1.78	8.64	40.33
1894..	2.15	1.55	1.11	2.90	5.14	1.31	1.61	0.05	3.02	2.14	0.47	0.67	22.12
1895..	3.65	0.20	0.57	1.40	2.36	1.28	0.45	4.04	4.56	0.41	4.69	5.46	29.07
1896..	1.11	0.93	1.49	3.59	1.21	3.93	2.21	3.62	6.03	0.86	2.83	0.92	28.73
1897..	4.05	0.94	3.15	2.62	5.68	2.00	8.11	3.22	1.74	2.48	3.68	1.56	39.23
1898..	2.55	2.34	3.31	1.17	3.06	5.16	1.57	3.07	1.56	4.68	2.09	2.47	33.06
1899..	1.80	1.90	3.91	0.88	5.40	2.46	5.12	0.45	5.18	4.95	1.45	2.23	35.73
1900..	0.94	3.00	3.85	2.32	5.20	3.48	4.56	6.77	1.49	4.20	4.91	0.62	41.34
1901..	1.28	1.50	2.06	3.30	3.71	1.58	4.00	3.20	2.00	2.10	0.78	2.86	28.37
1902..	0.10	0.52	3.77	1.10	5.77	10.20	7.59	2.06	6.05	2.71	3.53	3.44	46.84
1903..	2.95	3.97	1.65	4.32	6.13	6.25	4.45	7.77	4.52	2.95	2.95	1.27	48.18
1904..	4.03	2.99	6.70	4.71	3.41	1.98	3.44	2.40	4.25	2.93	0.27	2.26	39.37
1905..	2.22	1.76	2.71	2.86	5.19	4.40	3.56	2.34	2.29	2.64	3.00	1.33	34.30
1906..	3.38	1.54	2.45	2.36	3.21	1.70	2.35	1.15	0.84	3.63	3.71	3.79	30.06
1907..	5.11	0.33	3.54	3.97	2.46	1.74	2.03	0.94	5.28	2.72	2.45	4.58	35.20
1908..	1.84	4.61	2.39	2.49	6.83	1.68	1.90	3.97	0.49	0.95	2.82	2.56	32.56
Mean	2.29	2.03	2.63	2.71	4.14	3.20	3.13	2.79	2.80	2.70	2.63	2.33	33.38

ALPENA, ALPENA COUNTY, MICH.—Elevation, 609 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1872..	......	......	......	......	......	......	......	......	......	2.40	1.59	1.76	.....
1873..	1.43	0.43	1.53	3.12	2.91	3.03	3.21	1.96	5.14	4.71	2.74	0.89	31.10
1874..	2.34	0.85	1.83	0.75	4.16	2.05	2.06	1.77	3.86	3.27	1.63	0.61	25.18
1875..	0.92	1.12	1.60	0.74	3.22	1.76	2.38	5.34	8.43	6.55	2.34	2.87	37.27
1876..	3.53	2.61	2.98	1.62	6.56	3.47	4.02	4.67	0.36	2.61	3.03	2.16	37.62
1877..	1.41	0.48	1.97	1.21	0.64	3.25	3.56	7.99	1.75	13.18	3.81	1.75	41.00
1878..	0.82	2.94	1.20	2.74	3.34	4.74	5.56	0.65	9.06	3.74	1.54	2.15	38.48
1879..	1.63	3.17	1.05	2.21	1.75	3.67	3.77	3.71	8.00	1.92	5.35	3.74	39.97
1880..	2.84	1.85	2.31	3.44	7.36	8.48	6.14	1.61	3.31	1.95	2.49	1.85	43.63
1881..	1.59	5.04	3.04	0.88	5.02	3.23	2.09	3.02	6.16	10.25	3.01	2.28	45.61
1882..	3.70	2.56	4.62	2.65	4.49	6.66	1.48	6.60	2.51	3.12	4.27	2.44	45.10
1883..	2.19	2.02	0.66	1.72	4.56	5.47	5.55	1.36	2.45	3.38	3.46	2.20	35.32
1884..	3.07	2.78	1.61	0.75	3.27	2.67	2.38	2.69	4.83	3.75	2.15	5.58	35.53
1885..	2.09	1.63	1.25	2.28	2.18	1.74	2.52	7.18	3.76	4.40	2.56	3.12	34.71
1886..	5.16	1.30	5.56	3.51	1.77	4.02	1.51	3.48	5.31	1.80	4.73	1.97	40.12
1887..	5.02	4.60	1.22	2.66	2.63	2.20	5.16	1.09	2.14	3.88	2.71	4.57	37.88
1888..	1.84	1.97	2.24	2.82	3.03	3.06	1.56	3.33	2.41	2.90	2.13	2.07	29.36
1889..	3.29	2.33	0.21	1.55	3.81	4.61	2.04	2.02	2.84	1.70	4.05	2.00	31.32
1890..	3.77	2.23	2.07	4.20	3.74	1.83	2.54	3.11	0.97	3.03	2.18	1.68	31.35
1891..	2.26	2.46	3.47	1.21	0.10	2.29	2.05	7.80	1.79	1.43	3.79	2.96	31.61
1892..	1.77	1.69	0.59	1.93	3.38	6.66	3.92	3.44	2.65	1.70	2.36	1.86	32.15
1893..	2.20	1.46	2.09	3.03	3.24	2.71	1.93	2.00	3.75	5.57	1.95	3.42	33.35
1894..	1.59	0.90	1.73	2.06	5.99	7.19	0.91	1.53	2.64	3.18	1.41	1.75	30.88
1895..	2.72	0.51	0.26	2.70	2.32	1.38	0.52	3.10	2.57	0.77	2.15	2.59	21.59
1896..	1.56	0.91	0.49	2.46	2.94	3.09	0.61	6.78	6.00	0.84	3.44	1.01	30.13
1897..	3.00	1.09	2.11	4.59	5.43	1.62	3.61	1.77	0.87	4.33	1.50	2.47	32.39
1898..	3.43	2.41	2.51	1.47	2.78	5.76	0.82	4.24	2.91	5.43	1.09	1.22	34.07
1899..	0.88	0.47	2.39	2.01	2.55	6.22	6.58	0.83	2.69	2.78	0.59	1.94	29.93
1900..	0.77	2.07	0.76	1.14	1.60	2.41	3.33	2.97	3.23	1.62	2.56	0.57	23.03
1901..	1.20	0.35	3.25	1.51	2.70	1.11	3.95	2.25	3.36	3.06	0.85	1.64	25.23
1902..	0.77	0.56	1.51	2.54	2.98	3.14	5.60	2.53	2.44	2.34	2.86	1.75	29.02
1903..	1.52	2.63	1.51	2.00	2.39	2.57	5.06	5.68	3.02	2.73	1.36	1.07	31.54
1904..	0.97	1.99	2.65	2.64	3.77	3.45	1.04	1.90	1.99	1.65	0.89	1.74	24.68
1905..	1.98	1.47	3.77	1.58	2.26	3.20	3.93	3.10	1.32	1.85	1.98	1.70	28.14
1906..	2.95	1.50	3.15	1.71	2.55	3.72	2.91	2.68	4.09	2.96	4.25	2.75	35.22
1907..	1.14	0.58	2.22	2.41	2.47	3.24	0.94	1.29	2.94	1.69	1.85	1.91	22.68
1908..	1.56	1.84	2.30	1.77	4.84	2.79	2.95	1.87	1.27	0.98	2.05	1.39	25.61
Mean	2.19	1.80	2.05	2.16	3.30	3.57	3.02	3.26	3.42	3.34	2.51	2.17	32.79

ANN ARBOR, WASHTENAW COUNTY, MICH.—Elevation, 930 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1880..	3.20	1.25	2.30	6.87	4.72	5.92	7.29	4.21	2.29	3.58	2.08	0.54	44.25
1881..	1.95	4.80	2.25	2.15	1.56	5.35	2.13	2.07	3.24	7.38	4.19	2.86	39.93
1882..	1.29	2.29	3.88	1.36	5.06	5.77	2.51	6.81	2.17	2.08	2.14	0.85	36.21
1883..	1.00	0.77	1.00	1.61	6.29	4.59	7.29	2.52	1.11	3.37	3.00	0.72	33.27
1884..	1.07	0.65	0.58	1.05	3.34	3.77	5.45	1.93	2.91	2.46	1.84	4.13	29.18
1885..	2.54	1.40	1.28	3.47	3.72	3.94	2.05	6.02	2.69	3.43	1.74	2.86	35.14
1886..	2.42	0.91	1.87	2.00	2.67	0.89	0.71	2.55	5.97	2.20	2.20	4.00	28.39
1887..	1.25	5.87	1.52	1.21	1.95	3.21	1.31	1.56	3.93	1.98	2.08	2.76	28.63
1888..	1.01	0.37	2.51	1.95	3.03	4.76	1.39	1.73	1.18	3.04	3.26	1.00	25.23
1889..	1.00	1.88	1.06	0.81	4.56	4.05	2.74	0.34	1.35	0.80	2.60	3.61	24.80
1890..	3.11	1.38	1.69	3.90	5.19	3.34	0.93	4.86	1.56	5.26	3.15	0.98	35.35
1891..	2.07	3.61	2.57	1.82	2.00	2.70	2.54	2.54	1.60	1.88	4.96	2.95	31.24
1892..	1.31	1.90	1.15	1.60	5.59	4.72	2.21	1.25	4.72	0.50	2.48	2.50	29.93
1893..	3.71	4.25	2.21	6.25	1.62	4.06	2.47	0.65	1.36	5.29	3.68	3.43	38.98
1894..	1.05	1.27	2.17	2.78	5.93	1.93	0.83	T.	3.66	2.79	1.76	1.47	25.64
1895..	1.98	0.28	0.76	0.90	3.52	0.56	2.27	2.57	0.94	0.34	3.42	5.21	22.75
1896..	0.95	1.20	0.97	2.26	2.14	3.99	6.45	2.63	4.93	1.51	1.82	1.20	30.05
1897..	2.79	1.46	3.40	3.07	4.74	2.69	1.66	2.88	1.35	1.68	4.79	2.00	32.51
1898..	4.00	2.16	2.95	1.57	2.31	2.82	1.45	1.16	4.03	5.48	3.13	1.94	33.00
1899..	1.53	1.54	3.55	0.21	4.35	2.50	1.92	0.51	2.68	3.01	1.99	2.07	25.86
1900..	1.06	3.71	2.73	1.43	4.91	2.30	2.91	2.04	1.10	2.23	3.73	0.43	28.58
1901..	1.45	2.22	1.74	1.63	1.72	2.01	3.35	3.14	1.95	2.55	1.28	3.05	26.09
1902..	0.60	1.21	2.69	0.77	4.72	7.56	10.70	0.63	6.41	1.95	1.83	2.48	41.55
1903..	1.27	3.47	1.79	4.19	2.23	5.13	4.65	5.45	2.33	1.47	1.58	2.39	35.95
1904..	2.51	2.49	4.80	2.09	2.31	0.97	1.98	4.55	3.91	0.81	0.10	1.67	28.19
1905..	1.64	1.21	1.64	2.80	4.93	4.32	4.70	4.06	2.51	3.45	3.67	1.61	36.54
1906..	1.91	0.71	2.36	2.19	4.87	2.99	5.23	2.82	1.62	3.03	1.61	1.58	30.92
1907..	4.68	1.22	2.24	2.52	2.82	1.94	3.63	1.06	4.19	1.77	2.34	2.91	31.32
1908..	1.05	4.82	2.50	2.77	4.34	3.62	1.27	6.29	0.27	1.53	0.98	1.60	31.04
Mean	1.91	2.08	2.14	2.32	3.69	3.57	3.24	2.72	2.69	2.65	2.53	2.23	31.77

BALL MOUNTAIN, OAKLAND COUNTY, MICH.—Elevation, 983 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	......	......	......	......	3.85	2.00	1.23	1.32	0.70	0.56	1.76	2.68	.....
1890..	3.26	1.57	1.07	2.97	5.34	3.52	2.18	6.01	2.20	0.97	2.94	0.77	32.80
1891..	1.11	2.77	2.26	2.99	1.48	2.51	2.14	3.61	2.37	1.95	5.12	1.97	30.58
1892..	1.23	2.60	1.71	1.61	6.17	6.36	2.06	2.90	4.02	0.74	3.65	1.28	34.33
1893..	1.62	2.99	1.89	5.35	1.74	6.47	1.69	0.79	2.32	4.82	3.08	4.44	37.20
1894..	0.95	2.63	1.10	2.06	5.00	1.99	1.73	0.06	3.98	1.95	1.34	1.62	24.41
1895..	2.13	0.50	1.02	1.64	3.15	1.74	2.18	3.64	1.58	0.52	3.38	5.28	26.76
1896..	1.15	0.92	1.59	2.62	3.89	2.86	4.61	4.73	5.26	0.54	2.30	1.04	31.51
1897..	2.68	1.63	3.77	1.51	4.77	3.22	3.09	1.59	0.76	1.66	3.33	1.83	29.84
1898..	2.43	1.80	2.39	1.42	2.36	1.99	1.46	1.47	3.38	4.61	2.01	1.30	26.74
1899..	1.17	0.73	3.48	0.48	2.33	1.49	2.45	0.12	3.27	3.58	2.79	3.02	24.91
1900..	0.99	3.84	2.13	0.76	3.57	3.37	3.79	5.42	2.00	4.25	2.52	0.33	32.97
1901..	1.46	3.18	2.60	2.01	3.40	2.02	3.53	1.95	1.92	2.95	0.74	4.26	30.02
1902..	0.38	0.69	1.83	1.71	5.94	10.40	8.61	1.22	6.53	2.75	2.58	1.81	44.45
1903..	1.04	2.69	1.43	5.25	3.56	5.00	4.28	6.41	2.59	1.93	1.75	1.93	37.86
1904..	2.47	1.55	4.53	2.54	1.74	1.51	2.02	4.43	2.55	3.00	0.05	0.70	27.09
1905..	1.07	1.64	1.28	2.60	5.05	6.45	5.78	4.15	3.42	3.31	3.85	0.85	39.45
1906..	2.30	0.91	1.60	2.66	4.04	4.30	4.60	4.61	1.97	5.67	2.11	3.90	38.79
1907..	4.95	0.49	2.53	4.80	2.81	3.08	3.57	0.97	4.38	2.12	2.91	4.47	37.08
1908..	2.28	5.14	2.84	2.90	5.16	2.32	2.36	4.17	0.57	2.25	1.92	1.20	33.29
Mean	1.83	2.01	2.16	2.52	3.77	3.63	3.17	2.98	2.79	2.51	2.52	2.25	32.14

CARSONVILLE, SANILAC COUNTY, MICH.—Elevation, 604 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	......	......	......	......	......	......	......	......	0.53	2.16	0.72	.....
1897..	1.83	0.76	2.44	1.04	4.79	1.53	3.52	1.30	0.57	2.56	3.15	1.38	24.87
1898..	2.28	3.20	2.39	1.21	1.60	3.04	1.32	1.12	2.03	3.71	2.18	1.89	25.97
1899..	2.26	0.84	4.05	0.44	3.17	3.80	3.15	T.	3.60	3.37	1.77	0.55	27.00
1900..	1.38	3.35	1.83	.....	......	......	2.47	3.33	0.49	2.13	2.86	0.25	.....
1901..	1.77	1.45	0.73	1.61	2.16	......	4.19	1.10	0.97	1.42	0.43	1.50	.....
1902..	0.40	0.99	......	......	......	......	......	......	2.83	......	......	......	.....
1903..	1.10	1.06	1.01	0.32	......	......	......	......	......	......	......	......	.....
1904..	0.80	0.70	......	0.82	......	......	......	......	......	......	......	......	.....
1905..	.....	......	0.90	......	......	......	......	4.02	......	......	......	......	.....
1906..	2.20	0.65	1.80	1.45	1.80	3.50	2.24	1.99	0.60	.....	......	1.06	.....
1907..	......	......	......	.....	......	......	......	......	......	......	......	......	.....
Mean	1.56	1.44	1.89	0.98	2.70	2.97	2.82	1.84	1.58	2.29	2.09	1.05	23.21

CHEBOYGAN, CHEBOYGAN COUNTY, MICH.—Elevation, 611 feet.

1890..	......	......	......	2.25	3.10	2.13	8.49	3.88	1.22	2.46	2.27	1.30	.....
1891..	2.30	3.36	4.36	2.30	0.20	1.21	2.16	5.28	1.27	2.51	4.96	2.49	32.40
1892..	1.72	2.28	1.33	2.00	3.31	4.44	3.69	3.03	2.32	1.33	2.44	1.74	29.63
1893..	1.31	0.61	0.85	1.80	1.52	1.91	3.72	1.44	2.46	3.26	2.96	3.23	25.07
1894..	2.46	1.02	3.05	1.46	5.46	4.43	1.30	2.52	2.44	4.08	2.26	1.95	32.43
1895..	2.10	0.92	0.39	2.28	4.39	1.77	1.07	3.00	4.91	1.89	2.43	2.51	27.66
1896..	2.40	0.97	0.76	2.73	6.25	2.76	1.97	3.65	4.14	1.18	4.01	0.95	31.77
1897..	2.69	1.07	1.47	3.06	3.25	2.08	2.58	3.01	2.61	3.63	1.71	1.68	28.84
1898..	2.79	2.01	2.26	2.04	3.50	4.36	2.59	2.45	1.80	4.44	2.80	1.52	32.56
1899..	1.48	1.39	3.72	2.22	2.50	4.50	2.71	2.40	3.50	1.45	0.58	3.32	29.77
1900..	0.80	1.45	1.40	3.15	1.15	4.08	7.93	7.33	8.43	3.48	2.95	0.80	42.95
1901..	1.75	0.50	2.70	0.91	3.35	4.45	4.61	2.59	3.48	3.05	0.65	2.30	30.34
1902..	0.70	0.60	2.45	2.26	2.05	4.08	2.00	1.54	2.05	2.75	3.45	1.10	24.03
1903..	0.75	2.00	3.30	0.10	2.33	2.10	2.10	4.40	0.25	3.31	0.70	1.40	22.74
1904..	0.50	1.50	0.70	1.07	4.94	1.00	1.81	3.00	6.04	3.00	1.07	2.80	27.43
1905..	1.50	0.80	1.95	0.50	2.86	2.46	2.73	1.46	1.23	0.50	1.55	1.80	19.34
1906..	1.70	1.10	0.84	0.20	1.13	2.90	0.74	1.71	1.97	1.89	4.38	1.07	19.63
1907..	2.13	0.57	2.47	2.40	2.18	2.69	2.61	3.43	4.98	2.17	2.41	2.25	30.29
1908..	1.57	2.76	1.40	1.09	4.92	0.60	4.17	0.50	1.04	0.46	3.07	2.55	24.13
Mean	1.70	1.38	1.91	1.78	3.07	2.84	3.10	2.98	2.95	2.47	2.46	1.93	28.57

FLINT, GENESEE COUNTY, MICH.—Elevation, 730 feet.

1888..	......	......	....	......	......	......	......	......	......	......	......	0.76	.....
1889..	1.41	1.62	0.67	1.25	3.09	3.38	2.34	0.14	0.84	1.16	2.99	2.95	21.84
1890..	2.24	0.77	0.68	2.39	5.02	2.36	0.83	2.96	1.74	......	.....	0.93	...
1891..	1.02	1.77	1.60	1.22	2.30	1.95	3.87	3.83	1.39	1.06	3.37	1.65	25.03
1892..	1.31	2.40	0.96	1.93	4.39	2.49	2.30	1.92	3.29	0.63	2.74	1.31	25.67
1893..	2.89	2.07	2.69	3.52	4.11	4.23	3.02	0.60	0.74	2.79	2.62	4.16	33.44
1894..	1.84	1.79	1.04	1.77	4.97	1.67	1.43	0.12	3.03	2.15	0.85	0.98	21.64
1895..	1.15	0.11	0.37	1.35	1.91	0.73	1.20	3.36	2.18	0.52	3.59	4.87	21.34
1896..	0.45	0.64	0.36	3.14	2.28	2.25	2.20	4.90	5.60	0.72	2.14	0.51	25.19
1897..	2.00	0.90	2.10	2.06	3.65	1.37	3.90	3.08	0.84	0.46	3.12	1.61	26.09
1898..	2.65	1.96	3.37	1.70	2.29	2.56	1.60	3.28	1.84	2.76	2.19	1.28	27.48
1899..	1.84	1.31	3.66	1.00	4.38	2.04	3.95	0.04	5.06	3.02	1.86	1.16	29.32
1900..	1.12	2.31	1.69	1.53	4.79	4.72	4.30	5.00	1.60	2.95	4.40	0.45	34.86
1901..	1.25	1.64	1.52	2.30	4.01	3.04	3.89	2.31	1.75	3.01	1.16	2.40	28.28
1902..	0.42	0.52	3.28	1.59	3.96	7.20	6.60	1.50	6.43	2.66	2.90	1.84	38.90
1903..	1.51	2.74	1.67	3.71	3.93	5.47	1.09	6.72	4.04	2.77	1.81	1.37	36.83
1904..	1.91	1.56	3.08	2.35	2.57	0.67	2.68	2.35	2.69	4.07	0.25	1.13	25.31
1905..	1.46	1.12	2.63	2.55	6.22	4.43	3.90	3.46	3.13	2.40	2.26	1.40	34.96
1906..	2.65	1.00	2.03	1.34	3.50	3.05	2.25	0.94	1.06	3.44	3.22	3.00	27.48
1907..	3.87	0.15	2.76	3.63	2.21	1.41	2.60	1.62	5.40	1.65	1.51	2.64	29.45
1908..	2.55	2.31	3.18	2.52	6.42	1.55	1.44	3.50	0.49	0.98	1.73	1.31	27.98
Mean	1.78	1.43	1.97	2.14	3.80	2.83	2.77	2.58	2.66	2.12	2.35	1.80	28.23

GRAPE, MONROE COUNTY, MICH.—Elevation, 625 feet.

1887..	......	......	.....	......	......	......	. ....	......	......	......	2.86	1.60	. ...
1888..	1.63	1.21	2.88	2.21	2.69	2.97	2.47	1.72	0.73	2.18	3.28	1.17	25.14
1889..	1.38	0.66	1.78	0.69	4.45	4.50	1.29	0.70	1.69	0.87	3.24	2.87	24.12
1890..	2.63	1.94	1.07	3.22	3.31	3.02	1.05	4.70	1.69	4.69	2.22	0.80	30.34
1891..	0.83	2.93	3.44	1.77	1.77	2.95	2.27	1.59	0.73	2.00	4.23	1.24	25.75
1892..	0.78	1.94	2.38	1.47	9.07	6.43	2.88	3.16	4.05	0.27	3.20	1.19	36.82
1893..	0.79	2.55	1.77	3.56	1.34	4.59	1.46	1.27	1.26	3.77	3.11	2.02	27.49
1894..	0.76	1.67	1.34	3.21	5.80	3.72	0.41	0.14	4.32	2.55	0.89	1.60	26.41
1895..	1.29	0.20	0.80	1.20	2.53	0.78	2.03	1.69	1.12	0.74	3.83	4.50	20.71
1896..	0.85	1.02	1.39	4.02	4.20	3.51	4.74	3.30	3.87	1.45	1.49	1.17	31.01
1897..	2.03	1.15	2.26	3.09	2.83	4.74	3.57	3.39	1.34	0.80	4.31	1.47	30.98
1898..	2.90	1.74	4.58	1.50	2.47	1.80	3.26	1.48	3.40	2.99	2.97	3.34	32.43
1899..	1.98	2.05	3.91	0.40	3.90	2.18	2.18	1.25	2.23	2.09	1.93	2.46	26.56
1900..	1.09	3.90	2.61	2.06	3.17	3.42	5.05	2.23	1.56	2.37	3.53	0.51	31.50
1901..	1.83	1.74	2.22	2.71	3.04	1.45	1.96	5.20	0.78	1.78	1.45	3.54	27.70
1902..	0.50	0.68	3.30	1.09	5.54	9.44	3.98	1.00	6.38	1.66	1.51	2.73	37.81
1903..	1.21	3.49	1.45	3.92	1.59	2.23	3.41	7.52	2.66	1.80	2.78	1.84	33.90
1904..	4.17	2.62	3.16	2.04	2.71	1.49	2.96	4.31	4.67	0.93	0.02	1.90	30.98
1905..	1.43	1.20	1.35	2.98	4.69	4.32	5.50	2.53	2.82	1.66	2.51	1.35	32.34
1906..	0.89	0.59	1.29	1.97	3.84	5.86	5.93	2.84	2.36	3.46	3.10	3.38	35.51
1907..	3.24	0.17	2.36	2.15	3.55	3.40	2.89	1.46	5.33	2.71	1.36	3.00	31.62
1908..	1.56	2.95	3.33	2.41	3.27	1.05	1.19	5.58	0.35	1.80	0.81	1.82	26.12
Mean	1.61	1.73	2.32	2.27	3.61	3.52	2.88	2.72	2.54	2.03	2.48	2.07	29.78

DETROIT, WAYNE COUNTY, MICH.—Elevation, 730 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871..	1.36	2.62	2.78	1.75	2.34	3.88	1.94	0.81	1.43	0.69	2.76	1.88	24.24
1872..	1.05	0.69	1.22	2.15	5.64	2.85	2.63	2.60	3.84	1.60	0.67	0.69	25.63
1873..	3.20	0.32	1.79	4.94	3.50	5.18	3.43	0.33	3.28	2.60	1.03	4.72	34.32
1874.	4.96	2.00	1.55	1.39	1.93	4.53	3.65	2.11	0.67	0.78	2.26	0.60	26.43
1875..	0.97	1.82	3.00	0.70	5.83	3.25	3.73	6.04	2.10	3.35	1.72	3.20	35.71
1876..	2.00	5.59	5.50	1.80	5.62	1.51	5.94	2.46	2.81	2.89	2.32	1.96	40.40
1877..	1.23	0.04	5.43	3.27	0.90	4.80	1.57	7.29	0.39	4.72	4.10	1.49	35.23
1878..	3.04	2.58	3.34	2.06	2.77	3.36	8.76	2.92	3.74	2.89	3.10	4.83	43.39
1879..	1.11	2.64	1.72	1.56	2.64	3.69	6.22	1.31	6.24	0.83	4.71	4.62	37.17
1880..	2.81	1.51	2.75	6.17	4.86	4.38	5.74	5.51	4.26	5.45	3.02	1.22	47.68
1881..	2.39	6.41	3.36	2.37	2.45	5.90	3.33	1.32	2.86	6.52	4.36	4.17	45.44
1882..	1.97	1.92	3.34	1.13	4.82	3.70	1.65	4.43	1.77	2.43	1.66	1.50	30.32
1883..	1.69	3.22	1.55	1.53	5.11	4.32	5.29	0.90	1.50	2.55	2.24	2.67	32.57
1884..	2.08	3.39	2.10	1.54	2.38	1.92	3.76	1.55	2.70	1.96	1.74	3.05	28.17
1885..	1.89	1.26	0.66	1.83	3.65	3.36	2.83	5.05	1.54	1.68	2.19	2.30	28.15
1886..	1.92	1.30	1.70	3.30	2.33	2.07	2.45	2.02	4.20	1.04	2.17	2.21	26.71
1887..	1.31	4.16	1.44	1.19	2.11	4.19	1.31	2.30	4.41	1.49	2.72	2.34	28.97
1888..	1.58	1.58	2.76	1.44	1.94	3.41	3.48	5.27	1.26	2.09	3.05	1.16	29.02
1889..	1.51	0.76	1.17	1.14	4.41	3.28	1.54	0.19	0.56	1.05	2.36	3.09	21.06
1890..	2.70	2.01	1.32	2.74	3.94	4.28	1.69	4.46	2.31	5.67	2.64	1.23	34.99
1891..	0.92	3.07	2.23	2.72	1.68	2.28	2.90	2.86	1.33	1.93	5.30	1.61	28.83
1892..	1.45	2.57	2.03	1.78	7.84	8.31	2.39	2.21	3.66	0.30	3.10	1.47	37.11
1893..	1.77	4.05	1.36	3.61	1.50	4.66	2.50	1.78	1.37	4.77	3.68	3.13	34.18
1894..	0.94	2.57	1.39	2.54	4.90	2.63	2.06	0.16	2.47	3.37	1.15	1.56	25.74
1895..	2.76	0.22	1.69	1.31	2.61	0.55	3.30	1.57	1.15	0.56	4.19	4.73	25.04
1896..	1.17	1.60	2.28	3.61	2.05	6.97	5.39	4.60	4.23	1.65	1.72	0.93	36.20
1897..	1.65	1.14	3.70	2.09	4.03	3.52	1.70	3.10	1.02	1.31	5.13	1.95	30.34
1898..	3.32	3.27	3.11	1.51	1.65	5.15	2.03	1.84	3.30	3.49	2.92	2.75	34.34
1899..	1.75	2.12	4.36	0.53	3.38	1.82	2.95	0.62	2.18	2.35	2.05	2.30	26.41
1900..	1.14	4.30	3.26	1.64	3.08	3.99	3.71	2.08	1.88	2.85	3.10	0.42	31.45
1901..	1.52	1.64	1.80	2.07	2.76	2.08	5.50	3.20	1.65	1.90	1.00	3.66	28.78
1902..	0.57	0.72	2.66	0.60	3.52	6.97	7.55	0.60	6.50	1.54	1.57	2.73	35.53
1903..	1.63	3.19	1.36	5.51	1.55	6.32	4.59	4.27	2.78	1.67	1.18	1.83	35.88
1904..	3.34	2.55	4.09	1.65	2.36	1.08	2.94	3.20	4.23	0.86	0.19	1.83	28.32
1905..	1.93	1.50	1.02	2.20	4.31	4.44	3.52	4.18	3.27	1.15	2.76	1.72	32.00
1906..	1.90	0.87	2.03	1.92	2.12	5.24	4.24	3.25	1.85	4.20	2.28	3.77	33.67
1907..	3.87	0.61	2.20	2.33	2.64	3.60	2.71	0.62	4.10	1.36	1.46	4.62	30.62
1908..	2.84	4.95	2.46	2.44	3.57	1.85	1.83	4.49	0.56	1.49	0.73	1.38	28.59
Mean	1.98	2.28	2.41	2.21	3.28	3.82	3.49	2.73	2.62	2.36	2.48	2.40	32.06

GRAYLING, CRAWFORD COUNTY, MICH.—Elevation, 1,117 feet.

1887..	......	......	......	1.01	2.77	3.30	.....	......	......	......	......	......	.....
1888..	1.78	......	......	......	......	......	......	......	......	......	......	......	.....
1889..	......	......	......	0.05	2.85	4.05	3.55	1.05	3.79	0.70	2.23	4.66	....
1890..	3.22	2.62	1.80	3.28	3.37	2.61	3.56	4.14	1.05	3.21	1.90	1.75	32.51
1891..	2.19	3.50	4.50	0.95	0.25	3.17	0.47	3.92	3.20	1.79	4.10	0.80	28.74
1892..	1.88	1.30	0.55	0.92	3.65	6.50	2.97	4.24	1.63	0.40	2.00	2.00	28.04
1893..	2.75	2.30	1.36	1.77	1.45	0.97	2.07	0.95	2.85	2.85	3.80	3.40	26.52
1894..	1.60	1.20	1.10	1.17	3.45	2.13	1.65	0.53	2.75	1.60	1.50	1.60	20.28
1895..	4.10	1.40	0.40	0.80	2.77	0.90	0.32	2.02	3.50	2.25	2.75	2.40	23.61
1896..	1.85	1.22	0.90	2.07	2.15	2.20	1.06	3.79	4.73	0.60	2.80	1.08	24.45
1897..	2.27	0.91	2.70	4.57	2.63	1.20	2.80	2.35	1.80	2.57	1.39	3.65	28.84
1898..	3.49	1.60	1.67	2.50	2.43	3.10	0.35	5.60	2.00	5.00	2.65	2.85	33.24
1899..	1.15	0.45	4.95	0.50	1.50	4.85	5.05	1.35	1.85	4.22	0.20	1.48	27.35
1900..	1.00	3.45	1.40	1.15	2.15	3.54	6.00	2.15	5.50	2.35	5.75	1.45	35.89
1901..	1.15	1.20	2.70	0.40	3.75	1.15	3.38	4.85	2.30	4.40	1.07	2.05	28.40
1902..	1.10	0.85	2.05	1.92	4.70	4.10	5.00	3.35	1.00	2.55	3.85	1.70	32.17
1903..	3.30	3.45	1.45	2.50	3.60	0.60	3.54	4.60	4.93	1.00	2.20	3.10	34.27
1904..	1.30	3.80	1.50	4.08	4.15	1.13	3.30	3.05	3.95	2.50	0.85	2.40	32.01
1905..	2.15	1.30	3.10	2.45	4.70	2.50	3.76	1.60	1.75	2.15	3.55	1.45	30.46
1906..	2.72	3.05	2.30	1.98	2.10	5.45	3.25	1.10	1.50	2.50	3.30	2.75	32.00
1907..	3.50	1.10	2.05	1.63	2.27	1.00	4.25	3.35	6.45	......	......	......	.....
1908..	......	2.50	2.05	2.45	4.50	......	......	2.25	2.90	0.52	3.14	3.25	.....
Mean	2.24	1.96	2.03	1.82	2.91	2.72	2.96	2.86	2.97	2.27	2.58	2.30	29.62

HARBOR BEACH, HURON COUNTY, MICH.—Elevation, 635 feet.

1887..	......	......	......	......	2.25	3.66	1.66	1.49	1.16	3.22	1.13	1.81	.....
1888..	0.48	0.50	......	......	......	1.62	1.30	3.44	0.76	2.20	3.15	1.75	.....
1889..	1.98	1.63	0.30	0.85	3.23	5.59	1.81	1.55	0.89	0.97	......	3.25	.....
1890..	2.37	2.34	0.72	1.86	3.30	3.34	4.27	3.40	0.82	7.37	2.54	2.60	34.93
1891..	2.40	1.80	2.02	1.45	0.52	0.66	2.96	4.85	1.92	2.08	6.03	2.01	28.70
1892..	6.27	1.85	1.20	1.08	2.61	3.55	1.72	2.86	4.77	3.46	2.95	2.02	34.34
1893..	1.20	3.90	0.51	4.14	4.25	2.13	2.02	2.17	2.65	5.94	2.57	2.90	33.78
1894..	......	......	1.95	1.82	4.11	4.48	1.10	0.77	3.12	3.37	1.32	0.90	.....
1895..	......	......	......	2.10	2.14	0.06	1.02	3.60	3.43	0.77	2.31	2.87	.....
1896..	......	0.38	1.00	1.49	2.73	3.72	0.93	3.99	5.56	0.62	1.50	......	.....
1897..	......	......	2.40	3.54	3.74	0.79	3.02	2.56	6.83	3.07	1.50	2.55	.....
1898..	1.30	1.40	1.85	2.27	1.82	4.19	0.20	3.89	1.05	3.98	3.08	0.67	25.70
1899..	1.41	0.95	2.47	0.88	3.22	3.14	2.05	0.19	2.84	3.09	1.63	2.16	24.03
1900..	0.60	2.37	2.25	1.65	2.11	2.22	1.60	4.96	0.94	2.15	3.99	0.50	25.34
1901..	0.99	0.62	1.75	1.38	2.18	0.63	2.41	1.55	1.33	2.58	0.89	1.15	17.46
1902..	0.87	0.55	4.32	1.35	2.91	4.71	7.34	2.48	3.91	3.00	1.60	1.65	34.69
1903..	1.44	1.51	1.06	1.75	3.55	2.29	2.81	4.52	3.78	2.58	2.27	1.32	28.88
1904..	0.80	1.20	1.05	1.40	2.17	1.26	3.66	1.37	1.90	2.48	0.09	1.27	18.65
1905..	0.71	0.40	1.67	0.70	6.80	2.42	3.18	2.50	1.63	2.64	1.63	0.42	24.70
1906..	2.53	0.67	0.55	......	2.25	2.95	1.53	2.65	1.76	......	......	......	.....
1907..	......	......	......	2.15	2.00	2.50	0.90	1.35	3.28	0.96	1.52	1.87	.....
1908..	2.40	4.05	1.52	1.80	4.11	3.14	2.95	1.97	0.65	1.03	......	1.12	.....
Mean	1.73	1.54	1.59	1.77	2.95	2.72	2.29	2.64	2.20	2.74	2.19	1.74	26.10

HARRISON, CLARE COUNTY, MICH.—Elevation, 1,159 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	......	......	......	......	......	2.01	2.56	1.31	......	......	......	3.55	.....
1888..	......	......	1.00	1.48	......	......	......	......	......	......	......	......	.....
1889..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1890..	......	1.80	0.99	2.22	3.96	3.11	1.18	2.36	1.17	4.50	1.23	1.25	.....
1891..	1.57	2.30	......	0.91	......	......	......	......	......	......	......	0.65	.....
1892..	1.07	1.28	0.46	0.70	......	6.28	1.13	......	3.94	1.46	2.55	......	.....
1893..	2.57	2.15	2.42	4.06	2.17	2.83	4.19	2.89	2.57	3.21	2.10	3.55	34.71
1894..	2.53	0.97	2.73	2.71	5.56	5.03	0.98	0.05	4.12	2.02	1.25	......	.....
1895.	0.93	0.15	0.54	......	......	......	......	......	......	......	2.43	3.75	.....
1896..	1.52	0.95	1.17	3.35	2.93	2.40	1.99	2.81	6.95	1.17	3.07	0.98	29.29
1897..	3.93	1.46	3.38	4.12	2.38	1.61	2.73	2.60	1.77	3.29	1.88	......	.....
1898..	......	......	......	......	......	......	......	......	......	4.50	2.03	1.17	.....
1899..	0.94	0.80	1.72	0.98	4.06	3.99	5.21	1.44	1.85	4.23	1.92	......	.....
1900..	0.91	2.05	0.85	......	......	1.74	3.89	3.65	3.39	3.23	2.77	0.00	.....
1901..	......	0.60	2.86	0.40	2.72	0.89	4.46	2.33	1.38	......	0.69	1.82	.....
1902..	0.35	0.83	4.19	1.68	3.47	3.17	4.75	1.71	......	......	2.63	2.80	.....
1903..	1.91	1.73	1.04	3.83	2.20	2.33	1.23	2.75	3.89	2.82	2.15	2.60	28.48
1904..	......	1.50	2.67	2.80	4.25	3.00	2.63	1.20	1.82	3.75	T.	1.30	.....
1905..	1.20	2.00	2.80	......	4.45	2.80	6.62	2.40	......	......	2.10	0.80	.....
1906..	3.80	1.50	2.20	1.30	......	......	0.70	2.65	3.33	2.40	4.50	1.80	.....
1907..	2.05	0.10	3.75	3.00	1.65	0.50	1.70	1.40	4.00	0.65	3.25	1.80	23.85
1908..	0.80	4.90	......	1.95	2.75	......	2.75	......	0.67	0.42	3.12	2.35	.....
Mean	1.74	1.50	2.04	2.22	3.27	2.78	2.86	2.10	2.92	2.69	2.20	1.87	28.10

HARRISVILLE, ALCONA COUNTY, MICH.—Elevation, 616 feet.

1879..	......	......	......	......	......	......	......	......	1.74	0.92	4.81	3.20	.....
1880..	1.11	2.58	2.10	2.77	4.54	6.24	4.52	......	3.55	1.67	1.94	1.23	.....
1881..	1.75	4.50	3.50	1.09	3.21	2.96	1.70	4.51	5.03	4.72	3.47	0.98	37.42
1882..	2.70	2.74	2.23	1.12	2.66	3.04	1.86	11.31	2.18	3.06	3.05	3.34	39.29
1883..	2.60	1.32	0.95	2.42	....	......	......	0.76	5.57	2.68	3.14	0.90	.....
1884..	......	2.63	......	2.81	3.07	4.09	2.19	0.65	3.48	3.34	2.36	5.10	.....
1885..	3.58	1.66	1.48	1.25	2.10	2.65	3.78	4.77	4.18	4.35	1.79	2.72	34.31
1886..	4.66	2.15	4.86	3.22	1.20	5.01	2.07	4.33	3.09	1.57	2.34	2.72	37.22
1887..	4.85	4.30	1.85	2.18	3.17	2.52	4.98	2.35	1.34	5.14	2.07	1.23	35.98
1888..	1.78	2.10	2.59	1.83	2.40	0.74	1.37	5.57	3.04	3.42	3.13	1.70	29.67
1889..	3.43	2.62	0.20	1.16	5.38	3.83	1.55	1.44	2.02	1.61	5.11	4.34	32.69
1890..	4.30	1.73	1.89	3.99	3.64	2.68	1.69	3.20	0.86	2.84	1.63	2.42	29.87
1891..	2.52	2.72	3.94	3.17	0.09	1.87	3.96	9.24	2.17	1.04	5.03	4.56	40.31
1892..	2.66	2.65	2.32	1.71	3.50	6.17	2.51	8.71	2.56	1.61	3.39	1.34	39.13
1893..	3.51	3.22	2.61	5.75	3.16	1.70	2.29	1.88	3.15	4.64	2.32	4.31	38.54
1894..	2.93	2.16	3.01	2.24	8.08	4.35	1.01	0.29	3.17	2.51	2.19	2.03	33.97
1895..	4.42	0.93	0.82	2.41	2.04	2.07	1.13	4.79	2.88	0.79	2.54	3.90	28.72
1896..	2.35	0.97	0.43	2.29	3.23	4.39	2.56	4.08	6.42	1.47	3.60	0.85	32.64
1897..	3.11	1.67	4.14	5.22	4.67	1.33	4.28	2.99	1.05	4.03	1.88	3.58	37.95
1898..	3.45	2.17	2.95	2.66	1.93	6.59	0.48	3.18	3.66	6.27	1.33	1.77	35.84
1899..	1.40	1.38	4.24	0.87	2.40	5.09	6.87	1.64	2.41	3.55	0.57	1.84	32.26
1900..	1.24	4.19	2.05	1.36	2.64	0.53	4.34	5.23	2.25	2.90	3.01	1.37	31.11
1901..	2.01	0.77	4.44	2.93	3.26	1.62	3.50	4.36	3.19	3.44	0.88	1.31	31.71
1902..	1.57	0.95	3.43	1.87	2.81	4.11	6.78	1.79	1.81	3.44	1.94	4.09	34.59
1903..	2.08	2.88	1.86	2.19	2.95	3.32	5.52	5.47	3.63	2.27	1.66	2.22	36.05
1904..	2.13	3.82	2.50	2.54	4.43	5.68	2.61	1.75	1.78	1.57	0.52	2.38	31.71
1905..	2.50	2.12	3.96	3.11	3.64	3.39	4.26	1.99	1.38	2.30	1.93	2.15	32.73
1906..	4.05	2.38	3.59	2.40	4.10	2.51	3.39	2.92	3.29	3.99	4.01	1.87	38.50
1907..	4.47	1.92	3.32	3.36	2.19	2.80	0.34	1.53	3.81	0.86	3.83	3.38	31.81
1908..	3.32	3.50	3.32	2.68	5.30	2.26	2.46	2.05	1.52	0.78	2.12	2.02	31.33
Mean	2.87	2.37	2.66	2.48	3.28	3.34	3.00	3.67	2.87	2.76	2.59	2.50	34.39

HILLSDALE, HILLSDALE COUNTY, MICH.—Elevation, 1,150 feet.

1881..	1.01	4.68	1.71	2.06	2.52	6.78	8.25	1.43	......	......	5.30	4.99	.....
1882..	1.40	2.28	3.10	2.66	6.21	5.39	3.10	1.57	2.08	3.84	1.84	1.44	34.91
1883..	1.47	5.57	0.92	2.26	8.62	5.97	5.25	1.77	1.82	4.22	3.66	1.87	43.40
1884..	1.11	4.36	2.48	1.70	4.13	5.39	1.06	0.62	2.64	3.48	2.41	4.14	33.52
1885..	2.47	......	......	......	......	......	......	......	......	......	......	......	.....
1886-8	......	......	......	......	......	......	......	......	......	......	......	......	....
1889..	1.26	1.70	1.64	0.99	4.15	2.15	3.54	0.54	1.19	1.21	2.56	2.37	23.30
1890..	3.58	1.75	1.82	3.13	4.91	2.59	0.21	2.90	2.75	5.71	2.79	0.81	32.95
1891..	1.34	2.57	2.28	1.93	2.37	3.32	1.85	3.64	1.47	1.44	5.39	1.76	29.36
1892..	0.44	0.93	1.60	2.91	8.61	7.23	4.37	1.15	3.53	0.60	3.21	1.57	36.15
1893..	1.60	1.20	0.74	4.22	2.21	......	......	......	......	......	......	......	.....
1894-6	......	.....	.....	......	......	......	......	......	......	......	......	.....	.....
1897..	......	......	......	2.09	4.08	1.71	2.38	0.74	0.46	2.39	4.92	2.66	.....
1898..	3.93	2.41	4.97	1.25	2.41	2.90	2.91	2.88	4.30	5.90	4.03	1.89	39.78
1899..	2.44	2.02	4.01	0.87	6.65	3.02	3.81	1.26	3.13	3.24	2.01	2.77	35.23
1900..	0.79	4.09	2.55	2.22	2.35	4.49	8.42	1.80	1.55	2.99	4.80	0.43	36.48
1901..	2.53	2.63	2.95	1.98	2.64	3.55	2.68	2.20	0.93	5.63	2.00	3.12	32.84
1902..	0.80	0.69	3.52	1.03	4.01	7.18	5.16	0.44	5.03	1.64	2.16	3.03	34.69
1903..	3.20	3.86	1.48	6.17	3.23	3.31	6.77	6.21	3.16	1.55	1.58	2.64	43.16
1904..	4.07	3.42	4.32	1.76	3.16	2.32	6.29	5.10	3.45	1.93	0.07	1.75	37.64
1905..	2.01	1.57	2.25	3.63	6.02	4.78	3.29	2.73	3.99	.....	......	......	.....
1906..	......	......	1.71	......	4.50	3.85	3.92	5.46	1.48	3.12	2.92	3.94	.....
1907..	3.78	0.26	3.14	2.96	3.98	3.14	......	2.50	5.03	2.22	1.87	3.42	.....
1908..	1.77	5.92	3.66	2.22	7.79	3.07	1.65	5.02	0.61	0.56	1.54	2.85	36.66
Mean	2.05	2.73	2.54	2.40	4.50	4.11	3.94	2.50	2.56	2.87	2.90	2.50	35.60

HAYES, HURON COUNTY, MICH.—Elevation, 620 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	1.00	1.40	0.25	.....	2.60	.....	......	......	......	......	2.59	3.36	.....
1890..	1.41	1.00	0.98	1.61	3.47	3.80	2.17	2.86	0.28	4.98	2.02	1.46	26.04
1891..	.....	3.50	1.70	......	0.84	......	1.49	9.47	2.91	2.17	......	0.60	.....
1892..	2.50	......	0.30	......	2.45	4.84	......	2.32	......	1.18	1.57	1.61	.....
1893..	2.90	2.50	1.40	4.35	3.36	1.25	2.65	1.13	2.11	2.76	2.49	2.95	29.95
1894..	1.14	1.22	1.70	1.60	3.77	1.27	2.06	0.14	3.11	2.17	1.00	0.50	19.68
1895..	4.23	0.60	0.80	1.25	3.08	1.18	2.15	1.93	2.60	0.80	1.86	2.36	22.84
1896..	0.94	0.78	0.50	1.25	2.14	0.78	0.67	2.44	6.05	0.85	2.28	0.46	19.14
1897..	3.93	1.09	3.80	3.08	4.09	2.23	3.74	1.53	1.13	2.72	1.83	1.51	30.68
1898..	1.84	1.82	2.36	1.44	2.00	3.27	1.01	3.57	1.26	5.20	1.09	0.32	25.18
1899..	0.90	0.70	3.54	0.00	2.66	3.00	3.73	T.	2.91	3.19	0.75	1.11	22.49
1900..	0.68	4.68	3.00	1.11	3.10	1.53	1.62	6.91	2.05	4.44	3.95	0.82	33.89
1901..	1.10	0.80	1.78	1.91	1.41	0.76	4.83	2.17	1.18	2.38	0.29	1.57	20.18
1902..	0.25	0.20	5.07	1.20	2.34	4.46	6.57	3.28	4.04	6.19	2.03	2.16	37.79
1903..	1.88	3.45	1.63	3.13	1.89	3.60	2.99	3.38	6.05	3.91	1.45	1.75	35.11
1904..	2.90	3.30	2.31	2.79	4.50	1.50	3.02	2.20	1.34	2.50	T.	3.18	29.54
1905..	1.70	1.50	2.87	1.03	6.98	2.43	4.86	2.08	1.56	2.29	1.00	1.25	29.55
1906..	3.31	1.73	3.37	2.80	3.82	2.24	1.40	2.33	1.80	3.72	2.71	0.60	29.83
1907.	2.38	0.30	2.87	1.47	0.92	2.67	......	0.60	4.47	0.34	1.82	3.43	.....
1908..	2.35	3.21	1.16	1.83	4.44	1.86	3.03	2.61	1.21	0.62	1.60	1.60	25.52
Mean	1.97	1.78	2.07	1.87	2.99	2.37	2.82	2.68	2.56	2.76	1.70	1.63	27.20

HOWELL, LIVINGSTON COUNTY, MICH.—Elevation, 924 feet.

1890..	......	......	1.07	3.39	5.12	3.20	1.22	2.57	1.84	5.34	3.55	1.56	.....
1891..	1.07	3.23	2.70	1.97	2.06	2.17	3.31	6.98	2.02	1.26	4.56	1.02	32.37
1892..	1.74	2.52	1.60	1.67	6.17	3.73	2.52	2.05	3.02	0.59	3.33	1.48	30.42
1893..	2.40	3.49	2.83	5.32	2.36	4.37	1.63	0.75	1.95	3.64	2.57	3.34	34.65
1894..	1.15	2.39	1.95	2.25	5.93	2.19	1.82	0.04	2.56	2.44	1.18	0.79	24.71
1895..	2.30	0.56	0.78	1.36	2.98	1.26	0.87	3.29	0.81	0.75	3.96	5.91	24.85
1896..	0.98	1.20	1.55	4.17	2.98	3.73	7.23	5.67	4.45	1.19	2.00	0.87	36.02
1897..	2.90	0.97	3.13	2.25	2.20	1.75	6.05	3.14	0.10	1.38	4.04	......	.....
1898..	2.84	2.61	6.68	2.69	2.39	1.52	0.27	......	2.10	3.59	2.14	1.77	....
1899..	2.18	2.38	2.31	......	......	......	......	......	1.25	2.65	0.90	0.78	.....
1900..	......	2.20	3.23	1.30	4.13	2.24	2.44	1.15	1.32	2.20	3.02	0.40	.....
1901..	1.50	2.60	1.17	2.20	1.90	0.70	1.95	2.34	1.65	1.40	0.45	1.50	19.36
1902..	0.30	0.50	1.30	0.60	2.70	2.50	3.80	0.00	2.38	0.82	1.52	1.10	17.52
1903..	1.38	1.13	0.37	1.78	0.52	1.92	2.50	1.66	1.51	......	0.75	......	.....
1904..	2.17	.....	......	......	......	......	......	2.12	2.39	1.58	0.10	1.11	.....
1905..	0.79	1.18	1.50	2.19	4.61	3.27	4.33	4.73	5.13	3.24	2.53	0.70	36.20
1906..	1.44	0.76	1.12	1.46	2.53	3.38	3.51	3.07	0.86	3.27	2.35	3.12	26.87
1907..	3.93	0.22	2.80	3.11	2.44	4.59	3.47	......	4.44	2.38	1.50	2.11	.....
1908..	1.05	3.55	2.89	1.03	5.70	......	2.05	......	0.30	1.80	1.51	.....	.....
Mean	1.77	1.85	2.17	2.28	3.34	2.78	2.88	2.83	2.11	2.20	2.21	1.72	28.14

LANSING, INGHAM COUNTY, MICH.—Elevation, 820 feet.

1863..	......	......	......	......	......	......	......	3.00	0.89	1.04	0.40	1.71	.....
1864..	0.94	0.27	2.26	3.80	2.87	3.88	1.25	0.39	3.53	1.86	4.12	3.20	28.37
1865..	0.65	1.76	2.79	2.32	1.77	3.55	3.91	3.38	4.79	2.76	0.68	1.43	29.79
1866..	2.03	2.28	3.39	1.40	3.48	5.37	4.19	3.44	5.80	3.57	2.60	1.90	39.45
1867..	1.68	3.23	0.66	2.19	3.80	2.83	1.78	1.74	1.42	2.11	1.77	1.34	24.57
1868..	1.47	1.28	4.65	1.83	2.80	3.55	1.11	2.42	2.95	1.11	2.44	1.35	26.96
1869..	0.87	2.95	1.65	3.42	2.05	4.40	5.77	4.85	1.43	1.72	1.93	2.11	33.15
1870..	1.93	1.20	3.01	2.02	1.16	7.27	8.02	4.53	2.85	2.29	0.91	2.57	37.76
1871..	3.95	1.73	3.91	2.97	1.97	2.93	3.10	1.42	0.79	1.43	1.25	1.76	27.21
1872..	0.42	0.46	2.04	1.26	3.72	3.45	3.36	4.18	5.21	0.67	0.98	1.06	26.81
1873..	2.98	0.77	1.73	3.88	3.05	2.96	5.12	0.80	3.50	1.91	2.03	3.02	31.75
1874..	3.53	1.55	1.79	1.67	1.77	5.07	2.56	1.28	1.27	0.49	1.61	0.37	22.96
1875..	1.81	2.20	1.02	0.61	4.46	1.84	2.42	1.47	2.89	5.81	1.11	2.80	28.44
1876..	1.63	3.04	4.84	2.08	4.13	4.34	2.10	1.28	3.65	1.26	0.91	1.29	30.55
1877..	1.33	0.00	5.60	4.14	2.23	3.53	2.25	6.57	1.38	5.69	3.67	1.03	37.42
1878..	1.12	2.74	3.12	3.76	3.44	3.15	2.96	1.85	3.41	1.99	2.16	2.27	31.97
1879..	0.49	1.43	1.57	1.25	2.45	2.87	2.19	1.61	3.19	1.57	4.55	3.55	26.72
1880..	2.67	1.62	1.70	7.06	5.59	5.04	6.27	6.02	3.10	2.84	2.32	0.85	45.08
1881..	2.27	3.77	2.66	1.73	2.11	4.37	1.81	1.63	2.91	5.56	4.09	1.75	34.66
1882 .	1.47	2.28	3.58	1.88	4.04	5.57	2.32	5.72	0.67	2.64	1.83	0.88	32.88
1883..	1.53	4.50	0.71	1.90	5.66	11.35	11.27	0.18	2.34	3.66	3.98	1.28	48.36
1884..	1.23	3.69	3.67	1.95	3.95	2.83	2.60	1.30	3.34	5.73	1.84	4.15	36.28
1885..	2.70	0.73	0.58	2.47	2.30	6.01	2.52	6.75	3.75	3.08	2.90	2.14	35.93
1886..	2.66	1.35	2.63	1.99	2.67	1.92	0.65	4.69	5.40	0.95	1.48	1.56	27.95
1887..	3.25	5.71	1.78	0.90	2.42	2.47	1.50	0.89	4.72	1.86	2.28	3.32	31.10
1888..	2.18	1.70	1.88	1.15	3.66	2.51	2.40	1.87	1.89	3.00	3.12	1.20	26.56
1889..	1.53	1.17	1.22	2.02	3.61	3.42	3.41	0.68	0.79	0.65	2.67	2.61	23.78
1890..	2.31	1.79	1.54	3.20	4.98	3.92	0.92	3.60	1.67	4.56	2.30	1.12	31.91
1891..	0.82	2.20	2.41	1.74	1.63	2.55	1.88	4.82	1.10	0.82	3.34	1.47	24.78
1892..	0.96	1.93	1.31	2.04	5.92	4.33	2.00	5.12	2.17	0.78	1.84	1.52	29.92
1893..	1.78	1.83	2.82	4.81	2.86	4.85	1.86	0.56	1.84	3.61	2.19	2.28	31.29
1894..	1.37	0.53	1.25	2.76	4.83	1.30	0.86	0.00	2.59	1.91	0.97	0.93	19.30
1895..	1.04	0.12	0.27	0.67	2.06	1.01	1.47	4.64	0.85	1.41	3.87	5.39	22.80
1896..	0.79	1.51	1.31	2.77	3.14	2.60	6.73	4.73	6.73	1.06	1.05	0.80	33.22
1897..	4.17	0.67	2.08	2.74	3.29	2.57	8.49	1.69	0.80	2.15	2.94	2.02	33.61
1898..	3.07	1.82	3.59	2.12	2.15	4.91	1.34	2.73	3.00	3.55	2.72	1.42	32.42
1899..	2.03	1.51	3.30	1.23	3.59	1.15	2.11	0.70	2.14	2.68	1.72	1.51	23.67
1900..	1.17	3.44	1.88	2.00	4.17	2.57	4.15	2.98	0.89	2.77	5.10	0.50	31.62
1901..	1.51	1.83	2.94	2.16	2.42	3.57	5.08	2.49	1.67	4.61	1.21	3.00	32.49
1902..	0.43	0.44	3.16	1.70	4.92	7.28	7.13	0.68	5.88	1.53	2.46	2.89	38.50
1903..	1.20	1.58	1.25	4.40	2.63	6.28	3.79	6.73	2.86	2.01	1.45	1.75	35.93
1904..	2.82	3.30	3.45	0.50	2.40	2.49	1.97	3.26	2.35	1.90	0.04	1.42	25.90
1905..	1.07	1.25	3.15	1.49	5.17	7.47	5.75	3.92	3.21	1.75	2.25	2.51	39.02
1906..	1.99	1.12	1.86	2.43	3.05	4.61	2.23	4.35	0.76	2.36	2.66	1.85	29.27
1907..	3.97	0.25	2.84	2.81	2.22	2.37	4.30	2.87	4.68	2.22	1.83	4.19	34.55
1908..	1.89	3.19	2.19	2.15	5.59	1.23	1.03	3.99	0.65	0.82	1.82	2.08	26.63
Mean	1.79	1.90	2.38	2.34	3.22	3.86	3.33	2.91	2.69	2.39	2.20	1.98	30.99

NOTE.—This precipitation record was kept at the Agricultural College, which is about three and one-half miles east of Lansing.

LEWISTON, MONTMORENCY COUNTY, MICH.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	......	1.43	0.39	1.96	3.64	6.23	1.69	2.19	4.20	1.12	3.17	4.22	.....
1890..	4.21	2.04	2.27	4.66	2.98	2.57	2.48	3.64	2.00	2.58	2.25	0.77	32.45
1891..	.....	2.52	2.50	1.20	0.29	5.76	1.55	4.09	1.55	1.92	5.12	3.22	.....
1892..	1.40	1.99	0.62	1.98	4.59	5.34	3.25	6.23	2.46	1.72	3.07	1.54	34.19
1893..	3.38	2.01	1.55	2.89	2.99	1.67	3.25	1.42	3.70	4.31	2.29	3.27	32.73
1894..	1.83	0.36	1.94	1.72	3.53	5.24	1.43	1.09	3.31	2.91	1.03	0.80	25.19
1895..	1.66	0.61	0.65	2.04	1.88	2.70	0.78	2.35	5.05	1.26	1.95	2.61	23.54
1896..	1.74	0.48	0.48	2.66	3.78	2.89	3.10	6.06	5.98	1.07	4.81	0.69	33.74
1897 1904	......	......	.....	......	......	.....	......	......	......	......	......	......	.....
1905..	......	......	......	......	.....	......	......	......	......	......	......	1.86	.....
1906..	2.95	2.15	3.05	2.01	3.10	5.31	2.00	3.64	1.96	2.37	4.86	2.68	36.08
1907..	3.15	1.65	3.78	3.13	2.91	2.54	1.34	2.43	4.03	1.64	2.65	2.85	32.10
1908..	2.25	2.90	3.15	2.69	4.35	1.49	6.86	1.06	2.57	0.71	3.59	4.30	35.92
Mean	2.51	1.65	1.85	2.45	3.09	3.79	2.52	3.11	3.35	1.96	3.16	2.40	31.84

MOUNT PLEASANT, ISABELLA COUNTY, MICH.—Elevation, 826 feet.

1887..	......	......	......	1.02	1.85	2.87	0.64	2.01	......	......	......	......	...
1888..	......	......	......	......	......	.....	1.04	0.99	1.27	......	......	......	.....
1889 1894	.....	......	......	......	....	......	......	......	......	......	......	.....	.....
1895..	......	......	......	......	......	......	......	1.16	1.88	0.47	4.48	2.48	.....
1896..	1.25	1.00	2.30	3.68	2.67	3.70	1.27	2.43	6.00	0.59	2.54	0.67	28.10
1897..	4.24	1.14	3.05	2.95	1.65	1.56	3.04	1.49	0.93	2.37	1.87	2.44	26.73
1898..	3.71	2.33	1.94	1.83	2.37	4.04	1.39	4.49	1.99	5.58	2.73	0.67	33.07
1899..	0.98	......	3.96	1.05	3.59	2.18	6.59	0.92	3.02	2.49	0.79	2.16	.....
1900..	1.63	2.64	0.85	1.36	3.36	1.63	5.17	4.30	1.31	2.77	.....	0.40	.....
1901..	1.33	1.20	2.54	1.14	1.79	1.99	3.10	3.75	2.90	2.18	......	1.39	.....
1902..	0.60	0.50	4.14	0.96	3.96	5.66	6.47	1.67	2.09	2.65	1.75	1.83	32.28
1903..	1.57	2.00	1.50	2.99	3.06	2.94	1.26	2.88	5.25	......	1.22	1.55	....
1904..	1.90	.. ...	1.37	......	2.80	......	.....	......	......	......	....	.....	.....
1905..	......	......	......	.....	......	......	......	......	2.16	2.85	1.02	1.78	.....
1906..	......	......	......	......	......	......	......	......	3.50	......	......	......	.....
1907..	2.63	0.25	3.15	1.91	2.25	2.81	1.38	1.97	3.10	0.20	1.51	2.20	23.36
1908..	2.10	3.80	......	......	2.43	0.90	3.48	1.05	0.34	1.09	2.90	1.70	.....
Mean	1.99	1.65	2.48	1.89	2.64	2.75	2.90	2.24	2.55	2.11	2.08	1.61	26.89

OMER, ARENAC COUNTY, MICH.—Elevation, 616 feet.

1897..	......	0.55	3.50	......	.....	1.16	3.05	0.96	0.85	3.48	1.44	1.35	.....
1898..	3.23	......	2.26	2.07	1.50	1.65	1.05	4.22	2.84	5.12	1.95	1.15	.....
1899..	0.80	1.66	3.80	1.20	3.80	1.70	4.00	T.	1.75	3.55	......	0.80	.....
1900..	0.55	......	0.45	1.65	2.40	1.60	1.65	3.35	0.70	1.70	2.00	0.10	.....
1901..	0.80	0.50	3.40	1.40	1.23	0.61	4.69	1.02	1.49	2.17	.....	1.43	.....
1902..	0.15	0.15	2.65	0.84	4.15	2.63	4.96	1.78	2.12	3.41	1.69	1.12	25.65
1903..	1.50	2.63	......	2.96	......	1.08	1.09	2.81	3.48	3.21	1.75	1.00	.....
1904..	0.30	1.40	1.76	......	1.60	0.68	5.58	2.40	2.89	0.99	......	2.15	.....
1905..	1.40	1.00	2.43	3.38	4.87	2.18	3.11	......	2.06	3.38	....	1.40	.....
1906..	4.63	1.98	1.90	2.45	1.37	2.34	0.88	3.86	1.59	2.87	......	0.50	.....
1907..	0.90	0.20	2.90	2.66	1.24	2.48	......	......	3.58	......	......	3.10	.....
1908..	1.70	2.75	3.40	2.75	4.35	0.30	2.29	1.20	0.46	0.87	2.35	1.90	24.32
Mean	1.45	1.28	2.59	2.14	2.65	1.53	2.94	2.16	1.98	2.80	1.86	1.33	24.94

SAGINAW, SAGINAW COUNTY, MICH.—Elevation, 601 feet.

1885..	......	......	......	......	......	......	......	......	2.32	3.15	2.74	3.31	.....
1886..	2.86	1.95	3.08	3.00	2.58	......	1.94	......	4.58	2.03	2.16	1.80	.....
1887..	4.89	5.14	1.30	1.70	1.81	......	......	......	......	.....	2.20	2.20	.....
1888..	1.48	1.74	......	......	......	....	.....	......	2.38	2.10	3.13	0.92	.....
1889..	2.21	2.33	0.56	0.63	......	......	......	......	......	......	......	......	.....
1890..	......	......	......	......	......	......	.....	......	......	5.22	......	......	.....
1891-5	.....	......	......	......	......	......	.....	......	.....	......	......	.....	.....
1896..	......	.....	......	2.92	1.11	2.41	1.22	5.06	5.17	0.59	2.19	1.07	.....
1897..	5.36	0.98	3.31	2.65	4.03	2.16	6.87	1.92	1.05	2.01	2.75	2.40	35.49
1898..	4.50	3.49	3.35	1.65	2.41	4.59	2.21	4.72	2.61	3.94	2.82	2.11	38.40
1899..	1.82	1.38	5.56	0.98	3.52	0.98	5.35	0.04	2.93	3.46	1.70	1.50	29.22
1900..	1.39	3.72	2.34	2.24	4.09	2.57	3.89	5.23	1.31	3.62	4.40	0.48	35.28
1901..	1.65	1.49	3.54	2.59	1.85	1.57	4.76	3.02	0.76	3.27	1.26	2.51	28.27
1902..	0.36	0.56	4.70	1.13	5.16	5.78	6.97	2.48	5.81	2.96	2.52	2.56	40.99
1903..	2.11	3.59	1.41	2.69	3.15	3.61	2.81	6.07	5.60	3.19	1.32	1.76	37.31
1904..	1.43	2.14	3.72	2.81	3.97	1.96	4.44	2.06	2.98	2.02	0.15	1.13	28.81
1905..	1.93	1.03	3.16	2.36	7.94	4.24	5.11	1.83	4.85	3.10	2.18	1.55	39.30
1906..	3.26	2.00	1.77	2.51	2.66	2.66	3.01	4.15	2.04	3.49	2.62	2.91	33.08
1907..	3.39	0.41	3.11	2.93	1.76	1.66	1.39	0.50	5.58	1.41	2.02	3.21	27.37
1908..	2.48	3.14	2.73	2.69	7.59	2.14	3.41	2.81	0.69	1.05	2.16	2.30	33.10
Mean	2.57	2.19	2.91	2.22	3.58	2.79	3.81	3.07	3.17	2.74	2.25	1.98	33.28

OWOSSO, SHIAWASSEE COUNTY, MICH.—Elevation, 731 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	1.03	1.06	1.19	3.32	3.26	2.04	3.47	5.28	6.92	0.72	3.11	1.12	32.52
1897..	4.30	0.84	3.64	3.05	3.32	2.42	3.88	2.04	0.53	2.89	2.79	1.67	31.37
1898..	3.91	2.31	3.80	1.62	2.44	3.87	1.80	2.50	2.82	3.23	2.52	1.35	32.17
1899..	......	1.60	4.71	......	.....	.	5.22	0.17	2.99	3.15	1.72	1.79	.....
1900 .	1.28	3.50	2.20	1.44	3.53	2.12	4.73	4.09	1.44	3.95	4.80	0.20	33.28
1901..	1.65	1.80	2.35	2.20	3.60	1.30	4.95	2.20	0.80	2.80	1.10	2.75	27.50
1902..	0.15	0.40	4.09	1.50	4.60	5.91	11.06	0.42	7.11	2.20	1.80	0.61	39.13
1903..	1.20	2.30	0.20	.....	0.80	0.80	1.70	2.80	1.45	0.40	1.10	0.70	.....
1904..	0.80	......	......	.....	......	0.35	......	......	1.25	...	T.	......	.....
1905..	1.20	......	......	.....	4.05	7.48	4.15	2.91	2.79	2.50	2.23	0.75	.....
1906..	......	1.15	1.41	2.58	1.94	3.48	4.02	1.20	0.78	3.99	......	1.93	.....
1907..	4.20	0.23	2.47	4.08	2.03	2.57	3.52	0.52	4.66	1.80	2.43	3.28	31.79
1908..	1.24	1.69	3.24	2.76	6.38	1.63	3.06	4.26	0.70	0.80	2.61	1.29	29.66
Mean	1.91	1.53	2.67	2.51	3.27	2.77	4.28	2.37	2.63	2.37	2.19	1.45	29.95

PORT HURON, ST. CLAIR COUNTY, MICH.—Elevation, 639 feet.

1875..	1.08	1.43	4.03	1.13	3.93	1.68	2.14	2.79	2.38	4.41	1.10	3.04	29.14
1876..	1.78	3.93	5.25	2.17	4.07	3.42	3.01	3.00	2.88	2.72	1.66	3.24	37.16
1877..	2.33	T.	6.25	2.20	1.34	4.59	1.59	4.03	0.28	3.96	3.93	1.11	31.61
1878..	1.41	1.53	5.17	2.88	2.41	2.90	4.74	4.53	5.48	3.56	2.63	2.67	39.91
1879..	0.84	1.27	1.56	1.78	1.32	3.29	2.01	0.64	4.37	1.42	5.07	3.97	27.54
1880.	2.22	1.54	1.75	5.39	3.84	4.21	4.97	4.51	2.17	4.06	2.79	1.23	38.68
1881.	3.50	4.91	4.60	0.76	1.66	3.82	1.30	1.61	2.86	4.14	2.70	3.41	35.27
1882..	2.81	2.23	5.25	2.33	4.99	6.34	1.91	7.36	0.88	1.76	2.23	2.95	41.04
1883..	1.65	4.00	2.86	1.26	5.69	5.71	5.63	0.59	2.24	3.47	2.58	1.30	36.98
1884..	1.63	3.16	1.84	2.58	1.71	2.87	2.04	1.25	1.87	4.86	2.34	3.01	29.19
1885..	2.87	3.39	0.71	1.26	3.80	5.29	3.00	3.28	2.06	2.52	3.10	2.53	33.81
1886..	2.19	2.11	2.82	2.48	4.29	1.02	2.00	2.73	4.73	1.31	2.40	1.76	29.84
1887..	2.03	4.86	1.20	0.80	2.24	2.44	1.47	1.87	2.48	1.42	1.79	2.22	24.82
1888..	1.46	1.78	2.24	1.25	2.40	2.45	3.24	0.99	1.89	2.52	2.63	1.48	24.33
1889..	3.08	1.71	0.73	1.88	3.66	1.86	0.69	0.14	0.46	1.56	3.73	2.72	22.22
1890..	3.11	1.76	1.43	2.46	4.30	4.72	0.96	4.33	1.23	4.92	2.42	1.31	32.95
1891..	1.81	2.33	2.18	2.60	2.17	2.13	3.93	4.28	3.28	1.86	5.26	1.86	33.69
1892..	1.80	2.71	1.28	1.99	4.56	5.76	1.68	2.58	5.47	1.26	3.44	1.42	33.95
1893..	2.24	3.57	1.47	3.71	2.50	4.43	2.04	2.16	0.90	5.25	3.00	3.53	34.80
1894..	0.86	2.88	1.28	2.28	6.97	3.38	0.65	0.07	3.71	2.13	1.43	1.28	26.92
1895..	2.69	0.18	1.09	1.45	2.89	0.90	1.15	3.15	3.68	0.85	3.91	4.17	26.11
1896..	0.69	1.37	1.47	2.52	1.86	1.79	4.88	4.74	4.74	1.25	1.81	1.31	28.43
1897..	2.50	1.40	3.42	2.01	4.32	2.70	3.51	2.31	0.51	2.25	4.90	2.27	32.10
1898..	2.97	2.99	3.64	1.24	1.61	3.40	1.44	2.87	2.34	4.28	3.19	3.17	33.14
1899..	2.02	0.95	2.93	0.77	2.14	2.15	1.92	0.31	4.73	4.15	1.43	2.35	25.85
1900..	1.26	3.06	2.17	1.30	3.85	2.60	3.86	4.12	1.32	1.14	3.71	0.34	28.73
1901..	1.10	1.38	1.37	1.78	2.95	1.26	2.67	0.54	2.13	1.14	1.19	2.85	20.36
1902..	0.52	0.76	2.05	1.25	4.53	5.30	5.29	4.05	6.27	2.57	1.75	1.43	35.77
1903..	1.38	2.46	1.54	2.19	3.68	2.47	4.89	4.26	3.23	2.16	2.78	1.87	32.91
1904..	1.76	1.43	2.62	3.23	1.82	3.12	2.34	3.56	2.22	1.89	0.43	1.55	25.97
1905..	1.59	0.81	1.05	1.65	3.39	2.73	4.17	4.14	2.54	3.21	2.62	1.10	29.00
1906..	1.77	1.27	1.87	1.25	2.59	3.51	2.72	0.94	1.61	5.21	1.95	2.64	27.33
1907..	3.06	0.42	2.38	2.64	2.00	2.69	1.98	1.57	4.53	1.92	1.48	2.75	27.42
1908..	1.95	3.26	1.74	1.79	3.73	2.03	1.09	4.80	0.32	0.73	1.20	1.56	24.20
Mean	1.94	2.14	2.45	2.01	3.21	3.20	2.67	2.77	2.70	2.70	2.61	2.22	30.62

THORNVILLE, LAPEER COUNTY, MICH.—Elevation, 975 feet.

1877..	2.00	0.00	4.67	2.75	1.63	2.54	1.78	6.69	1.31	4.66	3.49	1.53	33.05
1878..	1.83	3.13	4.18	2.16	1.94	4.22	5.80	1.46	3.21	1.66	2.92	2.73	35.24
1879..	0.56	1.44	1.76	1.95	3.14	2.58	2.51	1.49	5.25	2.12	4.82	5.25	32.87
1880..	2.55	1.46	1.48	6.13	4.05	3.04	6.86	5.99	2.14	2.34	2.29	0.67	39.00
1881..	2.78	2.68	3.21	1.35	1.37	2.52	0.47	1.04	3.82	4.10	4.43	2.41	30.18
1882..	1.56	2.15	3.29	2.22	4.45	6.22	1.42	6.43	0.95	2.51	1.42	1.67	35.29
1883..	1.25	3.94	1.63	1.51	5.64	9.14	6.69	0.86	3.12	3.94	1.84	1.91	41.47
1884..	1.79	4.08	3.35	1.97	2.78	3.76	4.30	1.47	3.30	5.34	1.59	3.07	36.80
1885..	2.63	1.53	1.24	2.61	3.12	5.55	3.10	5.15	2.64	3.26	4.90	2.60	38.33
1886..	2.72	1.09	1.89	2.84	3.45	1.92	2.27	3.25	4.69	1.61	2.01	3.12	30.86
1887..	2.20	3.56	1.85	1.46	4.30	2.57	1.75	3.11	3.44	2.01	2.26	3.13	31.64
1888..	1.26	0.83	2.12	1.57	2.78	3.81	2.31	1.81	1.52	2.79	3.11	1.65	25.56
1889..	2.51	1.17	0.71	1.34	4.48	2.38	1.90	0.35	1.56	1.28	3.79	3.09	24.56
1890..	3.38	1.66	1.91	3.35	5.86	3.39	1.10	4.56	2.43	7.06	2.70	1.43	39.76
1891..	1.14	3.94	2.40	2.13	1.10	2.49	4.26	3.07	3.96	3.26	5.32	2.92	35.99
1892..	1.41	2.02	0.88	1.72	6.43	3.48	2.84	2.39	4.77	0.91	3.24	1.51	31.60
1893..	2.76	2.16	1.33	5.12	1.33	3.87	2.99	0.92	1.06	4.64	3.15	3.27	32.60
1894..	0.99	1.31	0.57	2.20	6.15	1.90	2.36	0.18	2.91	2.71	1.31	0.66	23.25
1895..	2.89	0.29	1.13	1.41	3.74	0.88	0.82	4.11	3.11	0.82	3.74	4.74	27.68
1896..	1.58	1.23	0.62	3.77	2.63	4.02	3.91	6.23	4.84	0.56	1.36	0.64	31.42
1897..	2.39	1.56	3.89	1.33	5.15	1.06	3.56	1.47	0.62	1.67	3.31	2.29	28.30
1898..	2.99	2.68	2.91	1.45	2.49	3.30	1.24	2.27	1.41	4.02	2.88	1.56	29.23
1899..	3.31	1.71	4.31	0.67	2.84	1.65	2.67	2.38	2.83	3.16	1.40	2.13	29.06
1900..	1.04	3.47	1.28	1.35	4.61	4.57	3.06	3.06	1.39	3.24	3.06	0.36	30.49
1901..	1.97	1.96	0.99	1.27	3.58	2.56	3.25	3.39	2.08	3.12	1.47	3.01	28.65
1902..	0.65	1.10	1.84	1.49	4.35	6.64	9.09	3.21	5.90	2.77	2.02	2.75	41.81
1903..	1.73	3.58	1.46	2.63	3.39	4.95	3.17	7.18	4.39	1.83	2.09	3.53	39.93
1904..	2.90	1.57	2.35	1.88	2.20	0.81	3.37	3.86	3.93	3.40	0.60	1.52	28.39
1905..	1.62	1.66	1.21	2.94	4.48	5.65	6.28	4.54	5.11	3.52	2.33	1.73	41.07
1906..	3.23	1.50	2.73	2.27	3.60	5.80	3.73	3.37	1.37	7.08	3.21	2.85	40.74
1907..	6.41	0.82	3.61	4.15	2.76	4.08	2.80	2.28	4.08	3.22	2.84	3.66	40.80
1908..	2.22	5.07	2.39	2.50	5.89	1.08	2.84	4.92	0.69	1.90	2.65	2.29	34.44
Mean	2.20	2.07	2.16	2.30	3.62	3.54	3.27	3.20	2.93	3.04	2.74	2.36	33.43

MISCELLANEOUS DATA.

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Adrian	21	8	7	9	8	11	9	8	7	7	7	9	8	98
Alma	21	9	7	9	7	9	8	8	6	8	6	8	8	93
Alpena	37	16	14	13	11	12	12	11	11	12	13	15	16	156
Ann Arbor	20	9	9	10	10	12	11	9	8	8	8	9	9	112
Arbela	20	9	7	8	8	10	9	8	6	7	6	8	8	94
Ball Mountain	20	10	9	9	8	10	10	8	6	7	7	8	9	101
Cheboygan	18	9	7	6	7	8	7	8	9	8	8	9	9	95
Detroit	39	13	12	13	11	13	11	10	9	9	10	12	14	137
Grayling	20	10	8	7	7	7	7	8	6	7	6	8	10	91
Harbor Beach	20	8	6	7	6	8	7	7	7	6	7	7	7	83
Harrison	17	7	6	6	6	7	7	6	5	7	7	6	6	76
Harrisville	21	12	10	11	9	11	9	10	9	9	9	10	12	121
Lansing	22	14	9	9	8	8	7	5	6	6	6	9	10	97
Omer	13	4	4	5	4	6	4	5	6	5	5	5	4	57
Port Huron	35	14	13	13	11	13	11	11	9	10	11	12	15	143
Saginaw	13	13	11	12	10	12	10	11	8	10	9	10	11	127

Mean temperature.

Adrian	31	23.0	23.2	33.3	46.5	58.0	67.7	74.3	71.9	65.1	52.0	38.9	28.1	48.5
Alma	23	21.5	18.9	30.3	44.3	56.1	66.2	69.9	67.3	60.8	48.5	37.6	26.3	45.6
Alpena	37	19.0	17.8	25.0	38.4	49.9	60.4	65.7	63.9	57.7	46.1	34.2	24.5	41.9
Ann Arbor	30	22.5	22.5	31.9	45.4	57.6	67.1	71.7	69.2	62.8	49.9	37.1	26.7	47.0
Arbela	14	23.0	20.1	31.8	44.6	56.9	65.7	71.0	68.8	62.7	50.0	37.9	25.9	46.5
Ball Mountain	19	22.3	20.5	31.0	44.5	55.9	65.6	69.7	67.5	62.1	49.5	36.5	26.4	46.0
Cheboygan	20	18.6	16.0	25.5	40.2	50.6	61.7	66.8	65.0	59.9	47.9	34.8	23.9	42.6
Detroit	33	24.3	25.0	32.9	45.5	57.9	67.8	72.0	69.9	63.1	51.7	38.6	29.5	48.2
Grayling	21	17.3	15.7	25.2	41.6	54.1	64.1	67.5	64.2	58.5	46.3	34.4	22.9	42.6
Harbor Beach	22	22.5	20.1	29.4	41.0	51.8	62.2	67.9	66.4	61.2	49.3	37.2	27.2	44.7
Harrison	17	19.2	17.4	26.6	42.5	53.7	64.0	68.5	65.6	59.6	47.3	33.4	23.4	43.4
Harrisville	26	19.7	18.8	26.4	39.1	50.4	60.9	66.8	65.3	59.4	48.0	34.9	24.5	42.8
Lansing	22	22.8	21.5	32.2	45.8	57.2	67.0	71.1	68.5	62.0	49.7	37.3	27.6	46.9
Omer	11	20.6	16.6	28.1	41.8	52.7	62.8	67.0	64.8	59.8	48.6	36.3	23.6	43.6
Port Huron	35	22.5	22.1	30.1	42.5	54.0	63.7	69.1	67.8	61.8	49.9	37.5	27.3	46.0
Saginaw	16	21.7	20.5	31.9	45.0	58.1	67.3	71.8	69.4	62.5	50.0	37.9	26.5	46.9

Highest temperatures by months.

Adrian	21	66	64	85	88	97	100	101	102	100	90	76	64	102
Alma	21	59	60	77	88	92	98	100	98	96	87	71	60	100
Alpena	37	52	59	77	83	95	98	98	95	94	87	70	56	98
Ann Arbor	20	63	63	80	88	91	95	102	100	98	91	73	62	102
Arbela	17	62	64	78	85	89	95	101	99	96	88	73	62	101
Ball Mountain	19	60	60	77	88	92	94	97	97	98	87	71	61	98
Cheboygan	19	59	51	72	86	89	95	101	95	95	89	73	56	101
Detroit	36	66	64	77	85	95	96	101	99	97	88	71	65	101
Grayling	20	52	55	74	87	98	100	101	97	94	87	74	54	101
Harbor Beach	21	59	60	77	84	93	98	101	100	95	88	71	59	101
Harrison	17	52	56	75	86	89	97	99	97	97	84	69	53	99
Harrisville	23	51	55	74	84	95	100	103	98	98	87	74	56	103
Lansing	22	63	62	78	86	91	96	100	97	94	87	72	62	100
Omer	13	53	58	72	90	96	102	100	98	95	85	72	55	102
Port Huron	35	64	60	75	84	93	97	99	99	97	87	70	65	99
Saginaw	15	60	63	78	89	92	99	101	99	96	88	78	58	101

Lowest temperatures by months.

Adrian	21	—26	—20	— 7	17	22	34	42	38	27	15	— 5	—16	—26
Alma	21	—24	—26	—11	7	17	31	35	35	24	14	— 6	—14	—26
Alpena	37	—27	—27	—19	— 2	22	34	40	38	28	15	— 4	—15	—27
Ann Arbor	20	—16	—16	— 5	15	20	37	41	42	27	19	7	—16	—16
Arbela	17	—17	—24	—13	10	23	33	36	31	23	19	8	—12	—24
Ball Mountain	19	—18	—18	—14	7	19	31	37	40	28	16	2	— 9	—18
Cheboygan	19	—20	—38	—22	— 2	17	28	33	35	25	15	— 6	—18	—38
Detroit	36	—16	—20	— 7	8	28	38	48	45	30	22	0	—24	—24
Grayling	20	—35	—41	—35	— 2	10	27	28	29	19	7	— 6	—22	—41
Harbor Beach	21	—17	—21	—10	11	21	30	35	33	21	18	6	— 5	—21
Harrison	17	—19	—36	—14	4	20	31	35	27	15	15	— 5	—11	—36
Harrisville	23	—21	—27	—14	5	19	29	37	34	25	10	2	—12	—27
Lansing	22	—14	—17	— 3	14	25	37	43	39	27	17	4	—13	—17
Omer	13	—28	—40	—15	1	10	29	29	25	24	11	1	—20	—40
Port Huron	35	—15	—25	—14	7	26	35	42	41	30	19	— 6	—14	—25
Saginaw	15	—15	—20	— 5	11	24	36	40	41	27	20	8	—10	—20

Average depth of snowfall.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Adrian	21	7.7	7.0	5.3	0.4	T.	....	....	....	....	T.	1.8	6.3	28.5
Alma	21	14.2	13.5	8.8	1.6	0.4	....	....	....	....	0.5	6.2	9.8	55.0
Alpena	25	17.8	15.3	10.3	3.7	0.8	....	....	....	T.	0.8	6.6	14.0	69.3
Ann Arbor	20	8.5	10.5	5.9	1.2	0.2	....	....	....	....	T.	3.0	9.2	38.5
Arbela	19	10.4	11.1	6.6	1.7	0.2	....	....	....	T.	0.2	4.1	7.7	42.0
Ball Mountain	19	10.0	11.6	7.4	1.4	0.3	....	....	....	....	0.3	3.5	8.1	42.6
Cheboygan	19	15.6	13.6	9.0	2.3	0.7	....	....	....	T.	0.7	6.6	13.5	62.0
Detroit	39	10.3	11.7	8.1	1.2	0.1	....	....	....	....	....	2.9	9.8	44.1
Grayling	19	19.6	15.1	13.6	5.7	1.3	....	....	....	0.1	2.9	10.1	16.4	84.8
Harbor Beach	19	11.3	11.6	4.8	1.0	....	....	....	....	....	0.3	2.9	8.5	40.4
Harrison	17	10.8	11.9	7.1	4.1	0.2	....	....	....	....	0.9	5.1	9.3	49.4
Harrisville	23	20.9	17.7	12.4	3.6	0.5	....	....	....	....	0.5	5.5	16.5	77.6
Lansing	22	10.7	11.1	7.2	1.8	0.4	....	....	....	....	0.2	4.5	8.4	44.3
Omer	13	9.7	9.2	7.5	1.8	0.2	....	....	....	....	0.2	3.9	9.1	41.6
Port Huron	24	10.7	11.0	6.5	3.0	0.1	....	....	....	....	0.6	4.3	9.5	45.6
Saginaw	15	12.9	13.9	8.5	2.2	T.	....	....	....	....	0.2	3.3	9.4	50.4

Mean relative humidity.

Alpena	22	86	85	83	79	76	78	78	83	86	86	86	86	83
Detroit	20	84	82	78	70	70	72	68	71	74	75	79	82	76
Port Huron	22	82	82	79	73	73	74	72	74	78	78	80	81	76

Average hourly wind movement, in miles.

Alpena	37	10	11	11	10	9	8	8	8	9	10	10	10	10
Detroit	20	12	13	12	12	11	10	9	9	10	11	12	13	11
Port Huron	26	12	12	12	12	11	9	9	9	10	11	12	13	11

Direction of prevailing wind.

Adrian	21	sw	sw	sw	nw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Alma	21	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Alpena	37	w	w	nw	nw	se	se	se	nw	nw	nw	w	w	nw
Ann Arbor	20	sw	w	w	w	w	sw	w	w	sw	sw	sw	sw	sw
Arbela	20	nw	sw	nw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Ball Mountain	19	sw	nw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Cheboygan	19	nw	nw	nw	nw	nw	nw	nw	nw	sw	sw	nw	sw	nw
Detroit	20	sw	sw	sw	ne	sw	sw	sw	sw	sw	sw	sw	sw	sw
Grayling	20	nw	nw	nw	nw	nw	nw	nw	nw	sw	nw	nw	sw	nw
Harbor Beach	21	w	nw	n	n	n	ne	ne	n	sw	sw	w	w	n
Harrison	17	nw	nw	nw	nw	sw	sw	sw	sw	sw	sw	nw	nw	sw
Harrisville	23	sw	sw	nw	nw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Lansing	22	sw	sw	nw	nw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Omer	13	s	w	nw	w	ne	sw	sw	w	s	nw	sw	nw	w
Port Huron	26	sw	s	n	n	ne	n	ne	ne	s	sw	sw	sw	sw
Saginaw	14	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw

Frost data.

Stations.	Length of record, years.	Average date of first killing frost in autumn.		Average date of last killing frost in spring.		Earliest date of killing frost in autumn.		Latest date of killing frost in spring.
Adrian	8	Oct.	30	May	10	Sept.	19	May 28.
Alma	8	Sept.	30	May	14	Sept.	11	May 28.
Alpena	35	Sept.	28	May	14	Sept.	6	June 9.
Ann Arbor	8	Oct.	12	May	6	Sept.	22	May 11.
Arbela	10	Sept.	23	May	11	Sept.	3	May 28.
Ball Mountain	11	Oct.	4	May	10	Sept.	11	May 29.
Cheboygan	11	Sept.	24	May	20	Sept.	10	June 15.
Detroit	35	Oct.	11	April	30	Sept.	21	May 31.
Grayling	9	Sept.	18	May	18	Aug.	30	May 31.
Harbor Beach	9	Oct.	5	May	11	Sept.	17	May 28.
Harrison	8	Sept.	27	May	17	Sept.	3	May 30.
Harrisville	8	Oct.	4	May	16	Sept.	21	June 30.
Lansing	11	Oct.	9	May	4	Sept.	22	May 28.
Omer	8	Sept.	13	May	28	Aug.	18	June 12.
Port Huron	35	Oct.	9	May	7	Sept.	22	June 6.
Saginaw, W. S.	9	Oct.	1	May	9	Sept.	14	May 28.

HYDROGRAPHIC DATA FOR SECTION 63.

Summary of Climatological Data for the United States, Compiled From the Records of the United States Geological Survey.

By R. H. Bolster, *Assistant Engineer*.

PRELIMINARY NOTE: Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.

This section lies in the eastern half of the southern peninsula of Michigan and is almost wholly drained by streams flowing east into Lakes Huron, St. Clair and Erie.

Thunder Bay River is joined by two large branches 8 and 10 miles, respectively, above its mouth. These branches, as well as the main stream, are further subdivided at short distances upstream so that the river is relatively small, except for a few miles above its mouth. The most rapid fall of the stream occurs near the mouth where it crosses an outcrop of Traverse and St. Clair shales.

The drainage area was formerly heavily timbered with Michigan pine, but most of this has now been cut, leaving small conifers, hard woods, white birch, and cedar. The drainage basin contains 30 lakes, with an average area of about 1 square mile. In addition to these is Hubbard Lake, which has a water surface of 134 square miles.

The character of the rock throughout the basin is largely limestone, and numerous sink holes, often deep and precipitous, occur. Surface water entering these beds disappears with greater or less rapidity by outlets to a lower level through limestone fissures. Such a pocket, known as Sunken Lake, is near the northern portion of Thunder Bay River and it absorbed the entire flow of that tributary, causing a great loss to power users until 1900, when a clay puddle dam was constructed across the channel leading from the stream to the sink hole in such a manner as to turn the water down its original channel. Owing to the pervious nature of the rock strata, the effective and permanent boundaries of the watershed may differ materially.

Au Sable River, lying south of Thunder Bay River, rises in southern Otsego County, flows south to Grayling, turns east at the western line of Alcona County, from which point it follows a tortuous course in a generally southeasterly direction to its outlet in Lake Huron at Oscoda.

Its drainage basin embraces a region at one time noted for the abundance of white pine. The area is now almost entirely cleared of its valuable native timber. It contains a large extent of what are termed "jack-pine lands"—sandy plains covered with scrub conifers. There are also areas of diversified soils, pink clay, loam and gravel. The basin is underlain by Coldwater shales. Rock outcrops are very rare, the stream bed being usually clay or sand. The basin contains numerous small lakes, wet sand areas, and undrained hollows, the topographic features being mainly the work of retreating ice of the glacial epoch. At the junction of the north and south branches the stream is at an elevation of about 1,100 feet above sea level, or 520 feet above Lake Huron. This point is about 90 miles from the mouth of the river, measured along the stream channel.

At Bamfield, about 40 miles from the outlet, following the river, the elevation is about 300 feet above Lake Huron. From this point to the mouth of the stream numerous excellent sites for water power development occur. These water powers are favored by a stream bed of firm clay, the river being flanked in many places with high terraced clay bluffs, rising often 60 to 100 feet above the river. In some places the upper half or two-thirds of the bluff is sand, the lower portion being clay. At the clay horizon numerous springs appear.

Rifle River, lying south of Au Sable River, rises in the vicinity of Rose City, northern Ogemaw County, and flows in a general southeasterly direction to Saginaw Bay. There are numerous small glacial lakes in this basin, but no controlled storage. The basin is narrow and elongated, having a width of about 8 miles at the mouth. Ramifying tributaries in the headwaters give the stream a relatively large volume at the entrance of West Branch. Just below the junction of the branches the stream is at an elevation of 176 feet above Lake Huron. The distance from Omer, measured along the winding stream, is 23 miles, and the average fall 7.7 feet per mile. At this place the stream flows over sandstone ledges. Much of the fall from this point to Omer is concentrated in rapids over sandstone shale. The fall in the first three miles is 51 feet, the lower portion being known as Isle Rapids, covering a length of three-fourths of a mile. In the next succeeding two miles the stream falls 27 feet, and for 10 miles below this point the fall is slight.

Saginaw River is formed about 20 miles above its mouth, where it empties into Saginaw Bay, by three rivers, namely: Tittibawassee, Shiawassee and Cass rivers.

Tittibawassee River rises in Ogemaw County and flows southerly to its junction with Chippewa River at Midland, thence southeasterly to its junction with Cass and Shiawassee River near Saginaw.

Tittibawassee River, the northernmost of the three, drains a relatively flat region. From railroad profiles it is estimated that the fall of the stream from Highwood to its mouth, a distance of about 50 miles along the river, is 140 feet.

Huron River rises near the central part of Oakland County, Mich., flows southwestward, thence southeastward and empties into the western end of Lake Erie near the mouth of Detroit River. The Huron receives the drainage from an irregularly shaped basin, having its greatest length parallel to and lying at a distance of 25 to 30 miles from Detroit River. This basin is connected with Lake Erie by a long, narrow valley, averaging 5 miles in width, extending from a point near Ypsilanti southeastward to Lake Erie, a distance of 28 miles. In this portion of its course a large part of the total fall occurs. The conditions are thus nearly ideal for the development of water power in that nearly the entire glacial area of the large tributaries affording ground storage lie above the head of this narrow valley. The northern portion of the main glacial area is rolling and its topography is complex. The stream flows through a series of lakes and north of Dover the entire basin is largely composed of lakes. In the vicinity of Ann Arbor the topography is very rolling. The stream has here a broad, flat valley bordered by abrupt hills ranging in height from 100 to 200 feet. The channel is tortuous and changeable. Numerous large springs issue from the moraine hills. Below Ypsilanti the drainage area is flat, the soil comparatively heavy and impervious, is mostly under cultivation, and the ground water is controlled by numerous trenches.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly Discharge of Grand River, North Lansing, Mich. For period, March 1, 1901, to July 31, 1906, omitting March and April, 1904.—Drainage areas 1,230 square miles.

Month.	Discharge in second feet.				Run-off. Depth in inches or drainage area.
	Maximum.	Minimum.	Mean.	Per square mile.	
January	5,540	231	849	.690	.80
February	2,960	150	952	.774	.81
March	9,040	303	2,230	1.81	2.09
April	9,800	539	1,670	1.36	1.52
May	3,370	353	918	.746	.86
June	12,600	220	1,110	.902	1.01
July	6,560	185	873	.710	.82
August	2,370	178	662	.538	.62
September	2,580	122	685	.557	.62
October	2,190	234	660	.537	.62
November	1,130	178	575	.467	.52
December	1,570	164	605	.492	.57
For the period	12,600	122	982	.799	10.86

Monthly Discharge of Thunder Bay River, Alpena, Mich. For period April 1, 1901-December 31, 1905.—Drainage area, 1,260 square miles.

January	1,040	227	510	.405	.47
February	1,010	245	519	.412	.43
March	6,330	347	1,580	1.25	1.44
April	7,280	78	2,160	1.71	1.91
May	4,220	12	1,360	1.08	1.24
June	1,870	20	934	.741	.83
July	1,840	11	601	.477	.55
August	2,340	20	644	.511	.59
September	3,260	20	741	.588	.66
October	1,670	10	656	.521	.60
November	1,460	30	622	.494	.55
December	837	10	464	.368	.42
For the period	7,280	10	899	713	9.69

Monthly Discharge of Au Sable River, Bamfield, Mich. For periods July 1-December 31, 1903; April 1-December 31, 1904; April 1, 1905-December 31, 1906.—Drainage area, 1,420 square miles.

January	2,150	1,050	1,270	.894	1.03
February	2,340	1,300	1,850	1.30	1.35
March	*2,730	*1,000	1,350	.951	1.10
April	3,580	1,570	2,150	1.51	1.68
May	2,610	1,340	1,790	1.26	1.45
June	1,830	1,100	1,480	1.04	1.16
July	1,490	1,050	1,220	.859	.99
August	2,080	1,000	1,260	.887	1.02
September	1,630	1,050	1,190	.838	.94
October	1,190	1,050	1,160	.817	.94
November	2,190	1,050	1,250	.880	.98
December	4,020	1,050	1,540	1.08	1.24
For the period	4,020	1,000	1,460	1.03	13.88

* March 7-31, 1905.

Monthly Discharge of Huron River, Flatrock, Mich. For period September 1, 1904-December 31, 1906.—Drainage area, —— square miles.

January	*2,030	316	1,600	....	....
February	1,620	447	772	....	....
March	2,350	390	1,770	....	....
April	1,510	531	1,970	....	....
May	1,830	447	686	....	....
June	2,520	262	1,140	....	....
July	928	204	548	....	....
August	814	†89	434	....	....
September	580	141	354	....	....
October	842	213	432	....	....
November	1,440	262	452	....	....
December	1,490	242	533	....	....
For the period	2,520	89	891	....	....

* January 20-31, 1906. † August 6-31, 1904.

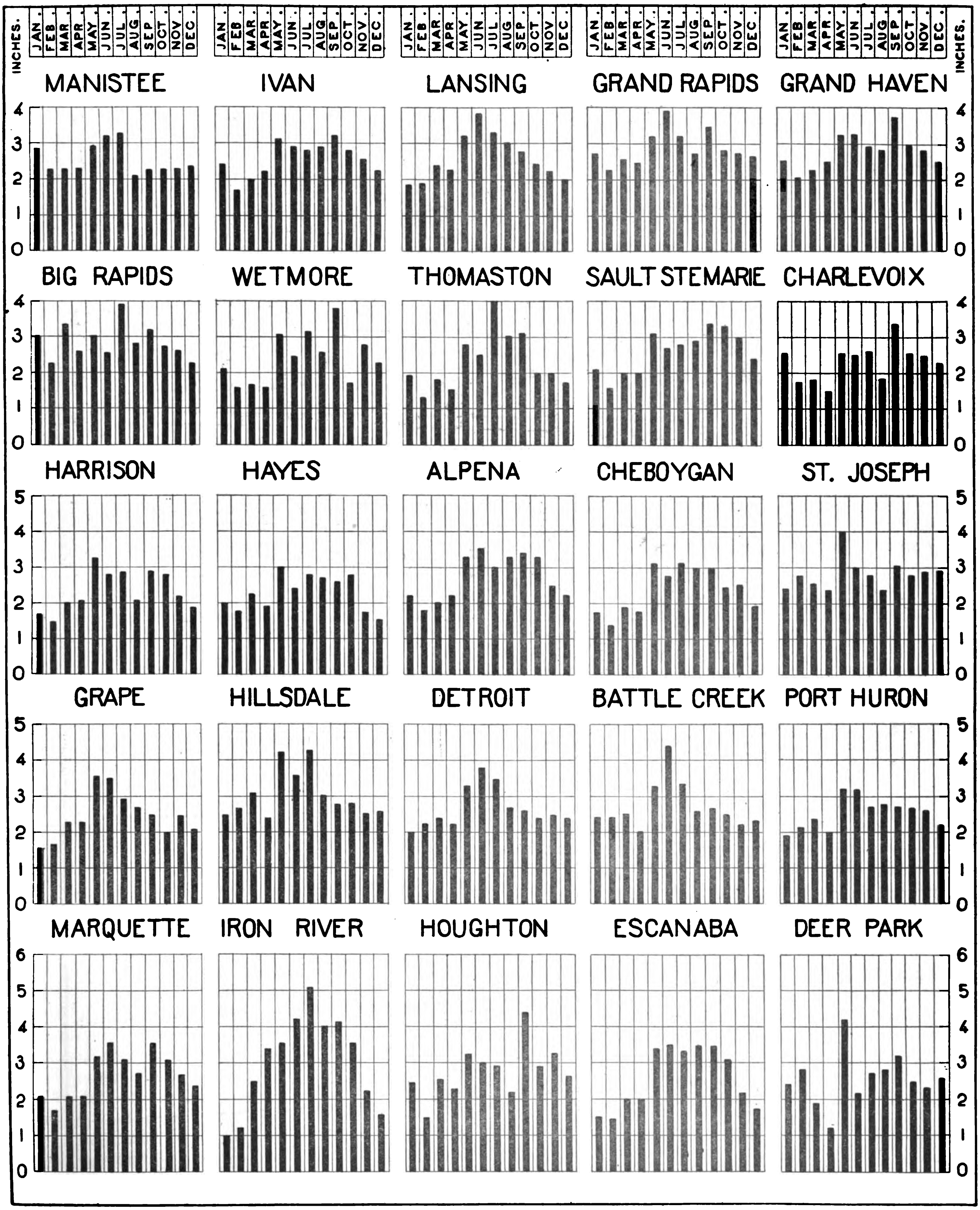

FIG. 1.—Chart showing the comparative monthly distribution of rainfall.

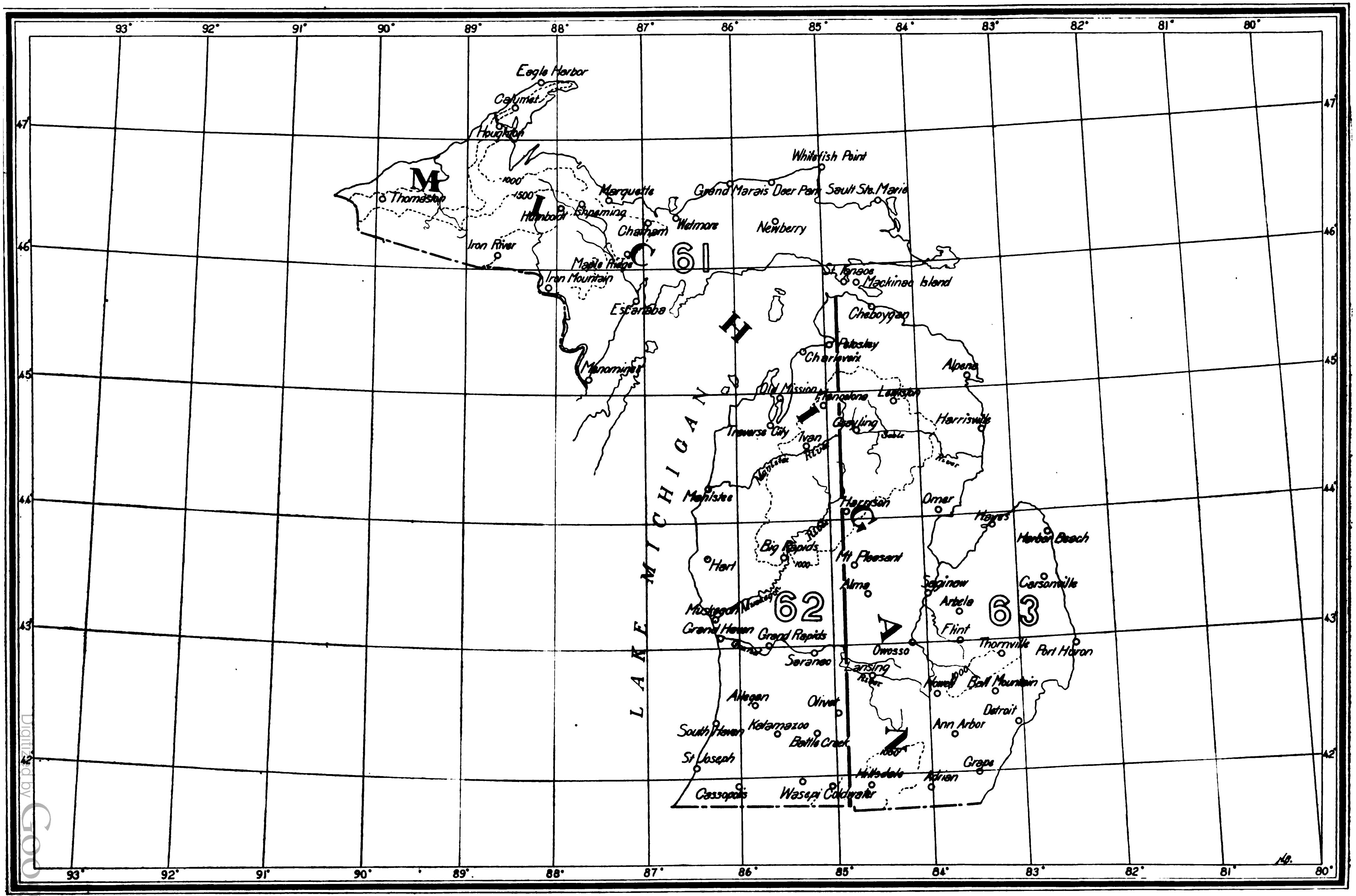

FIG. 2.—Chart showing the boundaries of sections, location of principal reporting stations, drainage basins, and general elevation above sea level.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, in charge.

SECTION No. 64.—NORTHERN ILLINOIS.

The climatological data for Illinois have been divided into three sections, numbered 64, 65 and 66. Each section will be treated in a separate bulletin. In considering the physical features of Section 64, and those that follow, free use has been made of the following publications: The Water Resources of Illinois, by Frank Leverett, and the bulletins published by the Illinois Geological Survey.

The State of Illinois is situated between latitude 36° 59' and 42° 30' N., and longitude 87° 35' and 91° 40' W.; extreme length, north and south, 385 miles; extreme breadth, east and west, 218 miles. It lies partly in the upper Mississippi Valley, upper Lakes region, and the lower Ohio Valley. It is bounded on the west by the Mississippi River, on the east in part by the Wabash River, and on the southeast and south by the Ohio River, and has an area of 56,650 square miles. The whole state lies within the great prairie region, and has the physical appearance of a broad plain, sloping slightly toward the south and southwest. A large portion is so nearly plane that it is difficult to discern the slope without instrumental aid. The highest point in the state is Charles Mound, (1,257 feet), in the extreme northwest; the lowest point (300 feet), is in the extreme southern part. The mean elevation of the State is about 600 feet; being the lowest of the North Central states.

In navigable waters the State of Illinois stands preeminent among the interior states. Through Lake Michigan it is connected with the eastern seaboard; the Mississippi River affords an outlet to the Southern States and the Gulf of Mexico; and the Ohio River gives a navigable waterway eastward to Pittsburg. The Illinois River flowing southwestward in the midst of the State, by the aid of dams and locks in its lower course, has been made navigable in ordinary low water as far as Peru for small river vessels. The fisheries of this river are the most important of any interior stream in the country.

Among the States, Illinois ranks third in population. Fifty-five per cent of the population is rural. The State ranks first in the production of corn and oats. The coal fields are extensive, and in coal production it ranks third.

The present discussion includes the counties situated between the 41st parallel and the northern border of the State. The most important streams are the Rock, Kankakee and the Fox rivers. These rivers on account of their descent and uniform discharge, are fitted for the utilization of water power. The Sanitary Canal passes through this district. This waterway in connection with the project of an extension of the channel to Joliet and LaSalle, and the deepening and the improvement of the Illinois River, so as to give a deep waterway across the State to the Mississippi and thence to the Gulf, is a matter of great commercial value and of National importance.

CLIMATIC CHARACTERISTICS.

The section lies within the principal storm tracks that cross the country, and in consequence the weather changes, especially in winter, are sudden and decided. The climate represents in marked degree the true continental type—hot summers and very cold winters. A summer maximum of 112° has been registered, and the lowest winter temperature, 32° below zero. The mean temperature of the section is 48.7°, the individual means ranging from 46.8° to 50.3°. The crop-growing season, the interval between the last killing frost in spring and the first killing frost in autumn, averages about 162 days. The average date of the last killing frost in spring is April 29, and the average date of the first killing frost in autumn, October 8.

The annual precipitation of the section is 34.03 inches. Sixty-seven per cent of the annual fall occurs during the crop growing season, from April to September, inclusive. The annual average snowfall is 31.50 inches.

WM. G. BURNS,
Section Director.

Precipitation in Northern Illinois. Monthly, annual, and average amounts (in inches and hundredths.)

ALEDO, MERCER COUNTY, ILL. Elevation, 738 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900.	....	....	....	....	....	....	....	....	....	....	....	0.35	.....
1901.	1.44	1.88	2.72	1.28	1.93	2.28	2.16	0.44	2.36	0.87	1.06	0.91	19.33
1902.	0.58	0.82	2.57	3.39	5.36	7.81	8.79	6.89	5.11	3.51	2.10	1.96	48.89
1903.	0.73	1.53	1.86	3.60	6.26	3.84	1.89	6.53	6.35	5.09	0.98	0.66	39.32
1904.	1.84	0.37	2.78	1.95	3.33	2.03	4.49	7.58	3.62	0.62	0.15	1.75	30.51
1905.	0.58	1.52	2.06	3.72	3.24	4.52	2.46	2.14	1.70	2.33	2.05	1.29	27.61
1906.	2.57	2.28	2.42	2.40	4.37	4.91	1.18	3.20	5.63	1.57	3.12	1.67	35.32
1907.	4.10	0.26	2.87	2.27	5.13	2.66	6.74	5.60	2.02	0.62	1.40	0.54	34.21
1908.	0.47	2.58	1.85	2.20	6.88	4.93	3.98	5.73	1.92	1.40	2.63	0.72	35.29
Mns	1.54	1.40	2.39	2.60	4.56	3.81	3.96	3.51	3.59	2.00	1.69	1.22	32.27

ANTIOCH, LAKE COUNTY, ILL. Elevation, 861 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901.	....	....	....	....	....	....	2.85	1.31	1.97	0.61	0.66	0.90	.....
1902.	0.45	1.40	1.95	1.30	7.45	5.90	6.25	0.55	7.35	3.67	1.80	0.70	38.77
1903.	0.35	0.60	2.60	2.55	3.65	2.90	6.60	7.95	6.35	0.80	0.70	1.10	36.15
1904.	0.55	1.10	5.20	2.20	1.90	1.39	4.41	2.20	4.55	1.20	0.75	1.30	26.75
1905.	1.00	2.05	2.65	....	4.45	2.95	5.80	5.20	2.80	....	1.70	1.55	....
1906.	3.20	2.40	0.60	1.95	2.10	2.95	1.65	5.33	5.87	2.25	3.30	1.15	32.75
1907.	3.80	0.30	1.65	0.95	5.29	4.80	2.02	3.96	5.43	1.05	1.87	2.10	33.22
1908.	2.55	2.20	3.35	4.85	5.26	3.60	4.29	1.57	1.00	1.15	2.70	1.00	33.52
Mns	1.70	1.44	2.57	2.30	4.30	3.50	4.23	3.51	4.42	1.53	1.68	1.22	32.40

ASHTON, LEE COUNTY, ILL. Elevation, 830 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895.	....	....	0.65	0.42	3.15	3.72	3.74	3.56	1.22	0.77	2.33	2.99	.....
1896.	0.57	1.62	1.33	3.71	5.74	3.55	4.71	2.04	6.49	0.87	2.32	0.37	33.32
1897.	4.15	1.51	4.21	3.19	1.58	3.07	0.99	0.45	1.03	0.32	2.21	1.30	24.01
1898.	2.69	2.14	4.78	2.48	3.45	3.00	1.60	8.61	3.61	2.85	1.97	1.17	38.35
1899.	0.48	1.66	2.21	1.21	6.04	1.18	2.98	1.29	1.51	1.99	0.63	1.94	23.12
1900.	1.34	2.47	2.42	1.45	5.80	1.43	4.60	9.34	3.51	2.80	2.00	0.40	37.56
1901.	0.91	1.16	3.12	0.46	2.68	2.02	4.14	0.44	2.13	0.73	1.33	0.99	20.11
1902.	0.73	1.36	1.76	1.51	6.72	10.41	7.26	2.51	4.09	4.18	2.38	1.69	44.60
1903.	0.94	1.32	3.14	4.62	2.91	1.69	6.29	4.95	6.98	3.40	0.62	1.80	38.66
1904.	2.18	2.09	4.03	3.10	2.92	1.32	4.35	4.51	3.98	0.93	0.02	2.71	32.14
1905.	0.50	2.34	3.46	3.95	5.39	2.73	2.02	4.25	0.70	2.52	1.69	1.17	30.72
1906.	2.40	2.72	3.32	1.81	6.59	7.45	2.38	2.82	4.72	2.28	2.79	2.00	41.28
1907.	4.13	0.61	2.12	1.95	5.10	4.90	6.98	5.31	....	....	....	....	....
1908.	0.35	3.35	3.43	2.32	8.35	2.55	3.72	3.37	0.78	1.01	2.05	0.53	31.81
Mns	1.64	1.87	2.86	2.30	4.74	3.50	3.98	3.82	3.13	1.90	1.72	1.47	32.93

AURORA, KANE COUNTY, ILL. Elevation, 687 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1857.	....	....	....	....	....	....	....	....	....	4.40	2.57	1.00	.....
1858.	2.19	1.34	2.38	5.19	6.83	5.07	5.69	3.84	5.01	3.91	3.64	2.41	47.50
1859.	1.82	1.22	6.00	2.90	2.69	2.88	2.02	2.52	3.06	1.53	3.08	0.75	30.47
1860.	....	1.62	0.66	2.28	4.57	3.13	6.10	1.67	3.01	....	....	2.95	.....
1861.	1.05	2.40	....	....	....	....	....	....	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1865.	....	....	....	....	....	....	....	....	....	....	0.57	0.60	.....
1866.	1.97	0.77	2.01	0.95	1.67	2.32	3.21	6.02	4.80	2.50	0.94	3.08	30.24
1867.	2.45	3.30	1.49	2.39	5.24	3.41	2.98	2.79	2.54	1.21	2.17	1.29	31.26
1868.	0.90	1.05	6.86	4.91	2.55	3.00	2.28	4.50	5.47	2.07	2.55	....	.....
1869.	....	....	....	....	....	....	....	....	....	....	....	3.63	.....
1870.	5.48	2.45	1.92	1.58	1.35	1.63	5.50	3.31	3.63	4.63	1.51	1.37	34.36
1871.	....	1.80	3.04	2.33	4.48	4.75	1.75	1.97	0.73	3.41	2.58	2.21	.....
1872.	0.35	0.65	2.76	....	....	....	....	....	6.20	0.90	1.18	0.70	.....
1873.	5.34	0.57	1.50	3.93	3.23	2.20	5.43	3.61	....	2.50	1.30	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1879.	....	....	....	....	....	....	0.38	1.56	0.76	2.40	4.17	1.70	.....
1880.	4.08	3.55	2.25	4.36	6.10	3.91	5.63	7.46	3.22	2.14	1.03	0.76	44.49
1881.	1.17	8.06	3.88	1.68	2.61	5.80	3.19	0.73	3.24	7.15	4.97	3.27	45.75
1882.	1.14	2.95	2.83	5.98	5.04	a7.33	a3.89	4.70	1.39	3.21	2.10	2.47	43.03
1883.	2.63	7.27	0.61	3.75	7.23	3.56	4.44	0.95	1.57	6.34	5.55	2.61	46.51
1884.	1.24	3.74	2.30	2.66	2.26	2.18	6.38	2.48	2.42	4.61	1.90	4.59	36.76
1885.	2.31	2.09	0.38	3.31	3.16	5.07	2.59	7.72	4.04	3.74	2.04	3.05	39.50
1886.	3.63	1.76	3.00	4.24	5.39	1.27	0.36	2.97	5.60	1.80	1.26	1.18	32.46
1887.	4.36	5.86	1.06	0.82	3.02	0.58	2.34	3.79	4.33	3.54	2.21	4.25	36.16
1888.	1.40	1.56	3.19	2.08	5.16	0.98	3.20	5.66	1.89	3.10	3.27	2.61	34.10
1889.	2.06	1.32	1.47	2.63	3.82	4.38	5.08	a1.21	3.82	1.11	2.87	2.53	32.30
1890.	3.24	1.18	2.64	2.17	4.25	6.97	0.78	2.38	1.90	4.53	1.79	0.78	32.61
1891.	2.35	2.28	2.57	3.94	2.14	3.24	2.35	5.01	0.66	0.68	4.21	1.66	31.09
1892.	1.53	1.18	2.28	3.59	8.29	12.83	4.48	2.74	2.36	1.28	1.63	2.26	44.45
1893.	1.36	2.25	2.69	4.65	2.10	3.05	1.19	0.32	2.70	3.20	2.99	2.60	29.10
1894.	2.96	1.95	3.17	2.49	2.76	1.87	0.62	1.79	7.07	1.68	1.93	0.96	29.25
1895.	1.53	0.50	1.14	1.48	3.34	1.66	3.83	4.80	1.17	1.11	5.41	5.89	31.86
1896.	0.91	1.91	1.75	3.75	6.12	2.06	5.60	2.43	6.92	0.22	3.83	0.16	35.66
1897.	6.02	1.73	3.58	3.04	1.06	5.25	4.45	2.23	0.85	0.21	3.89	1.32	33.63
1898.	4.26	3.21	5.09	1.30	4.43	5.39	1.07	4.22	4.25	4.66	2.60	1.66	42.14
1899.	0.55	1.75	2.92	0.49	7.34	1.59	4.82	1.84	2.23	2.13	1.05	1.61	28.32
1900.	1.68	3.72	2.23	0.78	4.17	2.94	3.55	3.28	1.99	2.83	3.23	0.41	30.81
1901.	1.39	1.73	4.11	0.39	0.71	1.81	4.79	1.06	2.34	1.27	1.21	1.40	22.21
1902.	0.47	2.05	3.14	2.16	6.18	13.19	7.43	2.32	7.29	2.02	2.93	1.71	50.89
1903.	0.83	1.94	3.94	4.23	3.11	4.09	5.59	5.39	7.45	2.69	0.54	1.74	41.54
1904.	2.12	1.47	5.02	4.21	2.51	1.96	3.81	5.62	5.05	1.53	0.06	1.69	35.05
1905.	0.93	1.33	2.33	3.85	5.94	6.16	2.72	4.00	2.36	2.32	2.21	1.35	35.50
1906.	3.10	2.52	2.12	1.57	3.10	1.67	2.12	3.80	8.31	2.25	2.64	2.48	35.68
1907.	3.69	0.26	3.17	2.00	4.90	3.70	5.51	6.72	6.08	1.43	1.62	1.07	40.15
1908.	0.81	3.86	3.58	3.10	7.19	1.43	4.50	5.35	0.95	0.67	2.02	0.97	34.43
Mns	2.24	2.30	2.75	2.82	4.11	3.80	3.63	3.46	3.56	2.57	2.42	1.97	35.63

a Interpolated from surrounding stations.

CAMBRIDGE, HENRY COUNTY, ILL. Elevation, 824 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1873.	....	....	0.70	1.65	4.00	1.80	1.95	2.60	1.40	0.80	0.80	5.00	.....
1874.	4.70	1.00	1.50	1.80	0.60	3.20	2.60	3.30	7.00	1.20	2.60	0.10	29.60
1875.	1.20	5.00	1.00	2.80	1.90	4.20	7.60	1.15	5.30	2.10	0.60	2.60	34.45
1876.	3.60	2.30	3.70	3.70	4.40	3.61	3.50	1.50	4.60	1.30	3.00	1.00	35.61
1877.	2.20	....	4.70	3.90	3.20	7.20	3.50	3.00	1.60	7.00	3.50	2.60	.....
1878.	0.30	2.00	3.50	4.20	5.10	3.10	2.80	5.90	1.50	3.10	0.90	3.30	35.70
1879.	1.00	2.00	4.00	1.90	2.10	3.70	4.60	3.20	1.80	1.80	2.60	2.20	30.90
1880.	3.30	0.80	3.10	3.10	7.00	†6.00	†1.50	6.20	4.70	0.80	1.50	0.50	38.50
1881.	3.00	5.00	3.90	2.50	0.50	7.81	1.50	0.10	5.60	7.90	0.50	1.30	39.60
1882.	1.50	2.40	5.00	3.50	....	....	....	....	....	....	....	....	.....
1883.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1884.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1885.	....	....	....	....	....	....	....	....	....	1.20	1.20	2.15	.....
1886.	2.81	1.98	3.17	2.17	3.98	0.54	0.40	0.83	2.99	2.36	0.76	0.84	22.83
1887.	2.71	4.77	0.70	0.86	1.80	1.39	1.95	5.74	2.95	2.97	1.24	3.17	30.25
1888.	0.95	....	....	....	....	....	....	....	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1895.	1.55	0.30	1.60	1.23	2.42	1.40	7.40	2.78	2.99	0.75	2.74	3.65	28.81
1896.	0.92	1.10	1.24	4.55	4.33	2.89	6.20	3.54	5.45	1.46	1.21	0.63	33.52
1897.	4.90	1.52	4.03	3.70	1.48	1.44	2.41	1.16	2.27	0.33	1.89	1.61	26.74
1898.	3.34	1.77	6.15	2.89	9.30	9.88	1.17	6.57	2.72	4.06	1.91	0.60	50.36
1899.	0.29	1.63	2.81	2.21	6.15	2.86	2.91	1.78	2.22	3.89	1.22	2.44	30.41
1900.	1.65	3.04	3.40	1.74	4.41	0.93	2.70	8.19	3.24	2.72	2.16	0.05	34.23
1901.	1.37	1.90	3.11	1.37	2.06	2.61	3.90	1.38	2.17	0.88	1.50	1.16	23.41
1902.	0.62	1.36	2.90	2.48	4.38	7.89	11.55	4.64	5.99	4.19	2.11	2.05	50.16
1903.	0.96	1.85	2.34	4.97	7.03	2.85	2.95	3.96	6.27	2.32	1.09	1.36	37.95
1904.	2.08	1.00	3.65	1.84	3.40	1.58	10.39	5.60	5.83	0.27	0.21	2.14	37.99
1905.	0.95	2.40	1.60	3.83	3.35	5.21	2.11	4.03	1.87	1.98	2.27	1.25	30.85
1906.	3.11	2.13	3.65	2.07	2.16	5.69	1.87	1.91	4.26	1.47	3.53	1.88	33.73
1907.	3.69	0.60	2.15	2.04	4.15	2.55	6.47	6.60	4.05	0.58	1.23	0.80	34.91
1908.	0.70	3.11	2.55	....	....	....	4.34	3.69	1.13	1.12	3.29	0.61	.....
Mns	2.05	2.12	2.93	2.68	3.72	3.74	3.93	3.57	3.46	2.25	1.75	1.73	33.93

† Estimated.

All values prior to 1895 are for Geneseo, 10 miles distant.

DIXON, LEE COUNTY, ILL. Elevation, 725 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
a1886.	4.29	2.79	3.68	3.60	6.32	....	0.32	1.33	2.94	....	1.41	1.32	.....
a1887.	4.21	4.89	1.66	1.10	2.51	2.03	2.35	3.92	3.62	3.76	1.46	9.02	40.53
a1888.	2.55	1.40	1.89	1.77	7.08	....	....	....	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1892.	2.22	1.69	2.24	3.27	8.93	7.61	3.84	1.94	2.56	1.07	1.67	2.52	39.56
1893.	2.07	1.94	2.83	4.02	2.99	4.42	3.74	0.39	3.22	1.05	2.13	1.69	30.49
1894.	2.15	1.97	3.12	2.04	4.28	1.91	0.15	†0.92	3.20	0.99	1.42	0.53	22.68
1895.	1.22	0.43	0.83	1.17	4.46	1.62	4.59	2.83	1.81	0.82	2.50	2.00	24.28
1896.	0.65	0.74	0.81	3.62	5.87	3.18	4.81	3.75	4.66	0.89	1.70	0.44	31.12
1897.	3.00	1.25	4.25	3.43	0.96	5.27	1.97	0.56	2.00	0.48	1.90	1.17	26.24
1898.	3.27	2.26	4.74	3.29	4.00	2.49	1.55	6.39	3.01	2.56	1.19	0.78	35.53
1899.	0.30	1.25	1.67	1.56	6.76	1.91	2.82	1.83	1.48	3.48	0.56	1.81	25.43
1900.	2.06	1.86	2.86	1.32	5.25	1.32	4.36	6.18	4.39	3.41	2.10	0.34	35.45
1901.	1.09	0.54	2.98	0.34	2.28	2.48	8.98	0.53	2.36	0.90	1.00	1.13	24.61
1902.	0.43	1.05	1.81	1.69	8.00	9.75	8.47	2.62	4.63	3.90	2.37	2.13	46.85
1903.	2.76	0.90	3.07	4.20	4.35	1.46	4.91	5.64	6.13	3.21	0.73	1.16	38.52
1904.	2.23	0.79	3.07	2.29	3.26	2.27	7.58	3.45	5.46	0.86	0.03	2.17	33.46
1905.	0.32	1.24	3.35	3.66	6.15	3.35	1.97	4.15	1.23	3.15	1.83	1.12	31.52
1906.	2.07	2.46	2.70	2.70	7.24	6.33	5.12	2.09	4.70	1.84	2.19	1.52	40.96
1907.	3.43	0.22	2.08	2.11	4.89	3.19	8.76	5.33	4.95	1.71	1.23	0.59	38.49
1908.	0.72	2.82	3.38	3.29	5.16	2.24	4.18	5.68	0.84	0.90	2.45	0.84	32.50
Mns	2.05	1.62	2.65	2.52	5.04	3.49	4.24	3.13	3.33	1.94	1.57	1.70	33.28

† Estimated.

a Values prior to 1892 from Prairieville, 7 miles distant.

JOLIET, WILL COUNTY, ILL. Elevation, 541 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887.	....	....	....	....	0.97	2.07	2.47	2.72	2.96	2.95	1.85	3.17	.....
1888.	0.90	1.00	2.35	2.10	8.50	1.70	0.70	6.00	0.90	3.30	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1893.	....	....	....	....	....	....	....	....	....	....	1.87	1.57	.....
1894.	1.16	1.31	2.87	2.23	3.69	2.84	0.46	0.85	5.99	1.18	1.68	1.00	25.26
1895.	1.82	0.67	1.04	1.92	1.95	1.26	4.32	2.96	0.93	0.67	2.90	6.62	27.06
1896.	1.14	2.07	1.15	2.82	5.28	3.89	4.97	2.75	6.69	0.86	2.96	0.36	34.94
1897.	6.67	1.84	3.80	2.87	1.25	5.19	1.59	0.55	0.63	0.44	4.42	1.68	30.93
1898.	4.05	2.28	6.12	1.42	3.82	7.89	1.59	4.69	3.20	4.53	2.61	2.15	44.35
1899.	0.82	1.68	2.23	0.35	4.69	2.17	5.26	1.74	2.44	2.39	1.15	1.70	26.62
1900.	1.58	4.29	2.24	0.79	4.27	1.80	5.08	5.74	2.05	1.61	3.10	0.53	33.08
1901.	1.88	1.62	3.62	0.56	0.81	3.14	5.42	2.84	2.55	0.85	1.63	2.36	27.28
1902.	0.55	1.43	5.51	2.36	7.48	12.86	9.38	3.15	6.28	2.44	2.99	1.68	56.11
1903.	1.05	2.92	2.22	3.62	2.49	1.68	4.46	4.77	4.98	1.40	0.86	2.18	32.63
1904.	2.42	1.75	4.97	3.81	3.19	0.94	2.97	3.19	4.95	1.44	0.10	1.63	31.36
1905.	1.18	1.43	2.29	4.13	5.42	5.10	4.18	4.29	3.63	3.57	2.66	1.46	39.34
1906	2.23	2.30	1.61	1.67	2.00	1.85	2.51	4.00	5.68	2.76	2.63	3.13	32.37
1907.	5.70	0.32	3.00	2.28	3.32	1.70	5.38	4.66	6.13	0.66	1.86	3.07	38.08
1908.	0.77	2.66	4.33	3.32	6.95	1.30	3.79	3.80	1.32	0.82	2.77	1.30	33.13
Mns	2.12	1.85	3.08	2.27	3.89	3.38	3.79	3.45	3.61	1.87	2.24	2.09	33.64

From November 1893 to April 1895, inclusive, the values are for Braidwood, 19 miles distant.

CHICAGO, COOK COUNTY, ILL. Elevation, 824 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871.	4.13	1.45	2.66	3.70	3.92	5.56	2.52	2.01	0.74	1.88	3.62	3.44	35.61
1872.	0.68	0.84	3.79	3.03	3.24	3.45	3.09	2.59	6.43	0.65	1.06	0.22	29.07
1873.	2.56	0.47	0.89	6.22	7.20	1.44	4.04	1.58	3.53	2.43	1.61	4.44	36.41
1874.	3.47	1.51	2.15	2.67	2.08	3.25	0.58	3.15	3.76	2.55	2.83	0.63	28.63
1875.	0.96	1.99	1.43	2.32	3.64	5.17	7.18	3.29	4.39	4.32	0.75	2.62	38.06
1876.	3.22	3.90	4.04	2.07	1.85	5.96	3.11	3.66	3.74	1.20	3.25	0.48	36.48
1877.	1.91	0.06	5.37	2.42	1.81	6.04	2.98	3.06	2.02	6.51	6.08	2.75	41.01
1878.	1.31	2.12	4.39	5.57	5.22	3.02	6.09	3.66	1.99	5.17	0.83	2.58	41.95
1879.	0.54	1.47	2.37	1.93	3.89	3.18	5.58	0.45	1.18	2.72	4.93	2.47	30.71
1880.	3.53	2.91	2.25	5.20	4.97	3.50	3.07	4.47	2.25	3.19	0.87	1.11	37.32
1881.	0.87	5.98	2.99	1.81	1.85	5.93	4.31	0.54	4.34	6.89	5.97	2.67	44.18
1882.	1.55	2.24	3.43	6.72	5.52	5.71	3.43	4.96	0.91	3.40	1.48	1.99	41.34
1883.	1.74	4.74	0.42	3.72	7.32	5.61	5.53	1.21	1.36	7.36	5.26	1.59	45.86
1884.	1.39	3.27	5.16	3.05	1.53	2.11	3.71	2.50	2.29	3.59	1.80	4.21	34.61
1885.	3.18	2.01	0.57	4.00	3.17	5.20	2.44	11.28	2.97	3.87	2.33	3.35	44.37
1886.	3.56	1.51	1.79	1.29	1.00	0.94	1.53	3.38	6.93	1.42	1.66	1.76	26.77
1887.	3.13	5.10	0.89	0.46	1.38	1.63	1.05	3.35	4.03	2.03	2.41	3.67	29.13
1888.	1.56	1.51	2.99	2.13	6.22	1.66	3.93	2.10	0.98	2.95	2.89	1.94	30.86
1889.	1.64	1.31	1.43	2.35	5.38	2.93	9.56	0.39	2.75	1.82	3.49	1.90	34.95
1890.	2.98	2.42	2.10	3.23	5.13	3.25	2.57	2.58	1.39	4.20	1.59	1.25	32.69
1891.	1.99	1.95	2.13	3.14	2.09	2.42	2.47	4.52	0.32	0.36	3.83	1.32	26.54
1892.	1.99	1.57	2.21	2.17	6.77	10.58	2.23	1.85	1.34	1.54	2.68	1.63	36.56
1893.	2.08	2.44	1.69	4.16	4.93	3.59	3.08	0.18	1.98	1.75	2.45	2.14	27.47
1894.	1.55	2.13	2.66	2.65	3.35	1.96	0.60	0.60	8.28	0.84	1.18	1.66	27.46
1895.	2.15	1.60	1.32	0.86	1.99	1.79	2.42	6.49	0.89	0.51	5.60	6.76	32.38
1896.	1.12	3.48	1.26	2.79	4.16	2.82	3.61	3.52	6.70	1.36	2.16	0.16	33.14
1897.	4.53	2.22	3.56	2.23	0.84	3.60	1.47	1.70	0.84	0.18	3.06	1.62	25.85
1898.	3.54	2.59	4.60	0.76	2.23	5.30	1.94	3.03	3.16	3.26	2.25	1.11	33.77
1899.	0.58	1.60	2.11	0.14	4.35	2.71	6.66	0.91	2.39	2.09	1.14	1.81	26.49
1900.	1.21	3.52	1.58	1.02	3.59	2.06	4.64	4.24	1.56	1.35	3.30	0.58	28.65
1901.	1.15	2.05	3.38	0.33	2.18	2.42	4.25	2.00	2.92	1.29	0.85	1.70	24.52
1902.	0.66	1.53	4.16	2.26	5.08	6.45	5.78	1.44	4.83	1.45	2.03	1.90	37.57
1903.	1.09	3.03	1.67	3.77	0.93	1.62	4.78	3.49	4.00	1.09	0.34	2.28	28.09
1904.	2.25	1.71	4.57	3.01	1.54	0.55	2.76	4.00	2.65	1.58	0.31	1.21	26.14
1905.	1.33	1.95	2.43	3.03	5.14	3.27	5.02	4.46	4.18	1.82	2.05	0.68	35.36
1906.	1.67	2.37	1.61	1.86	2.09	1.87	4.84	1.43	5.54	2.05	3.08	2.46	30.87
1907.	4.21	1.00	2.94	2.37	3.50	3.64	3.15	4.22	4.49	0.93	1.92	2.73	35.10
1908.	2.05	3.72	3.48	2.81	6.74	1.48	1.45	6.35	2.09	0.81	2.67	1.18	34.83
Mns	2.08	2.30	2.59	2.72	3.63	3.52	3.62	3.02	3.06	2.43	2.52	2.05	33.54

TISKILWA, BUREAU COUNTY, ILL. Elevation, 798 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1864.	....	....	....	....	....	....	....	1.75	3.16	3.16	2.98	3.89	.....
1865.	0.26	3.40	3.12	6.14	1.57	4.47	6.96	8.79	11.57	2.90	0.28	0.54	50.00
1866.	1.92	2.02	2.38	1.90	1.90	2.80	4.19	5.44	6.79	1.66	0.26	3.06	34.32
1867.	1.76	1.27	2.06	2.00	6.62	3.30	1.95	2.48	1.36	0.97	2.40	1.50	27.67
1868.	0.48	0.97	5.15	....	....	2.41	2.03	2.08	4.61	1.24	3.57	1.21	.....
1869.	1.95	2.47	1.14	3.40	7.78	9.96	6.86	9.37	0.67	0.81	3.88	3.02	51.31
1870.	4.15	0.70	5.50	0.60	1.42	0.70	1.91	....	6.64	3.62	1.84	1.52	.....
1871.	3.32	2.00	2.72	2.83	2.35	5.90	1.85	....	....	....	3.45	3.47	.....
1872.	0.18	0.75	2.96	5.91	6.56	6.31	4.05	9.21	6.33	0.92	1.59	1.28	46.05
1873.	4.55	1.06	1.39	6.75	7.25	2.65	5.65	1.32	1.83	2.23	1.40	3.87	39.95
1874.	3.05	1.29	1.81	3.27	3.48	4.56	1.78	3.56	5.14	3.40	2.94	0.74	35.02
1875.	1.10	2.34	2.38	3.40	4.65	6.18	9.60	2.30	8.53	4.15	0.83	2.60	48.06
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1895.	....	....	....	....	2.70	0.70	7.89	2.38	4.44	0.78	3.31	3.89	.....
1896.	1.16	1.59	1.01	4.28	4.71	2.81	5.57	2.50	6.70	0.76	1.78	0.17	33.04
1897.	5.81	1.27	4.55	2.77	1.42	3.34	2.38	1.48	2.62	0.36	3.36	1.24	30.60
1898.	3.76	2.43	6.17	3.50	7.30	2.85	1.17	6.97	4.58	2.63	2.93	1.09	45.38
1899.	0.38	1.81	2.83	1.03	5.25	3.89	3.48	1.65	2.55	3.73	1.15	1.63	29.38
1900.	1.88	3.85	3.52	1.72	4.23	1.52	2.40	7.76	4.67	2.89	2.03	0.22	36.69
1901.	1.36	1.83	3.53	0.80	2.63	2.15	5.12	2.02	2.10	0.70	1.54	1.41	25.19
1902.	0.55	1.46	3.29	2.33	5.05	8.19	10.70	5.00	6.25	2.99	3.75	2.12	51.68
1903.	0.99	2.95	2.71	5.07	3.72	2.82	2.24	4.26	7.19	2.43	1.27	1.20	36.85
1904.	2.53	1.17	3.78	3.32	3.29	1.99	6.78	5.37	3.40	0.28	0.10	1.90	33.91
1905.	0.84	1.35	2.73	4.59	5.10	5.72	1.82	2.54	2.51	2.14	2.03	1.60	32.97
1906.	2.39	2.28	3.71	2.42	2.96	3.70	2.14	4.38	6.25	1.60	2.97	2.10	36.90
1907.	4.47	0.33	2.21	2.83	5.65	3.34	10.17	5.39	3.69	0.66	1.59	1.36	41.69
1908.	1.22	3.65	3.62	3.01	9.98	3.80	1.89	1.71	1.14	0.90	2.62	0.83	34.37
Mns	2.09	1.84	3.09	3.27	4.48	3.84	4.42	4.15	4.59	1.92	2.15	1.83	37.67

Values from 1864 to 1875, inclusive, for Wyanet, 6 miles from Tiskilwa.

MORRISON, WHITESIDE COUNTY, Elevation, 685 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895.	....	....	....	....	2.36	3.50	8.28	2.75	5.88	....	....	....	.....
1896.	....	....	1.83	4.91	4.34	3.30	6.55	2.99	5.10	1.00	0.97	0.39	.....
1897.	2.91	1.73	3.33	2.88	1.95	5.27	3.05	0.89	2.16	0.43	1.40	1.32	27.32
1898.	3.01	1.82	4.42	5.11	4.19	2.98	1.68	5.61	2.68	3.38	1.20	0.54	36.62
1899.	0.30	1.87	1.94	2.73	7.51	2.68	2.78	3.18	0.96	3.39	1.29	1.95	30.58
1900.	1.31	2.56	3.12	3.95	6.33	1.61	5.35	5.03	4.07	2.75	1.31	0.23	37.62
1901.	0.82	0.63	2.92	0.49	2.62	3.82	6.42	0.29	2.19	0.83	1.03	1.36	23.42
1902.	0.82	1.62	2.46	1.47	6.48	9.60	8.66	5.32	3.99	2.78	2.91	2.45	48.56
1903.	1.04	1.47	2.41	4.45	5.49	2.02	7.40	5.78	6.09	3.57	1.05	1.58	42.35
1904.	2.53	1.13	3.86	3.18	3.13	1.13	4.04	5.71	3.19	0.60	0.02	2.81	31.33
1905.	0.94	2.89	3.13	3.80	6.71	4.03	2.52	3.64	2.81	3.23	1.91	1.48	37.09
1906.	2.34	2.24	3.36	3.03	5.27	4.48	4.10	2.91	3.85	1.38	3.17	1.55	37.68
1907.	3.98	0.46	1.66	1.74	6.03	5.01	9.19	6.43	5.75	1.44	1.42	1.01	44.12
1908.	0.77	3.10	3.47	2.56	6.84	4.33	3.67	3.71	1.01	0.59	2.83	0.50	33.38
Mns	1.73	1.79	2.91	3.10	4.95	3.84	5.26	3.87	3.55	1.95	1.58	1.32	35.85

Values for 1895 are for Tampico, 15 miles distant.

Values from March 1896 to June 1901, inclusive, are for Round Grove, 5 miles distant.

DAVENPORT, SCOTT COUNTY, IOWA. Elevation, 606 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871.	....	....	....	....	....	3.68	2.30	4.85	0.30	3.19	3.33	1.61	.....
1872.	0.13	0.10	1.82	5.06	4.46	3.78	3.80	8.91	5.30	0.61	1.86	0.61	36.44
1873.	3.56	0.77	1.43	3.96	6.37	2.16	2.37	0.51	1.00	1.48	0.63	3.84	28.08
1874.	4.34	0.74	1.34	2.64	3.45	5.37	3.10	3.68	7.86	1.30	2.47	0.50	36.79
1875.	0.38	1.09	0.88	2.30	2.01	4.91	9.36	1.73	4.05	1.63	0.57	3.08	31.99
1876.	3.47	3.63	4.35	5.39	6.70	4.25	4.82	4.27	5.50	1.54	2.54	0.36	46.82
1877.	1.41	0.07	3.91	3.28	2.82	5.80	3.42	3.21	1.45	4.88	2.53	2.32	35.10
1878.	0.36	1.09	2.21	2.89	5.14	4.36	2.19	5.07	1.82	4.21	0.90	0.97	31.21
1879.	0.79	1.09	1.80	1.54	5.83	4.57	5.87	4.33	1.43	0.92	4.70	1.02	33.89
1880.	3.13	1.72	2.68	4.50	5.09	7.21	4.31	5.90	4.87	0.94	1.23	1.15	42.73
1881.	1.34	4.14	3.33	1.11	1.34	7.94	0.91	0.83	5.59	6.85	2.19	1.71	37.28
1882.	0.90	0.62	2.90	3.15	5.49	8.43	4.41	2.29	1.39	3.75	1.49	1.78	36.60
1883.	1.16	4.42	0.73	3.33	5.46	4.38	3.66	1.02	0.73	5.13	3.58	0.99	34.59
1884.	0.75	0.98	3.27	0.77	3.79	3.07	4.51	3.84	4.79	7.17	1.49	3.68	38.11
1885.	2.10	1.20	0.17	2.47	1.94	2.08	1.66	12.68	4.19	2.71	1.20	1.95	34.35
1886.	2.22	1.52	3.08	1.84	3.73	0.49	0.43	2.67	2.43	3.47	0.74	0.53	23.15
1887.	1.43	4.87	0.77	1.17	1.76	1.66	3.09	3.23	5.45	3.41	1.13	3.26	31.23
1888.	1.54	1.17	2.70	1.57	9.23	3.86	7.31	2.79	1.38	2.81	3.54	2.59	40.49
1889.	0.95	1.44	1.74	3.89	6.34	5.59	8.25	1.11	3.27	1.26	2.17	1.60	37.61
1890.	2.49	1.10	2.34	0.86	4.33	4.51	0.85	1.66	2.34	3.63	1.37	0.62	26.10
1891.	2.38	0.89	1.68	3.30	2.74	3.56	3.29	5.54	1.50	1.37	3.56	1.64	31.45
1992.	1.60	1.38	3.06	5.41	8.84	10.79	4.16	1.53	2.09	0.55	2.01	2.73	44.15
1893.	1.14	1.69	2.25	4.50	2.67	3.82	1.75	1.12	3.36	0.80	2.56	1.67	27.33
1894.	1.33	1.48	1.88	1.37	1.93	2.16	0.44	2.02	3.02	1.02	1.26	0.61	18.52
1895.	1.27	0.38	1.57	0.32	2.28	1.22	5.16	4.79	4.30	0.81	2.50	2.54	27.14
1896.	0.89	1.45	0.84	3.41	4.03	2.28	5.68	3.12	3.98	1.67	0.68	0.65	28.68
1897.	3.58	1.57	2.82	3.69	1.91	1.37	3.21	0.68	1.52	0.35	1.68	1.53	23.91
1898.	3.68	1.86	4.85	3.01	6.73	3.53	1.85	4.96	3.14	3.38	1.37	0.59	38.95
1899.	0.31	1.91	1.94	2.94	7.35	4.02	2.84	4.47	0.82	1.46	0.90	2.68	31.64
1900.	1.27	2.45	2.92	2.10	4.68	1.01	3.49	4.90	3.66	2.00	1.48	0.21	30.17
1901.	1.10	1.59	2.57	0.88	1.37	3.02	1.48	0.46	2.29	0.45	0.79	1.33	17.33
1902.	0.60	0.96	1.76	1.40	4.57	7.55	6.38	7.25	3.20	2.81	1.95	1.88	40.31
1903.	0.79	1.67	2.06	3.42	5.52	2.28	4.47	4.68	7.09	2.27	0.70	0.78	35.73
1904.	2.20	0.72	2.70	2.05	2.64	1.44	3.34	3.60	3.98	1.15	0.18	2.21	26.21
1905.	0.63	1.99	2.21	3.45	3.12	7.68	0.99	1.93	3.48	2.73	2.01	1.32	31.54
1906.	2.14	2.21	2.20	1.92	2.60	2.69	2.26	3.50	2.47	1.67	2.66	1.61	27.93
1907.	3.55	0.22	1.79	1.90	4.33	2.07	7.13	6.48	3.55	0.70	1.08	0.49	33.29
1908.	0.69	2.37	2.24	2.22	5.13	4.57	3.30	6.23	1.12	0.87	2.46	0.40	31.60
Mns	1.66	1.58	2.24	2.68	4.26	4.03	3.63	3.73	3.15	2.29	1.83	1.55	32.63

SYCAMORE, DEKALB COUNTY, ILL. Elevation, 855 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1881.	....	....	....	....	3.50	11.40	7.05	0.80	5.10	8.20	3.60	3.75	.....
1882.	1.31	1.90	4.85	6.10	3.80	7.90	4.35	2.34	1.94	4.55	2.25	2.25	43.54
1883.	2.15	4.95	0.65	3.41	8.55	5.85	5.50	1.95	2.93	6.48	6.63	1.86	50.91
1884.	0.71	2.15	2.02	4.06	3.18	4.63	8.84	3.43	3.46	5.76	2.48	4.14	44.86
1885.	2.66	1.55	0.55	4.31	1.65	7.04	4.98	9.90	6.10	4.65	2.06	3.05	48.50
1886.	4.10	1.85	3.85	5.14	4.24	2.27	0.67	4.29	3.23	2.26	0.96	1.54	34.40
1887.	3.93	4.50	0.89	1.08	0.95	1.12	3.12	3.61	3.27	2.80	1.49	3.02	29.78
1888.	1.01	1.16	2.59	2.05	5.50	1.27	3.10	4.03	1.09	2.37	1.80	2.16	28.13
1889.	1.13	1.16	1.39	3.47	5.17	1.50	4.48	0.86	1.93	0.85	1.80	1.52	25.26
1890.	1.64	1.15	1.57	2.58	3.87	7.98	0.42	2.07	1.22	3.48	1.87	1.50	29.35
1891.	1.91	1.60	1.95	4.50	2.79	3.55	2.00	2.22	0.37	0.89	4.21	2.37	28.36
1892.	1.73	1.21	2.01	4.81	11.77	11.23	2.56	3.56	1.62	0.95	2.13	2.06	45.64
1893.	1.83	2.12	2.22	4.59	3.25	5.04	3.65	0.46	3.83	1.13	2.74	2.19	33.05
1894.	2.50	1.35	3.26	2.87	3.90	1.79	0.78	0.95	7.88	1.77	1.96	0.74	29.75
1895.	1.35	0.30	1.03	1.24	2.52	2.20	3.10	3.06	0.75	0.55	3.71	3.38	23.19
1896.	0.50	2.03	1.44	2.74	3.80	1.59	3.60	0.58	8.39	0.26	1.88	0.55	27.36
1897.	4.64	1.31	4.31	3.78	1.10	6.04	3.03	1.06	0.44	0.38	3.38	0.81	30.28
1898.	3.28	3.57	5.42	1.65	3.20	3.47	1.22	6.47	3.71	4.81	1.76	0.80	39.36
1899.	0.37	1.59	2.14	0.96	3.32	1.19	4.04	1.39	1.73	2.44	1.33	1.41	21.91
1900.	1.63	3.00	1.96	1.15	2.83	2.22	5.60	11.17	2.79	2.27	2.23	0.53	37.38
1901.	1.27	1.19	3.86	0.44	1.63	1.88	4.51	1.06	2.18	0.71	1.32	1.30	21.35
1902.	0.70	2.72	3.27	1.96	7.97	9.00	7.83	2.27	4.29	3.10	2.95	2.02	48.08
1903.	1.83	1.87	3.10	4.76	3.16	2.70	7.14	5.14	6.88	2.57	0.97	2.38	42.50
1904.	1.31	1.52	4.66	2.91	3.51	2.57	4.04	6.49	5.24	0.84	0.03	2.16	35.28
1905.	0.50	1.45	2.98	3.14	6.59	4.30	3.20	6.52	1.06	4.61	2.20	1.66	38.21
1906.	2.99	3.03	3.06	1.80	4.40	3.17	1.36	3.34	6.09	2.02	3.40	1.84	36.50
1907.	3.88	0.30	1.49	2.66	4.59	4.57	4.99	3.28	7.39	1.26	1.42	1.17	37.00
1908.	0.79	2.93	3.31	4.60	7.01	4.12	3.06	3.46	1.00	0.86	2.05	1.50	34.69
Mns	1.91	1.98	2.59	3.07	4.21	4.34	3.86	3.42	3.43	2.60	2.31	1.92	35.64

LA GRANGE, COOK COUNTY, ILL. Elevation, 657 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	....	0.83	2.20	2.76	8.00	12.25	....	...	1.70	0.81	2.24	1.93	.....
1893.	1.91	1.79	2.15	5.61	2.27	5.30	2.96	0.23	2.84	0.52	2.26	2.00	29.84
1894.	1.64	1.72	....	....	3.16	2.09	....	....	8.87	1.04	1.45	0.71	.....
1895.	1.64	0.45	0.85	1.17	2.24	2.00	....	5.69	1.10	0.77	5.09	6.04	.....
1896.	1.16	2.39	1.04	4.21	4.73	2.63	....	....	5.39	0.85	3.03	0.10	.....
1897.	6.09	1.83	4.00	3.50	1.85	3.74	2.97	1.57	0.80	0.33	3.82	1.36	31.86
1898.	4.30	2.60	5.87	1.14	3.50	6.92	2.77	4.59	3.97	4.21	2.69	1.56	44.12
1899.	0.37	1.91	2.06	0.35	5.98	1.86	8.80	2.18	1.73	2.54	1.53	1.63	30.94
1900.	1.30	3.38	1.84	0.95	3.78	3.40	5.64	4.81	1.95	1.12	3.32	0.32	31.81
1901.	1.45	2.03	3.78	0.47	0.96	4.38	2.87	2.00	3.56	1.65	1.04	1.33	25.52
1902.	0.53	1.34	3.19	1.89	6.16	10.64	7.51	2.08	5.91	2.09	2.68	2.31	46.33
1903.	0.86	2.90	2.51	3.51	1.27	2.06	....	....	5.54	1.50	0.37	2.08	.....
1904.	1.65	1.56	5.30	2.02	1.57	0.79	3.55	3.06	3.69	1.59	T.	0.99	25.77
1905.	0.72	1.06	1.58	3.41	5.91	3.33	3.56	2.65	4.25	1.65	2.77	0.46	31.35
1906.	1.61	2.50	2.56	1.59	3.42	2.49	2.16	5.53	6.19	2.72	2.69	2.36	35.82
1907.	5.17	0.40	2.71	2.45	2.61	3.99	4.54	4.28	5.72	1.05	1.15	1.81	35.88
1908.	1.41	3.40	3.20	2.71	6.16	1.30	3.54	7.75	1.40	0.89	2.40	1.34	35.50
Mns	1.99	1.89	2.80	2.36	3.74	4.07	4.24	3.57	3.80	1.49	2.27	1.67	33.89

GALVA, HENRY COUNTY ILL. Elevation, 842 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1864.	....	....	....	....	....	....	....	....	2.31	1.94	2.37	2.93	.....
1865.	3.00	2.95	2.31	4.44	2.56	2.87	4.31	5.25	7.50	2.25	0.19	0.40	38.03
1866.	3.06	1.05	1.93	2.06	1.63	2.69	4.56	3.62	8.25	2.00	0.35	3.22	34.42
1867.	0.75	1.75	1.95	2.27	6.41	1.62	1.77	2.82	0.82	0.87	1.99	1.25	24.27
1868.	3.99	0.83	5.73	3.15	7.04	2.10	1.25	3.38	2.61	0.20	3.20	1.35	34.83
1869.	1.17	2.86	1.64	2.07	5.86	12.43	3.73	7.01	....	0.35	....	...	.....
1870.	....	....	....	....	....	0.38	0.66	3.15	....	....	....	....	.....
1871.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1872.	....	....	....	....	....	....	3.13	5.60	5.03	0.70	1.15	2.20	.....
1873.	2.15	0.25	0.43	5.53	5.11	1.60	3.12	1.15	2.18	1.76	1.08	....	.....
1874.	2.60	1.16	1.71	4.02	2.18	3.40	1.42	2.53	3.96	1.40	1.93	0.64	26.95
1875.	0.14	0.46	1.08	2.62	4.22	4.72	6.66	0.70	2.16	1.24	0.63	1.96	26.59
1876.	1.69	2.14	3.56	2.62	5.28	4.67	4.26	0.58	5.10	2.05	1.91	0.58	34.44
1877.	....	....	2.18	3.15	2.71	8.87	3.36	1.89	1.05	4.93	3.20	2.56	.....
1878.	0.24	1.03	2.40	4.87	4.43	3.18	2.16	6.34	1.02	3.20	0.60	2.20	31.67
1879.	0.81	0.75	1.31	2.16	0.87	3.66	3.49	3.17	2.05	2.54	2.81	1.11	24.74
1880.	3.28	2.30	3.18	3.54	5.23	3.26	2.31	2.52	1.74	1.73	1.83	1.24	32.16
1881.	0.92	3.89	3.41	1.53	1.84	8.36	3.94	0.62	4.16	5.93	2.77	1.63	39.00
1882.	1.51	1.06	2.93	2.93	4.96	6.23	3.94	6.56	0.92	3.19	1.56	1.71	37.50
1883.	1.87	2.75	0.51	4.14	4.31	3.54	4.19	....	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1893.	0.95	1.65	2.88	5.73	2.45	1.37	1.08	0.69	3.57	0.46	2.25	1.54	24.62
1894.	1.64	0.88	2.53	1.71	2.18	4.14	0.99	1.78	5.17	1.16	1.62	0.62	24.42
1895.	1.33	0.19	0.35	1.03	2.53	1.57	5.58	2.74	5.17	0.87	2.18	4.20	27.74
1896.	1.17	0.80	0.79	4.24	5.25	3.10	9.45	3.69	6.68	1.30	1.42	0.30	38.19
1897.	4.91	1.23	4.64	2.61	1.06	0.92	3.60	1.01	2.46	0.23	2.00	1.08	25.75
1898.	3.38	1.43	5.43	2.77	8.74	9.86	0.96	7.13	3.84	2.73	2.19	0.61	49.97
1899.	0.24	1.39	2.70	1.44	6.07	2.57	2.82	2.40	2.46	4.34	1.23	1.71	29.37
1900.	1.71	2.49	2.95	1.35	4.28	0.51	3.69	8.21	4.65	2.61	1.63	0.16	34.24
1901.	1.13	1.77	2.70	0.95	1.51	3.70	4.59	1.38	2.84	1.17	1.08	1.09	23.91
1902.	0.44	1.29	4.17	2.07	5.01	8.96	10.54	3.78	6.04	3.28	1.82	1.64	49.04
1903.	0.74	1.95	2.72	4.07	5.42	3.64	5.77	4.91	5.30	1.88	1.08	0.92	38.40
1904.	2.18	0.69	3.66	2.60	3.05	2.49	8.83	5.97	5.49	0.24	0.23	1.96	37.59
1905.	0.67	1.64	2.34	4.78	3.96	5.16	2.16	2.58	1.47	2.85	1.87	1.56	31.04
1906.	3.01	2.19	2.24	1.92	2.33	3.49	2.10	2.50	4.02	0.69	2.09	1.78	28.36
1907.	3.24	0.20	1.27	3.16	2.83	2.44	5.23	6.41	2.69	0.65	1.43	1.11	30.66
1908.	1.83	3.01	4.65	3.50	9.32	3.84	2.68	3.91	1.57	1.42	3.64	0.48	39.85
Mns	1.80	1.56	2.57	2.97	4.08	3.98	3.77	3.52	3.50	1.88	1.73	1.47	32.83

Values 1864 to 1883, inclusive, for Elmira, 12 miles distant.

KISHWAUKEE, WINNEBAGO COUNTY, ILL. Elevation, 730 feet.

1872.	....	....	....	....	....	....	....	....	....	....	....	0.76	.....
1873.	1.80	....	1.56	1.50	4.75	3.00	1.60	1.65	1.55	2.70	1.60	2.25	.....
1874.	4.87	0.83	1.01	1.23	1.09	3.39	0.90	1.19	5.97	1.10	1.73	0.57	23.90
1875.	0.75	1.56	0.59	3.06	2.25	6.21	5.96	2.15	3.56	2.34	0.51	2.57	31.51
1876.	3.46	2.91	2.84	3.83	6.06	4.25	5.80	2.42	4.71	1.50	4.37	0.41	42.56
1877.	3.06	0.30	5.53	3.99	2.20	4.32	1.96	4.04	0.61	6.15	3.90	2.00	38.06
1878.	0.56	1.52	3.63	3.44	4.20	3.48	5.75	1.99	0.78	6.03	0.78	1.48	33.64
1879.	0.71	1.32	0.91	2.76	2.19	3.63	6.98	3.06	0.40	1.93	5.35	1.18	30.42
1880.	3.17	1.92	2.70	4.53	4.11	3.88	1.74	2.98	3.51	1.20	1.73	0.60	32.07
1881.	1.71	6.50	3.49	1.38	2.39	6.44	7.72	0.33	3.72	5.37	2.17	2.99	44.21
1882.	1.19	2.01	3.54	5.15	3.42	5.69	2.96	3.82	0.93	3.32	2.24	2.49	36.76
1883.	1.98	3.76	0.57	1.96	6.39	4.21	3.69	1.50	0.92	6.66	3.87	1.58	37.09
1884.	1.42	1.91	2.88	3.45	3.43	6.16	6.13	3.68	3.85	6.24	1.99	6.51	47.65
1885.	2.39	2.50	0.26	4.33	2.39	5.47	4.50	9.18	4.64	3.95	1.96	3.57	45.14
1886.	5.88	3.40	4.55	4.36	4.93	2.74	0.35	8.41	2.25	4.03	1.61	1.65	44.16
1887.	4.21	6.44	1.25	0.92	1.98	0.89	3.12	4.42	3.75	2.09	1.39	5.01	35.47
1888.	1.72	1.30	3.03	2.54	6.25	1.27	4.90	1.99	1.05	1.80	2.39	2.58	30.82
1889.	2.96	1.51	1.32	2.88	6.64	3.93	2.02	0.74	1.95	0.67	2.38	2.88	29.88
1890.	2.81	2.69	2.42	3.76	5.28	12.33	0.83	3.38	0.60	5.98	2.23	1.60	43.91
1891.	2.72	1.65	3.21	4.83	2.75	4.87	2.27	1.44	0.75	1.53	3.67	1.30	30.99
1892.	3.72	1.95	1.61	4.71	9.18	14.16	4.32	7.26	1.61	0.78	2.53	2.96	54.79
1893.	6.39	2.45	3.21	5.38	3.09	4.51	3.49	1.13	2.82	3.60	1.71	1.71	36.49
1894.	1.47	2.06	3.26	*2.74	*3.51	*2.03	*1.48	*1.27	*5.15	*1.81	*1.79	*0.33	26.90
1895.	2.27	0.93	2.53	1.51	3.54	1.93	2.53	3.06	2.77	1.32	3.34	2.59	28.32
1896.	0.90	2.40	2.02	4.08	6.31	2.34	4.36	3.75	8.33	0.85	3.05	0.90	39.29
1897.	4.72	1.45	4.90	3.81	1.12	4.09	2.71	0.90	1.18	0.68	1.73	1.62	28.91
1898.	2.97	2.52	4.21	2.16	4.36	2.79	2.32	5.46	3.49	2.74	1.23	0.84	35.09
1899.	0.43	0.95	1.74	....	....	....	....	....	....	1.60	1.12	2.23	.....
1900.	....	3.39	1.07	2.90	3.46	2.58	4.04	5.35	2.98	3.64	1.93	0.48	.....
1901.	1.41	2.40	3.93	0.46	2.00	3.13	4.39	1.36	3.34	0.82	1.03	1.53	25.80
1902.	0.48	1.63	3.17	1.62	7.58	7.45	6.87	1.49	7.04	2.07	2.94	1.87	44.51
1903.	0.58	1.19	3.84	6.00	3.73	2.38	5.25	9.29	6.06	2.77	1.25	1.04	43.38
1904.	2.90	1.30	4.43	2.84	3.36	1.24	3.15	3.35	3.52	1.89	0.02	1.93	29.93
1905.	0.61	1.42	3.80	2.90	5.51	2.65	2.65	3.13	1.95	3.53	2.24	1.45	31.84
1906.	2.60	1.64	2.88	1.47	3.07	3.11	2.99	6.91	1.51	1.83	2.56	1.74	35.31
1907.	3.58	0.29	2.15	2.34	2.90	4.94	5.07	3.76	5.70	0.74	1.31	1.23	31.01
1908.	0.63	2.09	4.17	3.59	7.84	2.31	3.08	2.34	0.94	1.07	2.82	0.56	31.44
Mns	2.29	2.12	2.73	3.10	4.10	4.22	3.65	3.38	3.05	2.68	2.18	1.90	35.40

* From April 1894 to December 1894, inclusive, the values are for Winnebago. All other values prior to September 1898 are for Rockford. The three stations are in the same county.

STREATOR, LA SALLE COUNTY, ILL. Elevation, 616 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893.	....	....	....	6.17	3.21	0.96	....	....	3.00	....	2.80	0.97	.....
1894.	1.90	0.44	2.95	1.03	3.62	2.53	....	....	....	....	....	2.10	.....
1895.	1.55	0.30	1.40	0.41	0.80	....	6.00	2.60	1.90	1.00	4.54	5.89	.....
1896.	1.30	1.15	0.65	2.63	5.98	3.27	5.75	1.52	3.44	0.05	2.07	0.10	27.91
1897.	5.65	1.55	4.08	1.88	1.13	6.70	2.71	1.07	1.10	0.23	4.20	1.32	31.62
1898.	3.43	1.62	6.93	3.00	6.00	3.24	0.62	2.96	4.20	2.99	2.47	0.77	38.23
1899.	1.28	1.82	*2.00	0.45	2.50	1.82	5.22	1.69	2.73	2.47	1.23	1.93	25.14
1900.	1.49	3.54	2.85	1.24	2.44	1.63	3.13	7.13	2.56	2.18	2.57	0.34	31.10
1901.	1.42	1.40	3.49	0.75	1.24	2.85	3.02	2.56	2.20	0.63	1.38	2.15	23.09
1902.	0.79	1.32	4.66	2.17	4.37	10.64	8.59	7.11	5.26	3.24	3.48	1.74	53.37
1903.	0.90	2.52	3.79	4.81	2.48	2.07	2.43	4.04	7.60	1.02	0.78	1.78	34.22
1904.	2.23	1.55	5.76	3.91	4.46	2.11	4.60	2.39	4.15	0.20	T.	1.57	32.93
1905.	1.07	1.38	2.20	4.22	4.77	3.01	4.10	2.15	2.39	2.64	1.73	1.41	31.07
1906.	2.26	1.99	2.77	1.40	1.79	3.10	1.39	2.25	4.25	1.64	2.75	3.06	28.65
1907.	5.64	0.10	3.02	2.92	3.70	3.95	7.61	5.08	5.58	0.51	2.06	1.41	41.58
1908.	0.59	3.73	2.53	4.15	7.16	1.69	3.62	0.41	0.39	0.68	2.36	0.92	28.23
Mns	2.10	1.63	3.27	2.57	3.48	3.30	4.20	3.07	3.38	1.39	2.29	1.72	32.40

* Estimated.

LANARK, CARROLL COUNTY, ILL. Elevation, 883 feet.

1887.	....	....	....	....	1.89	1.89	3.81	3.68	4.76	2.34	1.64	3.63	.....
1888.	1.39	1.26	4.04	1.52	6.46	2.72	4.96	2.91	1.24	2.40	3.13	3.02	35.05
1889.	1.66	1.17	1.49	3.87	3.55	3.17	6.42	0.38	4.71	1.02	1.10	2.63	31.17
1890.	2.76	1.61	2.13	....	3.71	12.32	0.78	2.96	1.36	5.43	1.87	0.81	.....
1891.	1.59	1.48	2.86	3.20	3.22	3.18	4.39	2.63	1.84	1.58	3.71	2.06	31.74
1892.	2.13	1.83	2.97	6.05	9.29	9.57	....	....	....	....	....	....	.....
1893.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1894.	....	....	....	....	....	*3.00	*0.33	*3.19	*6.49	*3.68	*1.60	*0.63	.....
1895.	*1.82	*0.29	*0.70	*0.18	3.78	1.60	4.28	1.61	1.70	0.86	2.02	1.41	20.25
1896.	0.49	1.02	1.21	5.05	7.92	2.92	5.06	3.23	4.78	1.97	0.83	0.95	35.43
1897.	2.48	0.89	3.20	2.67	1.24	5.58	1.06	0.59	1.54	0.39	1.79	1.46	22.89
1898.	1.85	1.52	2.66	2.76	3.87	2.12	2.00	7.23	3.66	3.45	1.07	0.34	32.53
1899.	0.27	0.20	1.31	2.12	7.74	2.72	3.66	1.67	1.33	2.67	1.75	1.73	27.17
1900.	1.48	2.35	1.51	2.36	4.23	1.91	6.17	4.46	2.87	2.32	1.88	0.72	32.26
1901.	0.90	0.70	2.75	0.66	2.72	1.87	1.15	0.27	2.58	1.39	1.06	1.26	17.31
1902.	0.46	1.27	1.44	2.65	7.14	10.51	9.79	2.26	5.63	3.08	4.53	2.78	51.54
1903.	1.06	1.90	2.94	4.02	5.05	1.88	9.09	6.26	5.64	2.02	1.06	1.71	42.63
1904.	*0.65	*0.60	2.68	3.08	3.37	1.12	2.94	5.03	7.49	1.20	0.17	2.65	30.98
1905.	0.57	1.26	3.06	2.41	4.06	3.15	4.01	7.90	2.62	4.29	2.16	0.96	36.45
1906.	2.60	1.79	2.44	2.17	4.18	5.24	4.32	6.05	3.70	1.95	3.48	1.71	39.63
1907.	2.67	0.22	1.51	2.50	3.23	4.48	3.72	5.13	6.20	1.42	1.41	0.93	33.42
1908.	0.62	1.94	3.02	2.91	6.14	5.13	6.67	2.69	0.89	1.16	3.02	0.49	34.68
Mns	1.44	1.23	2.31	2.79	4.64	4.10	4.23	3.51	3.55	2.23	1.96	1.59	33.58

* Values are for Zion, in the same county.

DUBUQUE, DUBUQUE COUNTY, IOWA. Elevation, 639 feet.

1873.	....	....	....	....	....	....	1.27	5.88	1.53	2.07	0.77	2.07	.....
1874.	2.45	0.49	1.28	1.54	1.08	3.29	3.24	2.13	7.68	2.18	4.79	0.65	30.80
1875.	1.00	2.12	1.45	2.71	3.62	4.75	5.74	1.07	7.10	2.71	0.48	2.71	35.46
1876.	3.20	1.53	4.00	3.63	5.96	7.88	8.15	5.92	5.90	1.10	2.49	0.52	50.28
1877.	0.96	0.26	4.53	3.74	3.84	6.75	2.90	3.96	0.67	5.35	3.31	2.70	38.97
1878.	0.49	1.93	2.44	4.34	4.61	4.35	6.71	1.72	6.94	2.85	0.80	1.12	38.30
1879.	0.44	1.00	1.20	2.02	2.94	4.99	6.78	2.43	2.98	0.93	5.41	1.28	32.40
1880.	1.95	1.01	2.55	3.51	3.72	6.02	3.55	7.15	6.84	0.66	2.11	1.25	40.32
1881.	1.87	3.75	3.78	1.30	2.20	7.56	10.53	2.46	10.26	6.70	3.19	1.55	55.15
1882.	0.84	0.59	1.49	4.47	4.16	6.29	1.48	2.29	2.60	5.29	1.55	1.79	32.84
1883.	1.59	2.60	0.32	1.93	7.13	5.34	7.90	2.70	2.09	4.44	1.65	1.88	39.57
1884.	0.99	2.19	3.85	2.77	4.88	4.89	5.30	4.25	4.07	4.16	1.43	4.08	42.86
1885.	1.80	0.72	0.41	3.69	2.62	6.16	6.35	8.02	4.58	2.32	0.64	3.14	40.45
1886.	3.17	1.36	4.32	2.12	4.17	0.71	0.89	0.67	3.10	4.08	1.89	1.03	27.51
1887.	3.33	3.56	1.80	1.37	2.53	1.32	2.44	4.40	7.62	2.22	0.74	3.07	34.40
1888.	1.20	1.31	3.44	2.58	5.84	5.28	3.59	1.73	2.01	1.62	2.75	1.96	33.31
1889.	1.55	1.34	0.30	3.56	4.00	3.87	4.22	0.26	1.54	0.66	1.57	1.38	24.25
1890.	2.31	1.25	1.68	2.94	5.36	9.59	1.21	6.00	3.72	6.43	1.85	0.82	43.16
1891.	1.27	0.98	2.69	1.63	2.54	2.34	4.59	3.31	0.68	2.20	3.24	2.08	27.55
1892.	2.34	1.02	1.91	4.37	9.18	14.16	5.08	2.51	3.79	0.44	1.89	2.08	48.77
1893.	1.60	1.30	2.52	4.32	3.06	5.49	3.57	0.58	3.31	1.66	2.03	1.33	30.77
1894.	1.11	1.22	3.06	2.27	1.75	2.25	0.02	1.32	2.96	1.51	1.53	0.35	19.35
1895.	1.44	0.66	0.99	0.49	2.63	1.05	3.00	1.75	2.06	0.80	2.12	2.75	19.74
1896.	0.75	1.93	0.76	7.80	7.63	3.11	7.72	2.05	5.67	2.56	1.60	0.71	42.29
1897.	2.55	1.43	2.97	3.39	2.09	2.36	4.34	1.51	3.19	1.02	1.23	2.08	28.16
1898.	2.19	2.01	2.78	4.06	4.47	4.36	2.83	4.37	3.07	3.86	1.15	0.33	35.48
1899.	0.51	0.67	1.52	4.24	5.75	4.08	4.12	1.95	0.99	1.63	0.97	1.85	28.28
1900.	1.15	2.13	1.84	2.39	4.75	2.04	8.00	3.35	3.34	2.38	1.64	0.42	33.43
1901.	1.07	1.07	2.88	1.01	3.10	1.23	2.31	0.25	3.72	1.64	0.67	1.44	20.39
1902.	0.74	1.43	1.76	1.11	8.67	6.97	6.80	1.57	3.93	2.26	0.86	2.24	38.34
1903.	0.17	1.19	1.8[illegible]	3.29	4.25	2.16	7.10	5.27	3.20	1.72	0.75	0.85	31.79
1904.	0.51	0.73	2.86	2.05	3.86	0.74	1.86	2.58	2.21	3.18	0.08	2.37	23.03
1905.	0.95	1.58	2.27	3.07	4.06	4.33	1.51	3.07	1.25	3.88	2.64	1.17	29.78
1906.	2.72	0.93	2.36	1.16	3.59	3.36	1.57	4.44	1.78	1.70	2.95	2.04	28.60
1907.	1.72	0.52	0.99	2.48	2.66	4.08	5.15	5.85	6.01	0.77	1.29	0.67	32.19
1908.	0.70	1.87	1.72	2.50	5.82	2.21	2.06	2.92	1.14	1.20	1.34	0.63	24.11
Mns	1.50	1.42	2.19	2.85	4.24	4.44	4.27	3.10	3.71	2.50	1.82	1.62	33.66

OTTAWA, LA SALLE COUNTY, ILL. Elevation, 500 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1856.	1.90	0.43	0.14	1.36	6.20	2.11	2.71	1.54	2.38	2.86	3.64	4.82	30.09
1857.	0.46	4.45	3.06	1.41	3.65	3.95	3.97	6.10	0.89	2.68	2.96	1.12	34.70
1858.	1.65	3.15	2.98	4.55	8.36	6.57	4.82	2.37	3.55	3.97	2.35	2.55	46.87
1859.	1.71	0.86	5.24	4.08	3.12	1.68	0.73	3.44	1.66	2.34	2.09	0.94	27.89
1860.	2.66	1.59	0.70	1.49	2.20	2.54	2.89	0.79	1.88	0.40	4.03	5.90	27.07
1861.	1.22	1 95	2.54	4.97	3.60	4.64	5.23	2.41	5.17	3.57	1.44	2.15	38.89
1862.	5.80	1.29	4.16	4.85	3.61	5.61	8.92	6.82	7.55	2.49	2.48	2.13	55.71
1863.	....	3.29	3.26	3.26	3.64	....	....	3.11	2.74	4.23	1.78	1.40	.....
1864.	2.43	1.64	2.70	3.64	1.79	1.52	2.94	1.85	2.58	1.66	3.29	3.49	29.53
1865.	0.45	3.99	3.15	5.48	....	5.17	5.01	5.50	3.89	1.84	0.49	0.59	.....
1866.	2.85	2.49	1.97	1.62	2.16	1.57	5.73	3.62	4.72	2.16	0.90	2.97	32.76
1867.	1.28	4.55	1.42	1.72	4.64	3.73	4.23	2.41	0.11	0.92	....	1.66	.....
1868.	1.07	1.40	5.28	2.60	7.64	2.21	1.96	3.19	3.48	....	....	....	.....
1869.	....	1.95	1.38	4.58	7.45	6.27	4.40	4.24	....	1.48	1.88	1.63	.....
1870.	5.28	0.90	3.68	0.85	1.15	1.39	1.90	2.26	3.63	4.33	1.42	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1886.	....	....	....	....	....	....	....	....	....	1.60	0.60	0.43	.....
1887.	1.82	3.25	0.64	0.39	1.08	1.12	1.17	3.06	2.77	2.80	2.17	3.33	23.60
1888.	1.80	1.88	3.70	1.23	5.39	2.01	3.58	1.77	0.60	2.71	3.38	2.22	30.27
1889.	1.91	1.16	1.77	2.44	4.36	4.61	5.67	2.00	3.92	1.51	3.12	1.80	34.27
1890.	1.94	1.40	3.33	1.87	3.99	6.87	0.34	2.72	2.48	3.89	2.06	0.27	31.16
1891.	2.86	2.28	2.56	3.96	1.84	3.99	4.45	5.11	1.27	0.56	4.75	1.74	35.37
1892.	1.45	1.52	2.70	3.56	13.25	9.80	4.92	0.81	2.56	0.63	2.48	1.84	45.52
1893.	2.20	3.03	3.30	5.23	1.95	2.49	1.02	0.77	2.29	1.10	2.18	2.16	27.72
1894.	2.38	1.58	2.57	1.51	4.01	3.03	0.80	1.75	7.18	1.63	2.09	1.19	29.72
1895.	1.22	0.70	0.82	2.02	1.06	1.02	4.79	2.26	1.47	1.16	5.27	5.77	27.56
1896.	1.37	1.65	1.32	3.38	4.24	2.22	8.63	2.43	9.38	0.17	3.43	0.28	38.50
1897.	5.98	1.71	4.47	1.88	0.99	6.90	2.99	0.74	1.89	0.46	4.37	1.74	34.12
1898.	5.24	2.38	5.21	3.12	6.72	5.80	1.30	4.31	5.90	4.73	2.88	1.42	49.01
1899.	0.63	2.10	3.21	1.50	5.08	1.42	5.70	3.02	2.15	2.53	1.46	2.03	30.83
1900.	1.60	4.53	2.91	1.53	5.60	1.96	4.53	7.24	2.26	2.24	3.16	0.31	37.87
1901.	1.76	2.10	3.51	0.61	2.15	2.67	5.47	0.81	3.20	0.91	1.49	2.09	26.77
1902.	0.63	1.41	4.89	2.55	5.64	10.51	10.49	4.40	6.76	1 87	4.29	2.01	55.45
1903.	1.13	2.35	3.10	5.08	4.19	3.78	1.94	4.90	6.03	1.43	0.46	1.91	36.30
1904.	2.54	1.80	4.87	3.93	3.00	1.89	5.14	3.58	3.27	0.26	0.08	1.86	32.22
1905.	1.30	1.93	2.09	5.15	3.68	3.39	1.68	4.12	2.13	1.87	2.01	1.70	31.05
1906.	2.07	2.26	2.02	1.63	2.37	2.64	1.45	4.57	5.09	1.23	2.63	1.22	29.18
1907.	5.25	0.15	2.55	2.69	4.84	2.50	6.92	4.49	4.94	1.00	1.96	1.79	39.08
1908.	0.86	1.53	3.87	3.48	8.17	1.77	3.05	2.03	0.35	0.65	1.79	0.99	28.54
Mns	2.19	2.07	2.89	2.84	4.24	3.65	3.93	3.15	3.39	1.97	2.41	1.98	34.71

WINNEBAGO, WINNEBAGO COUNTY, ILL. Elevation, 900 feet.

1857.	....	....	3.26	2.39	3.64	8.34	4.01	6.10	2.56	4.76	1.91	1.30	.....
1858.	2.37	1.29	2.08	3.98	6.87	7.45	3.36	2.85	5.59	2.94	4.50	1.88	45.16
1859.	1.28	1.36	4.88	3.44	2.82	2.42	1.89	1.34	2.57	0.68	3.04	0.79	26.51
1860.	1.14	2.00	0.78	1.19	4.28	4.47	....	2.26	5.48	2.17	2.44	3.30	.....
1861.	2.66	4.87	2.41	4.98	5.39	1.33	5.78	3.05	6.89	3.56	1.75	1.84	44.51
1862.	3.78	1.02	2.16	5.59	3.67	3.09	....	6.98	5.96	2.76	0.93	1.52	.....
1863.	2.86	....	1.65	....	5.05	1.67	2.10	2.24	1.63	3.49	2.22	3.62	.....
1864.	2.05	0.30	2.71	2.66	1.46	1.13	5.83	1.88	3.57	2.28	2.27	2.76	28.50
1865.	0.27	3.25	3.58	4.33	1.56	4.66	6.17	7.22	9.09	3.53	0.42	0.74	44.82
1866.	2.49	0.98	2.00	3.06	1.90	4.45	5.03	7.52	4.19	2.86	0.59	3.84	38.91
1867.	2.86	2.83	1.58	1.43	4.65	3.74	1.58	3.33	1.53	0.50	1.68	1.03	26.74
1868.	0.82	0.77	4.98	4.43	3.82	5.12	2.93	1.60	5.23	1.00	3.31	1.30	35.31
1869.	1.39	2.14	0.95	2.76	5.53	7.01	2.91	4.22	3.85	0.83	2.76	2.86	37.21
1870.	2.87	0.75	3.41	1.32	1.25	2.12	3.74	3.66	3.92	2.75	0.60	0.78	27.17
*	*	*	*	*	*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1888.	†1.72	†1.30	†3.03	2.20	5.69	1.13	7.63	2.27	1.18	1.75	2.17	2.65	32.72
1889.	2.18	2.00	1.40	4.14	5.42	3.20	2.77	0.10	1.66	0.62	1.73	2.83	28.05
1890.	3.39	2.73	1.64	3.50	4.35	10.15	0.40	2.55	0.50	6.40	2.10	1.40	39.11
1891.	2.30	1.55	4.25	4.17	2.50	3.45	2.13	1.24	0.99	1.49	3.71	2.26	30.04
1892.	2.60	1.76	1.95	4.40	8.33	10.29	3.85	5.15	1.74	0.50	2.12	2.38	45.07
1893.	2.04	2.04	2.30	4.66	2.72	3.26	2.61	0.80	2.68	2.45	1.67	1.29	28.52
1894.	1.48	1.25	3.55	2.74	3.51	2.03	1.48	1.27	5.15	1.81	1.79	0.33	26.39
1895.	1.42	0.39	1.90	0.70	4.07	1.89	3.89	2.92	2.29	0.80	3.07	2.07	25.41
1896.	0.65	1.54	1.28	3.63	6.50	2.94	4.95	1.92	5.61	0.75	2.18	0.58	32.53
1897.	3.74	1.38	4.87	3.63	1.31	4.70	3.82	1.37	1.01	0.58	1.28	1.58	29.27
1898.	2.95	3.07	3.95	3.39	3.52	3.65	2.74	7.13	2.47	3.80	1.81	0.71	39.19
1899.	0.53	1.49	1.87	2.14	6.56	2.15	6.18	2.57	1.68	2.22	1.52	1.98	30.89
1900.	2.20	3.22	2.07	2.98	4.96	2.67	5.81	5.88	3.58	3.70	2.10	0.57	39.74
1901.	1.10	1.47	3.52	0.43	2.79	2.83	3.76	1.21	3.15	0.92	1.20	2.05	24.43
1992.	0.63	1.43	2.86	1.74	7.62	8.76	5.85	1.53	4.71	1.62	3.06	2.10	41.91
1903.	0.58	1.81	3.51	4.91	3.73	2.75	4.93	7.66	5.49	4.35	1.15	1.68	42.55
1904.	1.74	1.38	4.55	3.41	3.17	1.53	3.41	2.95	4.11	1.95	0.13	3.34	31.67
1905.	0.66	1.69	3.77	3.59	6.38	3.76	3.67	3.83	0.77	4.10	2.29	1.48	35.99
1906.	3.72	2.17	3.24	2.09	4.05	4.93	2.83	6.02	4.68	2.56	2.85	1.59	40.73
1907.	3.68	0.76	1.49	3.46	3.20	5.81	6.65	4.09	6.45	0.71	1.45	1.77	39.52
1908.	1.00	2.57	5.41	4.48	8.17	3.51	4.59	2.85	1.15	1.02	3.66	0.85	39.26
Mns	1.98	1.77	2.82	3.18	4.30	4.07	3.92	3.42	3.52	2.23	2.04	1.80	35.05

† Values are for Rockford, in the same county.

WALNUT, BUREAU COUNTY, ILL. Elevation, 717 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	2.30	1.48	3.00	4.06	8.49	7.84	5.41	0.96	3.42	1.06	1.73	1.94	41.69
1893.	1.55	1.78	3.13	5.02	1.65	4.54	0.86	0.48	3.38	0.23	2.11	2.05	26.78
1894.	2.11	2.10	2.98	1.23	3.57	3.00	0.26	1.35	6.89	1.43	1.52	0.61	27.05
1895.	1.92	0.55	0.86	1.02	2.39	0.92	5.41	3.23	2.71	0.64	2.60	3.55	25.80
1896.	0.87	1.57	1.51	5.17	4.12	3.81	6.32	2.63	5.94	1.20	2.06	0.17	35.37
1897.	5.01	1.45	5.05	3.71	1.25	4.94	1.35	1.33	3.43	0.25	2.27	1.31	31.35
1898.	3.96	2.08	5.22	2.78	5.22	3.98	1.20	5.51	4.47	2.63	1.70	0.96	39.71
1899.	0.36	1.57	1.99	1.82	6.68	1.69	5.05	2.95	1.91	2.78	0.84	1.57	29.21
1900.	1.50	2.78	3.17	1.35	3.88	3.03	6.12	6.60	4.74	3.48	1.64	0.29	38.58
1901.	1.03	1.25	2.57	0.51	2.43	4.16	3.53	1.58	2.06	0.82	1.37	1.25	22.56
1902.	0.38	1.38	2.09	1.53	6.50	8.89	11.01	4.63	4.99	3.63	1.89	1.81	48.73
1903.	1.57	1.88	2.65	4.38	4.59	1.96	5.38	4.53	6.69	2.98	0.53	1.32	38.46
1904.	2.22	1.55	2.89	1.69	3.31	1.38	5.34	4.53	3.96	0.37	0.06	2.18	29.48
1905.	0.74	1.86	3.63	3.88	5.01	5.20	2.19	4.88	2.77	3.02	1.18	1.42	35.78
1906.	2.92	2.87	5.22	2.07	4.17	3.94	1.68	3.07	4.02	1.22	2.79	2.52	36.49
1907.	3.97	0.25	2.23	2.57	4.13	3.44	9.53	4.67	4.84	0.51	1.41	0.92	38.47
1908.	0.85	3.82	3.34	2.74	9.89	2.90	2.85	4.94	1.26	0.58	2.31	0.66	36.14
Mns	1.96	1.78	3.03	2.68	4.55	3.86	4.32	3.40	3.97	1.58	1.61	1.44	34.18

HENRY, MARSHALL COUNTY, ILL. Elevation, 500 feet.

1871.	2.59	2.49	3.20	1.60	1.80	4.70	1.80	3.70	0.50	2.20	2.90	1.90	29.38
1872.	....	0.40	0.55	4.10	3.50	5.30	3.30	6.30	5.30	1.50	1.20	0.70	.....
1873.	2.52	0.80	0.90	4.50	4.50	0.90	2.20	2.00	2.50	1.80	1.40	4.65	28.67
1874.	3.40	1.58	1.20	2.50	3.20	3.30	1.50	1.40	3.20	1.90	3.20	0.50	26.88
1875.	0.40	1.90	1.35	2.30	3.70	3.50	8.30	2.10	5.10	1.90	0.67	2.70	33.92
1876.	3.40	2.60	2.90	4.00	3.40	5.60	6.10	1.20	2.50	1.20	3.60	0.76	37.26
1877.	0.60	....	2.60	3.70	2.40	5.90	3.10	1.00	0.90	6.10	4.00	2.90	.....
1878.	0.50	1.80	2.30	5.40	6.10	3.10	1.10	5.60	0.90	2.90	0.40	1.80	31.90
1879.	0.60	....	....	....	....	....	....	....	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1887.	2.24	4.55	0.72	0.73	1.52	1.70	1.30	4.80	2.70	2.96	1.48	3.53	28.23
1888.	1.07	1.57	2.54	0.93	6.87	2.29	2.14	1.25	1.21	2.71	3.10	2.22	27.90
1889.	1.65	0.85	1.60	2.60	4.12	5.72	4.97	0.75	3.83	2.02	1.86	1.45	31.42
1890.	2.05	2.03	2.55	3.39	4.54	3.98	0.66	1.45	3.07	5.57	1.45	0.20	30.94
1891.	2.36	1.35	3.13	3.50	2.68	6.79	1.99	4.45	0.98	1.43	4.66	2.28	35.60
1892.	1.20	0.60	2.63	3.33	12.57	10.01	4.22	0.32	1.25	0.70	2.65	2.30	41.78
1893.	1.70	0.90	....	5.10	1.60	2 95	1.25	0.38	1.91	0.95	....	....	.....
1894.	....	....	....	....	3.20	4.91	0.25	1.82	7.06	1.29	....	1.11	.....
1895.	1.00	0.20	0.86	1.56	1.53	1.39	9.66	2.42	1.46	1.24	4.31	5.16	30.79
1896.	0.92	0.97	0.93	4.45	7.05	2.81	9.65	2.13	6.95	0.08	2.75	0.12	38.81
1897.	5.47	1.65	3.79	2.36	0.95	7.35	2.92	0.71	0.95	0.18	4.33	1.03	31.69
1998.	4.00	†2.10	†5.15	3.68	6.41	3.61	1.10	7.10	6.91	3.11	2.46	1.32	47.95
1899.	0.33	1.94	2.26	1.06	5.64	3.00	4.57	1.63	3.12	3.45	1.97	2.48	31.45
1900.	1.82	3.67	3.15	1.68	4.76	2.52	2.76	6.79	3.64	3.94	2.25	0.14	37.12
1901.	1.45	1.23	3.97	0.96	2.20	2.83	3.40	1.90	2.56	0.83	1.50	1.76	24.59
1902.	0.46	1.60	3.60	2.63	4.14	11.21	11.01	5.44	6.10	1.60	3.38	1.88	53.05
1903.	1.20	2.59	3.84	5.22	3.85	2.67	3.28	5.50	6.68	1.35	1.69	1.86	39.73
1904.	2.84	1.43	4.28	3.51	3.85	3.22	5.73	4.51	3.66	0.31	T.	1.71	35.05
1905.	1.09	1.76	2.64	3.87	3.60	5.46	2.51	4.20	1.86	2.91	2.21	1.63	33.74
1906.	2.23	1.70	2.31	1.65	2.53	3.31	2.57	3.91	5.03	1.92	2.56	2.17	31.89
1907.	5.85	0.16	3.20	2.79	3.65	3.79	5.43	4.58	4.51	0.80	1.92	1.23	37.91
1908.	1.12	2.51	3.00	4.64	8.90	4.60	2.82	0.94	0.80	0.77	1.87	0.81	32.78
Mns	1.94	1.68	2.58	3.03	4.19	4.28	3.72	3.01	3.24	1.99	2.35	1.80	33.81

Values from 1871 to 1893 inclusive, for Hennepin, 10 miles distant

Values from May 1894 to January 1898, inclusive, for Clear Creek less than 17 miles distant.

† Estimated.

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Aledo	8	7	5	9	8	11	10	10	10	7	5	7	6	95
Antioch	7	4	4	5	5	8	6	7	6	6	3	4	4	62
Ashton	14	9	9	11	8	12	9	9	8	8	6	8	9	106
Aurora	21	8	7	10	8	11	10	7	7	7	6	8	8	97
Cambridge	14	5	6	8	7	9	7	8	7	6	5	5	5	78
Chicago	38	11	11	12	11	12	11	10	9	9	9	10	11	126
Davenport, Ia	37	9	9	10	9	12	12	9	9	9	8	8	9	113
Dixon	17	9	7	9	10	13	9	9	9	9	6	7	7	104
Dubuque, Ia	35	9	9	10	10	13	11	10	9	10	8	8	9	116
Galva	16	8	7	9	10	12	10	9	9	9	7	8	7	105
Henry	19	6	5	8	8	11	8	7	7	7	5	7	5	84
Joliet	16	8	8	10	9	11	9	8	8	8	6	7	8	100
Kishwaukee	15	7	7	9	9	12	9	9	8	8	6	7	7	98
La Grange	16	6	6	8	7	9	7	8	6	7	5	6	5	80
Lanark	20	6	6	8	8	13	9	9	7	8	6	6	5	91
La Salle	4	10	6	12	11	12	10	12	11	8	6	7	7	112
Morrison	13	8	7	9	9	13	8	9	9	8	6	6	6	98
Ottawa	19	9	8	11	9	12	10	8	8	9	6	8	8	106
Streator	15	6	5	8	9	11	9	8	8	8	6	7	5	90
Sycamore	16	7	7	9	8	11	8	8	7	6	6	7	7	91
Tiskilwa	14	8	8	12	10	12	9	9	9	8	6	8	7	106
Walnut	16	8	7	10	8	12	9	9	8	8	6	7	6	98
Winnebago	20	7	6	9	8	12	8	8	7	8	6	7	6	92

Average snowfall.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Aledo	8	7.3	6.5	3.9	0.2	T.	0	0	0	0	0	0.9	3.1	21.9
Antioch	7	6.4	10.5	4.4	0.5	T.	0	0	0	0	T.	0.5	5.0	27.3
Ashton	14	7.4	11.3	6.9	0.9	T.	0	0	0	0	0.2	3.4	6.3	36.4
Aurora	21	7.5	8.8	5.5	0.6	0.1	0	0	0	0	0.1	5.2	5.6	33.4
Cambridge	14	8.6	11.3	6.8	1.6	T.	0	0	0	0	0.4	2.5	5.8	37.0
Chicago	24	10.0	11.7	5.2	0.7	0.1	0	0	0	0	T.	2.3	6.3	36.3
Davenport, Ia	24	8.4	8.1	4.8	0.3	T.	0	0	0	0	0.1	1.8	4.6	28.1
Dixon	17	8.6	8.7	5.3	0.8	0	0	0	0	0	0.2	2.2	6.0	31.8
Dubuque, Ia	25	9.4	8.8	7.6	0.8	T.	0	0	0	0	0.1	2.2	7.9	36.8
Galva	16	8.4	9.5	5.7	1.4	T.	0	0	0	0	0.1	3.3	4.7	33.1
Henry	16	8.2	9.8	6.7	0.6	T.	0	0	0	0	T.	2.2	4.0	31.5
Joliet	15	6.6	9.5	5.6	0.9	0.3	0	0	0	0	0.1	4.2	6.0	33.2
Kishwaukee	15	9.9	11.2	6.1	0.9	0.1	0	0	0	0	0.1	4.6	5.0	37.9
La Grange	16	7.8	11.4	5.2	0.4	0.1	0	0	0	0	0.1	2.7	4.2	31.9
Lanark	18	6.5	6.2	5.2	1.2	0.1	0	0	0	0	0.4	2.4	5.5	27.5
La Salle	4	7.3	7.3	4.7	0.5	0.1	0	0	0	0	T.	0.7	3.0	23.7
Morrison	12	8.8	9.9	4.2	1.2	0	0	0	0	0	0.3	1.2	5.9	31.5
Ottawa	19	8.0	8.9	4.5	0.4	T.	0	0	0	0	T.	2.3	3.8	27.9
Streator	12	6.6	6.9	3.8	0.5	T.	0	0	0	0	0.1	2.9	3.1	23.9
Sycamore	16	7.4	10.0	4.3	0.5	T.	0	0	0	0	0.1	3.8	5.4	31.5
Tiskilwa	14	7.2	9.6	6.1	1.0	0.1	0	0	0	0	T.	3.4	4.4	31.8
Walnut	16	7.6	9.1	5.0	0.7	T.	0	0	0	0	0.1	2.5	3.8	28.8
Winnebago	20	9.7	11.6	8.2	1.4	0.2	0	0	0	0	0.2	4.4	6.5	42.2

Mean temperature.

Aledo	8	24.1	21.6	39.5	49.7	61.2	68.6	74.1	71.8	65.6	53.5	37.4	27.3	49.5
Antioch	7	20.7	19.1	36.5	44.4	57.0	65.4	72.1	69.2	63.8	49.6	37.6	25.7	46.8
Ashton	14	22.1	19.9	34.7	47.8	59.8	67.9	72.8	70.9	64.1	51.5	37.1	24.4	47.8
Aurora	29	20.8	22.4	34.6	48.0	59.2	68.9	73.2	71.0	63.8	51.5	37.2	26.4	48.1
Cambridge	16	22.3	22.1	36.3	50.4	62.4	70.0	75.2	73.1	65.7	53.5	38.4	26.4	49.6
Chicago	36	24.0	25.5	34.9	46.2	56.6	66.5	72.3	71.2	64.8	53.2	39.2	29.3	48.7
Davenport, Ia	35	21.4	24.0	35.5	40.1	61.1	70.2	75.1	72.8	65.4	53.4	38.5	27.6	49.6
Dixon	18	20.5	20.6	34.8	48.7	59.8	69.5	74.0	72.0	64.7	51.7	36.6	25.4	48.2
Dubuque, Ia	35	18.6	21.5	33.6	49.1	60.4	69.2	74.2	71.8	63.9	51.9	36.1	25.1	48.0
Galva	16	22.3	21.0	36.6	49.8	61.2	69.8	74.4	72.5	65.6	53.1	37.6	25.9	49.2
Henry	20	23.1	23.7	36.9	50.0	61.4	70.4	74.4	72.3	65.5	52.6	38.4	28.6	49.8
Joliet	17	24.4	22.6	37.0	48.7	61.0	69.5	73.9	71.7	64.8	52.1	38.8	27.7	49.4
Kishwaukee	20	20.3	20.8	33.8	47.7	58.3	68.5	73.1	70.8	63.6	51.3	36.9	26.2	47.6
La Grange	16	23.0	21.8	35.5	47.5	58.5	68.2	73.1	71.1	64.2	52.1	38.0	26.8	48.3
Lanark	19	20.8	20.6	33.3	47.7	58.9	67.9	72.6	70.2	62.7	50.3	35.9	25.3	47.2
La Salle	33	22.3	25.0	36.8	49.8	60.8	70.1	75.3	72.0	63.9	51.9	37.8	27.5	49.4
Morrison	14	21.2	20.0	35.0	49.3	60.4	68.6	73.3	71.7	64.7	53.1	37.9	25.0	48.4
Ottawa	22	24.0	24.4	37.0	50.6	61.4	70.9	75.2	72.2	65.4	53.2	39.0	29.2	50.2
Streator	15	25.1	22.7	38.5	49.8	61.5	70.5	75.0	72.9	66.6	53.9	39.7	27.9	50.3
Sycamore	28	19.6	20.9	33.1	47.1	58.2	67.8	71.9	69.6	62.6	50.3	35.9	25.6	46.9
Tiskilwa	14	23.6	21.1	36.0	49.1	61.5	69.6	74.0	72.1	65.1	52.6	38.4	26.3	49.1
Walnut	17	23.0	22.2	37.5	51.2	62.3	71.0	75.5	73.5	66.9	54.7	38.7	27.2	50.3
Winnebago	21	20.7	20.0	33.7	47.8	58.3	68.3	72.8	70.7	63.4	51.2	36.0	25.5	47.4

Lowest temperature.

Aledo	8	−20	−30	0	21	27	38	47	45	29	20	6	−17	−30
Antioch	7	−25	−25	4	18	23	36	42	41	30	20	3	−18	−25
Ashton	14	−26	−32	− 3	15	24	35	43	43	20	10	− 2	−23	−32
Aurora	29	−24	−25	−10	15	27	34	40	39	24	12	− 5	−20	−25
Cambridge	14	−25	−25	− 1	15	27	41	50	46	25	14	− 2	−16	−25
Chicago	38	−20	−21	−12	17	27	40	50	47	32	14	− 2	−23	−23
Davenport, Ia	36	−27	−25	− 8	14	29	39	49	44	28	17	−10	−22	−27
Dixon	17	−26	−27	− 2	13	25	34	43	38	23	14	− 4	−16	−27
Dubuque, Ia	35	−32	−31	−12	14	26	39	40	41	24	15	−12	−24	−32
Galva	16	−19	−28	− 4	11	27	34	46	41	23	15	− 4	−18	−28
Henry	20	−26	−27	− 7	11	24	33	41	39	20	11	− 3	−18	−27
Joliet	17	−20	−23	0	14	28	38	43	41	28	17	0	−15	−23
Kishwaukee	14	−21	−26	− 3	15	26	32	40	39	28	13	− 3	−22	−26
La Grange	16	−20	−22	0	15	27	37	43	41	27	14	2	−18	−22
Lanark	19	−25	−29	−11	14	22	31	35	36	14	8	− 7	−24	−29
La Salle	4	− 8	−24	8	23	30	42	49	49	33	24	12	2	−24
Morrison	14	−21	−30	− 4	14	27	37	41	43	19	19	− 4	−22	−30
Ottawa	21	−26	−24	− 2	12	29	37	42	42	26	13	− 4	−14	−26
Streator	15	−18	−26	− 3	18	27	38	43	42	20	15	−11	−13	−26
Sycamore	16	−23	−26	− 1	14	24	37	40	40	22	10	− 2	−19	−26
Tiskilwa	14	−20	−28	− 3	13	27	38	49	48	25	21	− 3	−19	−28
Walnut	16	−21	−26	− 1	13	29	37	44	37	22	17	− 2	−19	−26
Winnebago	20	−23	−26	−15	14	25	32	41	40	18	11	− 6	−21	−26

Prevailing wind direction.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Chicago, Ill	37	sw.	w.	ne.	ne.	ne.	ne.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Davenport, Ia	36	nw.	nw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	sw.	nw.	nw.	nw.
Dubuque, Ia	33	nw.	nw	nw.	nw.	se.	se.	nw.	nw.	s.	nw.	nw.	nw.	nw.
La Salle	4	w.	w.	ne.	w.	ne.	sw.	sw.	sw.	sw.	sw.	w.	w.	sw.

Highest temperature.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Aledo	8	63	63	85	88	90	97	108	95	95	89	81	57	108
Antioch	7	58	52	81	84	90	94	104	97	100	84	70	53	104
Ashton	14	61	58	80	89	91	98	108	98	100	92	76	55	108
Aurora	29	61	64	82	91	94	101	109	99	101	92	76	65	109
Cambridge	14	63	65	84	87	91	98	107	100	98	86	73	58	107
Chicago	38	65	63	80	88	94	98	103	98	98	87	75	68	103
Davenport, Ia	36	63	67	82	87	90	98	106	98	99	90	78	65	106
Dixon	17	62	62	84	90	92	100	108	99	100	95	79	62	108
Dubuque, Ia	35	63	67	86	88	94	99	106	100	97	89	74	67	106
Galva	16	64	66	84	91	93	100	108	99	101	93	75	60	108
Henry	20	65	62	85	90	97	103	111	102	104	92	81	69	111
Joliet	17	63	65	84	90	95	100	104	100	101	96	86	67	104
Kishwaukee	14	60	65	83	88	94	100	108	100	97	88	79	54	108
La Grange	16	62	62	83	92	93	97	104	99	99	87	76	61	104
Lanark	19	62	60	81	88	92	100	107	99	97	90	74	61	107
La Salle	4	63	56	83	81	91	94	96	95	94	85	71	59	96
Morrison	14	65	57	81	88	93	101	111	100	103	89	74	58	111
Ottawa	21	64	65	83	92	99	103	112	103	102	90	76	64	112
Streator	15	64	64	84	92	96	98	107	100	103	92	77	65	107
Sycamore	16	59	59	82	90	94	99	106	99	99	93	71	55	106
Tiskilwa	14	67	59	83	91	100	101	108	99	100	86	74	59	108
Walnut	16	64	64	85	94	95	100	108	103	103	93	75	59	108
Winnebago	20	60	63	81	89	92	99	110	100	98	89	72	62	110

Mean relative humidity.

Chicago	8 a. m.	20	85	84	81	76	76	76	74	74	75	76	80	83	78
	8 p. m.	20	80	80	77	70	69	71	67	69	68	68	73	79	72
Davenport, Ia	8 a. m.	20	84	84	80	75	75	78	77	80	82	81	82	83	80
	8 p. m.	20	77	75	67	56	60	62	58	61	64	62	68	75	65
Dubuque, Ia	8 a. m.	33	78	82	78	74	74	77	78	81	83	81	81	80	78
	8 p. m.	33	75	75	72	63	64	68	66	68	70	69	73	76	70
La Salle	8 a. m.	4	86	84	84	79	76	79	84	86	86	82	84	84	83
	8 p. m.	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Average hourly wind movement (in miles)

Chicago	15	18	18	19	19	17	14	14	14	16	17	18	19	17
Davenport, Ia	36	9	9	10	10	9	7	7	6	7	8	8	8	8
Dubuque, Ia	32	6	6	7	7	6	6	5	5	5	6	6	6	6
La Salle	4	9	10	10	10	9	8	6	6	6	8	8	8	8

FROST DATA.

Stations.	Length of Record, yrs	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Aledo	8	October 13	April 29	September 29	May 11
Antioch	7	October 5	May 4	September 29	May 16
Ashton	14	October 5	April 29	September 28	May 27
Aurora	22	October 6	May 6	September 17	May 31
Cambridge	14	October 10	April 22	September 20	May 14
Chicago	38	October 15	April 16	September 18	May 29
Davenport, Ia	36	October 13	April 22	September 18	May 22
Dixon	17	October 6	April 27	September 19	May 27
Dubuque, Ia	35	October 13	April 21	September 27	May 21
Galva	16	October 10	April 29	September 20	May 31
Henry	20	October 7	May 5	September 19	June 6
Joliet	15	October 9	April 26	September 20	May 21
Kishwaukee	13	October 1	May 4	September 18	June 6
LaGrange	16	October 11	May 1	September 21	May 21
Lanark	21	October 1	May 6	September 12	June 7
La Salle	4	October 13	April 28	October 9	May 11
Morrison	14	October 6	May 1	September 19	May 31
Ottawa	19	October 8	April 26	September 19	May 21
Streator	16	October 8	April 30	September 18	May 30
Sycamore	16	October 1	May 4	September 14	May 27
Tiskilwa	14	October 14	April 28	September 29	May 27
Walnut	16	October 8	April 24	September 20	May 14
Winnebago	20	October 2	May 2	September 18	June 6

HYDROGRAPHIC DATA FOR SECTION 64, SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY, BY R. H. BOLSTER, ASSISTANT ENGINEER.

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D.C.

This section, comprising the northern part of the State of Illinois is drained by eastern tributaries of the Mississippi River and by minor streams flowing into Lake Michigan. The more important streams are Rock River and Illinois River, flowing into the Mississippi.

Rock River rises in the southeastern part of Wisconsin, flows south and southwest and enters the Mississippi just below Rock Island, Illinois. Its length is 286 miles. Of the total drainage area of 11,600 square miles, 5,350 are in Illinois. The length of the basin is 175 miles; its greatest width is near the Wisconsin-Illinois State line where for 20 miles or more, it approaches about 80 miles; above the boundary it approaches 40 or 50 miles in width, while below in Illinois, it narrows rapidly. The total fall of the stream is distributed with comparative uniformity throughout its length and is 340 feet, an average of 1.2 feet per mile. The country drained is undulating and comprises large expanses of unbroken prairie, groves and extensive bodies of timbered swamp and lake. The basin is important for water power developments.

The Illinois River, the most important of all the tributaries of the Upper Mississippi, enters the latter from the east about 24 miles above the mouth of the Missouri. Its drainage area is 29, 000 square miles distributed among three states, Illinois, Wisconsin, and Indiana. The origin of the Illinois is formed by Kankakee River from the east and Fox and Des Plaines rivers from the north. The region drained by the Illinois is level and undulating and includes some of the finest land in the United States. Many large and prosperous cities are situated within it, and it is covered with a network of railroads. The drainage into the Illinois is quite evenly distributed along its course. The more important tributaries are Fox and Spoon rivers from the west and the Kankakee, Vermilion, and Sangamon from the east.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the tables; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile, on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

MONTHLY DISCHARGE OF ROCK RIVER, ROCKTON, ILL.

For period July 1, 1903—Dec. 31, 1907. Omit July, Aug. and Sept. 1906 and Feb., 1907. Drainage area, 6,150 square miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	18,100	2,170	6,120	.995	1.15
February	19,000	2,470	5,920	.963	1.00
March	27,100	3,280	11,700	1.90	2.19
April	20,600	4,560	9,360	1.52	1.70
May	12,300	2,470	4,930	.802	.92
June	8,270	1,540	4,100	.667	.74
July	12,000	1,070	4,250	.691	.80
August	5,550	860	2,950	.480	.55
September	9,900	1,470	3,750	.610	.68
October	9,400	860	3,260	.530	.61
November	6,400	1,470	2,420	.393	.44
December	7,000	1,540	2,750	.447	.52
The period	27,100	860	5,130	.833	11.30

MONTHLY DISCHARGE OF ILLINOIS RIVER, MINOOKA, ILL.

For period April 1, 1903—Dec. 31, 1903; April 1—Nov. 30, 1904; except July and Aug. Drainage area, 6,480 square miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
April	41,900	10,900	21,400	3.30	3.68
May	15,700	7,430	9,820	1.52	1.75
June	13,700	6,320	8,160	1.26	1.41
July	9,520	6,620	7,320	1.13	1.30
August	9,730	6,430	7,220	1.11	1.28
September	15,600	b5,720	7,480	1.15	1.28
October	8,440	6,170	7,150	1.10	1.27
November	8,440	5,870	7,000	1.08	1.20
December	14,200	c6,320	10,600	1.64	1.89
The period					

NOTE.—b, Sept. 3, 30, 1904. c, Dec. 1, 14, 1904.

MONTHLY DISCHARGE OF DES PLAINS RIVER ABOVE MOUTH OF JACKSON CREEK, CHANNAHON, ILL.

For period April 1—Dec—31, 1903 and 1904. Drainage area, 1,170 square miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
April	12,800	5,090	7,200	......	......
May	5,900	5,030	5,420	......	......
June	5,580	4,470	5,170	......	......
July	6,300	4,960	5,340	......	......
August	5,820	4,530	5,290	......	......
September	8,160	4,540	5,480	......	......
October	5,880	4,200	5,150	......	......
November	6,420	4,200	5,290	......	......
December	8,430	4,480	5,970	......	......

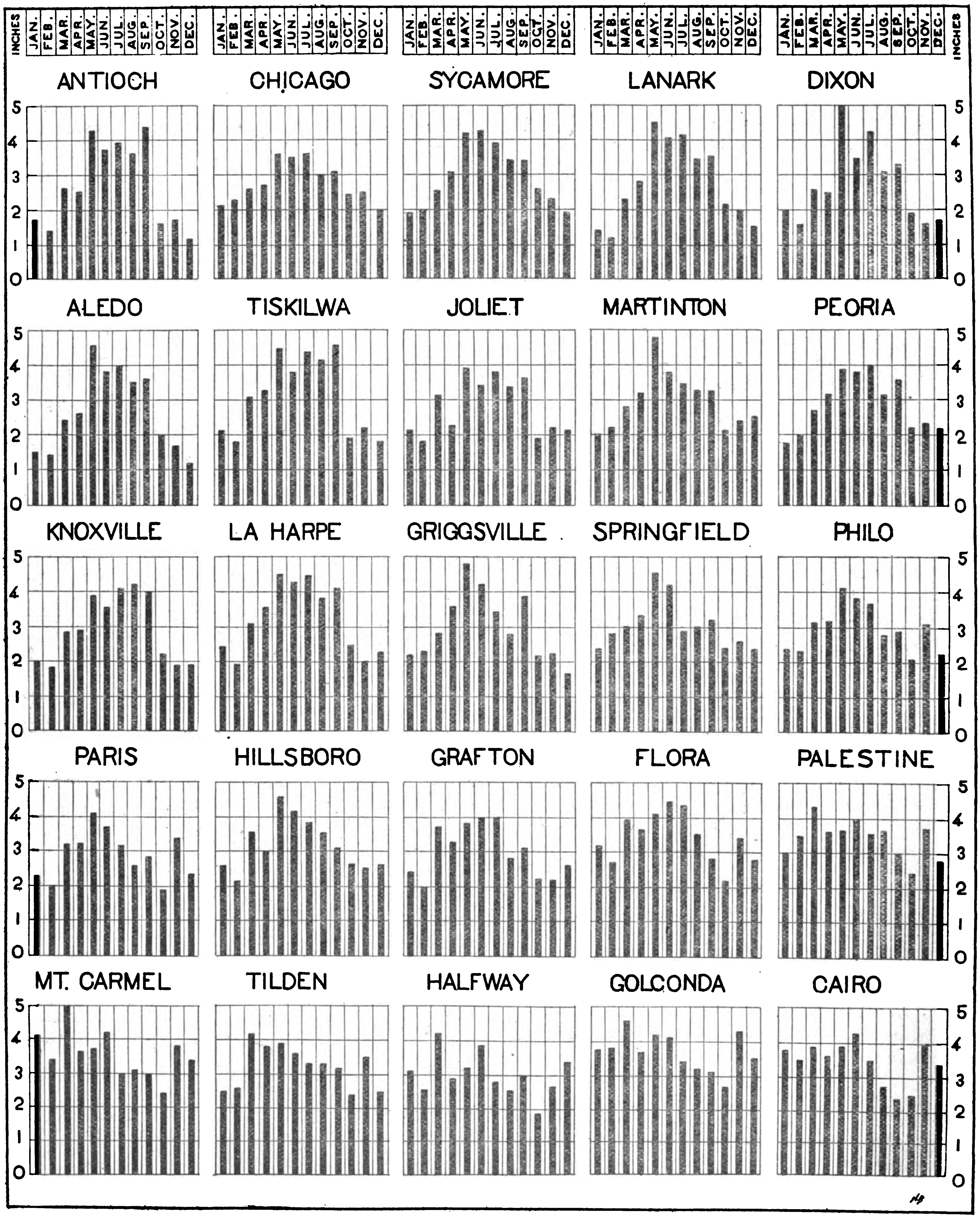


FIG 1.—Diagram showing the comparative monthly distribution of precipitation.

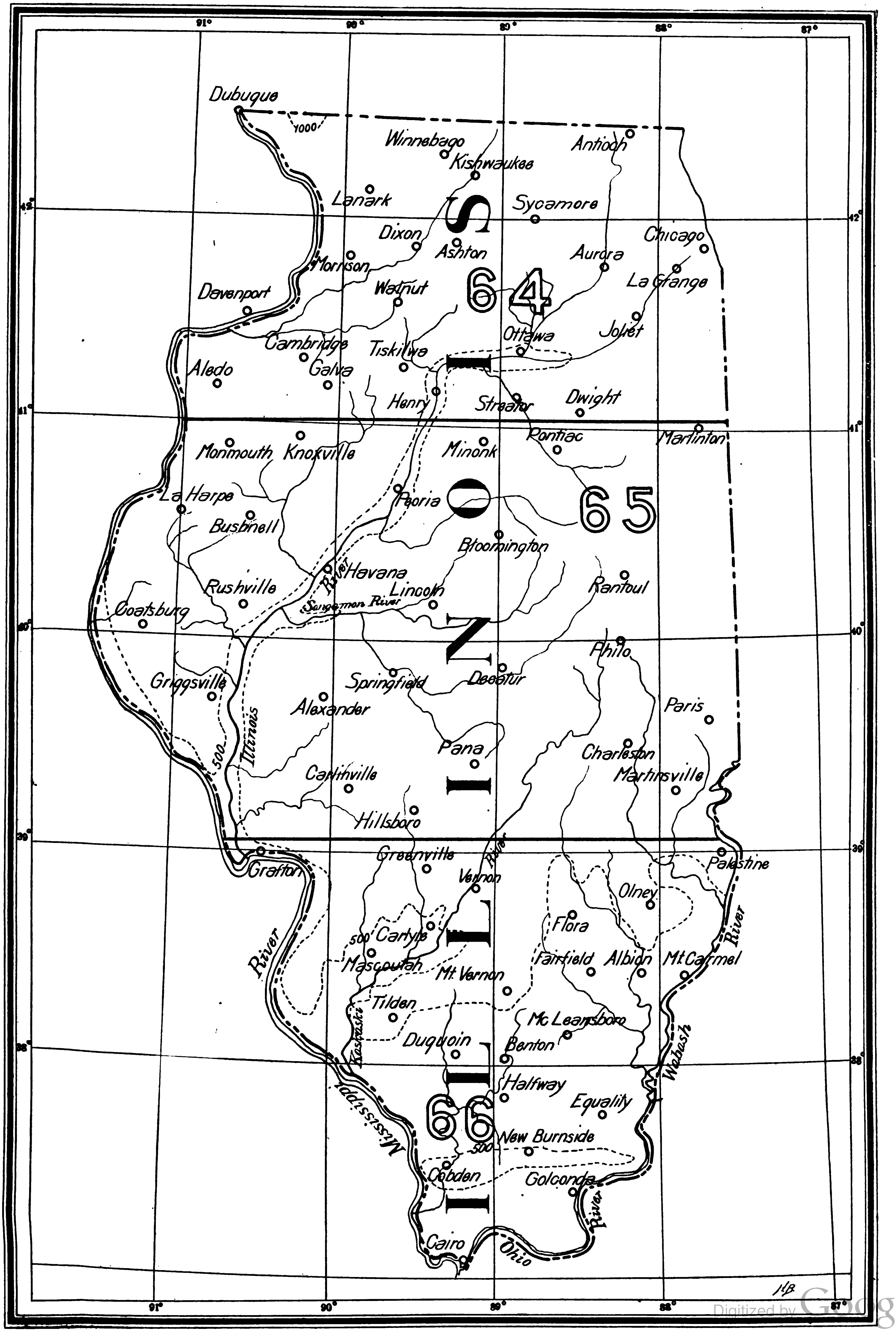


FIG. 2.—Chart showing the boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, in charge.

SECTION No. 65.—CENTRAL ILLINOIS.

The territory covered by this discussion embraces the portion of the State located between the 39th and the 41st parallels. It comprises more than one-third of the total area of the State. The mean elevation of the section above sea-level is about 600 feet. The topography is less diversified than that of the other sections, presenting a series of nearly level or rolling prairies only. The soil, mostly black loam, is of unsurpassed fertility, and nowhere within the corn belt of the United States, does corn grow to greater perfection or yield more plenteously. Second in importance only to corn is the yield of oats. In geologic formation the district is richly endowed, the greatest economic resource consisting of the vast coal measures that underlie most of the territory. These deposits are being worked to a greater or less extent at the present time, but their future development is destined to be vastly more extensive.

The district is traversed by many streams and is well drained. Of the interior streams only the Illinois River is navigable. The volume of the streams has a series of seasonal variations, the order of events being about as follows: The streams are low during the winter, when the precipitation is light and the ground frozen. In the spring, about March or early in April, the thawing of the ground and the greater precipitation often lead to spring freshets. This condition is generally followed by a rise in June, occasioned by heavy rains in that and the preceding months. They usually drop to low stages during the heated term, but rise again in the autumn, as a result of the heavy rains of that period. The water power of most of the streams is of little value on account of poor sites for dams, the great variations of water height, and the slight fall of the streams. Important and valuable fisheries are located on the Illinois River.

CLIMATIC CHARACTERISTICS.

The climate of the section is quite uniform with regard to temperature and rainfall, when comparisons are made between individual localities, the influence of latitude slightly modifying the temperature values, especially during the winter months. The summers are warm and moist and the distribution of rainfall quite equable, producing most favorable conditions for vegetal growth. Droughts at critical periods have occurred and considerable losses have ensued, but the complete failure of any crop is unknown. The annual mean temperature is 52.0°, individual means ranging from 49.4° to 54.0°. A summer maximum temperature of 112° has been registered, and 30° below zero has occurred in the winter. The crop-growing season, the interval between the last killing frost in spring and the first killing frost in autumn, averages about 170 days. The average date of the last killing frost of spring is April 23, and of the first killing frost in autumn, October 11.

The annual precipitation is 35.66 inches, of which 61 per cent occurs during the crop-growing season, from April to September, inclusive. The annual snowfall is 23.5 inches.

WM. G. BURNS,
Section Director.

Precipitation in Central Illinois. Monthly, annual, and average amounts (in inches and hundredths.)

ALEXANDER, MORGAN COUNTY, ILL. Elevation, 670 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
†1887.	0.89	2.48	1.20	1.50	2.96	....	....	....	....	0.30	1.76	3.03	.....
†1888.	2.82	1.82	2.24	1.04	5.54	4.21	6.30	1.53	2.05	2.15	2.00	2.64	34.34
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1895.	....	....	....	....	....	2.43	6.55	1.99	3.82	0.28	2.78	6.82	.....
1896.	1.19	1.69	0.82	2.49	4.27	4.63	7.50	0.89	5.49	1.98	1.09	0.22	32.26
1897.	6.05	0.83	4.42	4.35	3.39	4.52	2.41	2.20	0.24	0.33	3.50	2.42	34.66
1898.	4.21	2.81	5.25	3.15	5.83	5.14	2.28	3.17	5.19	3.80	2.56	1.19	44.58
1899.	0.96	2.19	2.05	1.18	9.15	1.91	1.84	3.92	4.29	3.07	2.31	1.48	34.35
1900.	1.10	3.46	1.47	1.13	2.75	3.09	2.74	3.69	5.29	2.86	3.05	0.24	30.87
1901.	2.33	1.44	2.75	1.34	0.70	2.23	1.44	2.84	1.54	2.00	0.88	2.15	21.64
1902.	0.70	0.97	3.05	3.26	2.19	7.01	3.27	5.38	4.01	2.29	3.08	2.45	37.66
1903.	1.07	2.93	2.67	3.67	3.42	5.20	3.54	2.90	3.57	2.12	0.78	1.09	32.96
1904.	1.74	1.40	4.51	5.26	3.56	4.90	3.74	3.84	3.86	0.27	0.05	0.68	33.81
1905.	2.67	0.88	1.75	1.82	3.51	3.61	4.33	4.58	3.98	3.67	1.43	1.42	33.65
1906.	1.72	2.47	2.98	2.22	4.20	2.98	0.89	5.03	3.23	0.95	3.02	2.84	32.53
1907.	5.26	0.26	4.23	2.53	2.38	2.94	8.57	7.78	1.09	1.55	1.25	2.58	40.42
1908.	1.27	3.07	2.08	4.97	7.78	3.14	2.31	1.21	1.40	0.22	1.81	1.29	30.55
Mns	2.27	1.91	2.76	2.66	4.11	3.86	3.85	3.40	3.27	1.74	1.96	2.03	33.82

† Values for 1887 and 1888 are for Jacksonville, 10 miles distant.

BLOOMINGTON, MCLEAN COUNTY, ILL. Elevation, 840 feet.

1886.	2.00	1.46	1.81	1.87	2.49	3.71	....	1.85	4.35	0.78	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1892.	....	2.31	1.48	6.41	8.27	6.86	4.68	1.16	2.70	1.25	2.62	1.21	.....
1893.	1.36	3.13	3.11	8.34	5.40	0.80	1.16	0.15	2.70	0.74	1.93	1.47	30.29
1894.	2.32	1.93	3.37	2.53	3.21	1.89	1.34	0.91	5.59	†0.50	2.52	1.86	27.97
1895.	1.26	0.39	1.68	2.55	1.13	1.75	6.71	5.12	4.28	0.61	3.74	7.62	36.84
1896.	0.82	2.55	2.11	2.02	6.79	3.90	6.68	4.75	5.40	0.16	2.95	0.53	38.66
1897.	5.41	1.77	4.09	3.92	1.90	3.49	3.91	1.50	2.08	0.48	5.00	2.00	35.55
1898.	4.00	1.77	5.65	2.66	9.42	4.02	4.40	1.85	6.49	4.31	2.28	1.92	48.77
1899.	1.52	2.20	4.72	0.82	4.06	4.05	1.92	2.15	1.98	2.69	1.67	2.15	31.83
1900.	1.23	5.94	2.60	1.85	5.40	2.49	3.38	3.38	1.55	2.62	3.96	0.65	35.05
1901.	1.70	1.84	4.04	0.94	2.09	4.79	1.96	1.07	1.87	2.14	1.11	3.08	26.63
1902.	0.90	1.75	4.45	2.43	2.07	12.45	7.97	5.81	4.91	2.70	2.75	2.24	50.43
1903.	1.31	3.32	3.24	5.76	4.01	3.25	4.63	2.04	2.75	1.48	1.47	2.49	35.75
1904.	3.71	1.35	5.28	4.45	3.20	1.40	3.89	2.95	5.65	0.52	0.19	1.53	34.12
1905.	1.37	1.82	2.18	5.11	5.56	3.44	4.06	2.96	3.59	2.89	2.65	1.89	37.52
1906	2.66	1.57	2.39	2.83	2.88	3.96	1.27	4.30	4.30	1.85	3.80	3.68	35.49
1907.	5.18	0.07	4.50	3.54	2.85	5.74	6.25	6.25	2.69	1.33	2.17	3.10	43.67
1908.	1.20	3.80	3.12	7.78	10.17	1.53	2.10	1.17	0.45	0.50	2.48	1.47	35.77
Mns	2.23	2.16	3.32	3.66	4.76	3.86	3.90	2.74	3.52	1.53	2.55	2.29	36.52

† Estimated from surrounding stations.

CHARLESTON, COLES COUNTY, ILL. Elevation, 720 feet.

1870.	....	....	....	1.92	2.63	2.86	4.40	4.34	0.66	3.46	2.01	1.85	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
*1880.	6.38	6.37	6.00	6.00	7.00	2.75	3.00	3.38	2.50	2.10	2.50	2.70	50.68
1881.	*1.45	*5.25	*3.90	*2.00	*1.38	*5.75	1.12	*0.87	3.95	7.30	8.20	3.50	44.64
1882.	2.90	8.60	5.10	3.81	5.80	7.70	1.82	*5.94	1.60	3.64	2.04	2.80	51.75
1883.	1.20	9.10	*1.28	*3.03	*4.14	*3.94	*4.64	*1.78	*0.80	*9.40	*4.73	*2.26	46.30
*1884.	0.90	5.44	2.75	4.16	5.00	6.87	3.65	2.20	4.70	2.80	1.83	5.45	45.75
1885.	*2.25	2.56	0.25	4.74	3.10	4.98	2.83	6.47	4.49	3.24	2.61	3.34	40.86
1886.	2.80	1.04	3.32	2.73	3.56	2.69	3.66	2.90	4.02	0.74	2.86	1.92	32.24
1887.	1.02	3.80	3.40	2.60	3.51	0.07	0.56	2.30	3.32	0.97	7.06	4.75	33.36
1888.	2.97	2.70	3.12	2.43	4.82	6.77	2.35	3.25	1.42	2.37	4.35	2.43	38.98
1889.	1.80	1.63	1.25	0.90	4.19	†7.50	5.65	1.53	†2.90	2.01	†4.60	†1.00	34.96
1890.	....	3.41	3.37	2.66	3.40	6.75	6.98	1.87	2.22	2.19	1.93	1.13	.....
1891.	0.91	2.82	3.97	2.51	*0.60	*4.25	*1.88	*4.95	1.43	1.47	5.59	1.90	32.28
1892.	1.13	5.65	1.29	10.11	10.90	3.81	3.35	2.72	*1.20	*0.85	*4.75	*0.90	46.66
*1893.	1.08	2.71	....	....	4.60	2.00	4.35	1.21	3.37	....	2.60	0.59	.....
*1894.	1.53	1.46	3.33	1.81	1.02	2.25	3.84	2.23	4.60	0.39	3.24	1.72	27.42
*1895.	0.57	0.71	1.04	2.36	0.73	2.86	3.57	†3.26	†2.74	0.60	2.61	3.36	24.21
1896.	1.02	1.99	1.85	1.30	6.41	8.12	10.04	3.18	6.53	0.49	3.82	1.08	45.83
1897.	4.47	2.28	5.26	6.41	2.93	6.60	1.96	0.39	1.67	0.42	5.42	3.05	40.86
1898.	4.44	1.38	8.90	3.59	4.79	2.79	1.93	3.14	4.46	4.14	1.66	1.80	43.02
1899.	2.97	2.55	2.75	0.67	6.86	2.56	0.71	1.41	0.89	4.13	2.95	2.90	31.35
1900.	0.45	4.52	1.99	1.79	4.00	4.10	*4.76	4.73	3.22	3.63	2.81	1.23	37.23
1901.	1.39	2.30	3.82	*2.18	2.87	*5.95	*1.20	*1.07	*1.46	*3.45	1.62	3.17	30.48
1902.	0.97	1.96	3.67	2.33	3.46	7.78	3.78	4.24	4.98	1.99	2.52	3.94	41.72
1903.	1.68	2.97	1.77	4.41	0.63	5.55	5.32	5.57	1.91	2.68	1.47	2.04	36.03
1904.	3.92	1.20	9.42	4.54	4.80	1.96	3.67	4.93	5.80	0.80	0.18	1.84	43.06
1905.	1.82	1.49	1.80	3.00	4.29	1.78	7.19	1.53	2.31	5.53	1.85	2.36	34.95
1906.	3.31	1.54	4.80	1.32	3.12	2.98	2.92	1.96	4.18	1.41	4.34	3.68	35.56
1907.	4.72	0.34	4.42	2.35	2.79	3.75	7.10	3.59	0.72	2.19	2.60	3.42	37.99
1908.	1.28	5.10	3.05	3.60	6.96	3.42	2.94	0.85	1.10	0.18	3.51	1.38	33.37
Mns	2.19	3.20	3.46	3.15	4.01	4.37	3.70	2.93	2.84	2.57	3.28	2.42	38.12

† Estimated from surrounding stations.

* Values (including all of years 1880, 1884, 1893, 1894, and 1895) are for Mattoon, 11 miles distant.

CARLINVILLE, MACOUPIN COUNTY, ILL. Elevation, 663 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
†1856.	1.50	....	....	....	....	6.56	2.64	5.80	8.50	3.51	1.78	0.80	.....
†1857.	1.23	2.40	1.70	1.40	1.40	2.40	1.00	1.50	0.70	0.40	2.30	1.30	17.73
†1858.	1.80	1.80	1.90	2.10	3.20	3.26	5.35	0.36	1.81	3.80	3.52	2.37	31.27
†1859.	1.97	3.54	....	....	....	....	....	....	....	....	....	....	.....
*	*	*	*	*	*	*		*	*	*	*	*	*
*1883.	1.17	7.42	1.47	4.33	3.80	5.00	5.26	1.37	0.10	6.30	4.07	2.46	42.75
*1884.	2.47	4.11	3.79	2.33	4.27	3.96	2.30	2.56	7.19	2.33	1.86	5.80	42.97
*1885.	5.19	0.87	0.42	4.27	1.98	8.22	2.29	3.96	5.73	4.89	1.35	3.06	42.23
*1886.	6.10	1.39	2.86	....	6.30	7.58	0.16	2.94	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1891.	c0.70	1.93	2.39	2.08	2.56	3.48	1.27	5.34	0.62	0.94	5.25	1.08	27.64
1892.	1.52	3.77	2.42	9.34	9.90	5.72	4.13	1.91	2.23	1.78	4.42	1.69	48.83
1893.	0.37	5.72	3.68	9.23	4.59	4.10	1.84	0.51	2.57	1.69	1.37	1.45	37.12
1894.	3.09	2.77	3.15	3.12	2.33	1.42	1.77	1.20	5.28	1.07	3.46	1.90	30.51
1895.	1.08	1.02	1.60	2.08	1.42	3.16	5.58	2.14	3.43	0.42	2.91	6.75	31.59
1896.	1.28	2.76	1.51	2.48	8.11	6.60	6.53	4.63	3.87	1.35	2.01	0.43	41.56
1897.	3.91	1.62	6.72	5.85	2.66	3.91	3.33	1.65	T.	0.21	5.06	2.89	37.81
1898.	4.98	1.96	7.49	4.30	7.58	3.66	3.68	2.68	5.39	4.60	2.63	2.16	51.11
1899.	1.79	2.30	3.24	1.27	7.01	1.71	2.54	6.48	2.29	3.91	2.30	2.38	37.22
1900.	0.61	4.70	1.72	1.36	4.85	4.88	5.99	1.42	5.03	2.42	2.43	0.95	36.36
1901.	1.70	1.81	4.15	2.56	0.86	3.65	0.72	1.83	0.83	2.63	1.49	4.54	26.77
1902.	1.14	0.86	4.18	2.44	3.37	10.82	1.82	5.43	3.76	3.06	3.23	3.39	43.50
1903.	1.57	3.76	2.18	5.62	3.17	3.75	3.89	3.38	3.69	1.50	0.54	1.75	34.80
1904.	2.64	1.09	8.60	6.88	2.93	3.86	9.51	3.57	4.11	0.43	0.08	1.02	44.72
1905.	2.39	1.17	2.04	3.68	4.26	1.20	7.44	4.65	3.88	5.14	1.68	2.18	39.71
1906.	3.12	3.06	4.20	2.60	2.33	2.17	7.73	5.86	4.96	1.97	3.94	2.57	44.51
1907.	5.57	0.57	2.67	3.21	4.36	5.01	5.59	3.77	0.63	1.52	1.78	2.45	37.13
1908.	1.56	4.81	2.41	5.11	9.08	3.42	2.36	1.35	2.28	0.23	3.37	1.70	37.68
Mns	2.32	2.69	3.19	3.81	4.26	4.38	3.79	3.05	3.29	2.34	2.62	2.42	38.16

† Data for 1856 to 1859, inclusive, are from Brighton, 21 miles distant.

* Data for 1883 to 1886, inclusive, are from Bunker Hill, 17 miles distant.

c Interpolated from surrounding stations.

COATSBURG, ADAMS COUNTY, ILL. Elevation, 738 feet.

1864.	2.70	0.53	1.53	10.00	5.00	4.00	1.50	3.00	3.50	4.00	3.01	5.65	44.42
1865.	0.15	3.45	4.55	5.03	0.37	8.12	10.00	1.37	7.00	3.01	0.12	1.25	44.42
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1870.	....	....	....	....	1.30	2.18	6.00	6.70	7.30	4.90	1.51	1.60	.....
1871.	3.80	2.80	4.80	3.00	4.60	4.00	2.80	5.20	2.60	7.60	4.03	1.60	46.83
1872.	1.20	1.96	5.03	....	....	....	....	....	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1886.	....	1.88	1.98	1.87	4.00	4.10	0.08	5.53	6.60	1.30	1.50	0.80	.....
1887.	1.45	3.55	0.87	2.43	....	2.82	2.66	1.07	....	0.81	1.59	....	.....
1888.	2.99	2.22	4.24	....	....	....	....	....	....	....	....	....	.....
1889.	....	....	....	....	8.25	3.48	3.70	1.05	....	3.95	....	....	.....
1890.	1.21	1.21	....	....	....	....	....	....	....	....	....	1.08	.....
1891.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1892.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1893.	....	....	....	....	....	1.74	....	....	....	....	....	....	.....
1894.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1895.	....	....	....	....	....	....	5.88	4.90	2.29	0.34	3.36	3.48	.....
1896.	1.00	....	0.94	....	....	....	....	....	4.46	1.65	1.82	0.66	.....
1897.	6.70	0.87	4.16	4.09	1.75	4.31	7.85	1.22	0.34	0.53	3.10	2.26	37.18
1898.	3.71	2.26	7.09	4.83	6.63	5.43	3.09	2.11	8.89	2.80	2.89	1.53	51.26
1899.	†0.46	1.80	2.50	1.34	8.19	2.25	3.31	4.95	2.53	3.13	2.66	1.32	34.44
1900.	2.25	5.73	0.45	1.26	4.79	1.45	1.57	3.29	4.04	4.07	0.91	0.31	30.12
1901.	1.70	1.07	3.09	2.42	0.45	6.66	2.38	0.32	2.51	0.94	1.62	2.27	25.43
1902.	0.48	1.11	4.31	2.77	4.10	9.90	3.87	4.53	2.01	2.21	2.85	2.80	40.94
1903.	1.28	1.95	2.54	5.15	3.68	4.50	2.24	4.23	4.42	1.77	0.88	1.17	33.81
1904.	3.42	1.20	3.77	6.44	5.27	6.21	3.93	4.65	8.38	0.16	0.36	1.67	45.46
1905.	1.19	0.95	1.53	2.42	3.04	4.55	4.09	2.95	5.88	3.98	1.93	1.29	33.80
1906.	3.00	2.19	2.40	2.95	2.08	4.02	2.26	5.68	5.56	0.82	1.86	1.54	34.36
1907.	5.42	T.	3.63	2.59	2.14	4.30	6.38	7.12	1.92	1.25	1.49	1.75	37.99
1908.	0.97	3.28	0.73	3.03	6.40	5.90	5.89	2.25	2.31	0.97	3.80	0.80	36.33
Mns	2.37	2.00	3.01	3.62	4.00	4.50	3.97	3.61	4.34	2.39	2.06	1.74	37.61

† Estimated from surrounding stations.

Values for 1864 and 1865 are for York Neck.

Values for 1870 to 1872, inclusive, are for Quincy.

Values for 1886 to 1888, inclusive, are for Payson.

Values for 1889 and 1890 are for Quincy.

Value for June 1893 is for Liberty.

Values for 1895 to 1908, inclusive, are for Coatsburg. All stations are in the same county.

BUSHNELL, MCDONOUGH COUNTY, ILL. Elevation, 662 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	....	....	....	....	....	....	....	....	2.11	1.19	2.55	1.63	.....
1893.	0.68	1.47	2.11	6.80	4.36	2.15	2.59	4.89	3.17	T.	1.92	1.34	31.48
1894.	1.05	1.40	2.28	2.46	2.23	4.69	0.66	0.92	6.86	1.37	2.12	1.15	27.19
1895.	1.62	0.26	0.69	3.54	2.72	1.94	6.28	3.33	6.50	0.71	3.20	....	.....
1896.	1.00	1.40	0.43	3.45	4.44	2.58	8.34	3.34	6.96	1.65	1.67	0.22	35.48
1897.	5.20	0.69	4.43	3.90	1.11	2.82	4.68	0.53	1.16	0.21	2.77	1.69	29.19
1898.	3.58	1.64	5.90	....	....	....	....	....	6.23	2.67	2.37	0.55	.....
1899.	0.66	2.07	2.92	3.69	7.68	3.94	2.44	4.33	3.83	2.61	1.40	1.20	36.77
1900.	2.20	....	1.50	1.94	4.12	1.53	2.70	4.04	5.15	2.90	1.40	0.07	.....
1901.	0.87	1.10	2.85	0.13	0.70	3.11	4.24	1.20	2.60	0.70	1.60	1.50	20.60
1902.	....	....	....	....	1.70	6.90	4.50	a7.88	a3.06	a2.42	a1.71	a2.39	.....
1903.	a0.88	a1.48	a2.42	a3.87	3.26	1.43	1.70	5.20	4.80	2.43	1.37	a0.87	29.71
1904.	3.45	0.40	4.02	3.04	2.35	3.70	7.27	3.63	2.89	0.44	0.00	1.05	32.24
1905.	0.85	1.60	2.28	4.12	3.99	†7.03	3.03	1.85	5.99	3.89	2.25	1.31	38.19
1906.	2.44	2.00	4.66	2.95	2.23	2.03	1.08	1.32	5.72	1.36	1.80	2.30	29.89
1907.	3.81	0.00	4.20	3.17	2.62	3.23	7.16	5.62	1.34	0.45	1.17	1.51	34.30
1908.	0.26	2.54	1.88	1.86	8.05	3.57	3.61	1.38	0.96	0.75	3.01	0.13	28.00
Mns	1.90	1.29	2.84	2.99	3.44	3.38	4.02	3.30	4.08	1.51	1.90	1.18	31.83

† Values for Colchester, 18 miles distant.
a Values for Fandon, 18 miles distant.

DECATUR, MACON COUNTY, ILL. Elevation, 685 feet.

1870.	2.85	0.95	2.97	1.50	0.80	1.50	1.50	4.00	2.60	3.30	1.68	2.25	25.90
1871.	4.60	1.65	3.05	....	2.35	1.90	1.85	1.05	0.25	2.50	1.95	1.15	.....
1872.	1.10	1.25	2.32	2.00	2.85	7.50	4.60	1.55	2.61	....	0.90	1.45	.....
1873.	3.30	2.65	0.65	6.40	2.95	1.65	3.80	....	2.90	1.95	2.40	2.75	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1886.	2.50	0.90	2.60	1.60	3.80	6.40	0.30	5.80	5.70	0.20	2.20	0.85	32.85
1887.	....	....	....	....	....	....	....	1.95	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1892.	....	....	....	4.20	5.24	....	3.11	1.84	2.95	T.	5.46	T.	.....
1893.	0.95	....	3.82	....	....	....	....	....	....	....	....	1.41	.....
1891.	1.83	2.39	2.79	3.06	1.90	2.23	2.33	1.64	2.94	0.42	1.77	2.65	25.95
1895	1.19	0.94	1.18	2.75	1.07	4.40	3.42	1.35	4.47	0.55	3.12	6.47	30.91
1896.	0.97	2.91	1.44	1.56	4.75	4.00	7.12	3.00	5.80	0.66	2.81	0.32	35.34
1897.	3.83	1.23	5.08	3.87	3.21	4.22	3.03	1.40	0.41	0.28	4.57	2.54	33.67
1898.	5.18	2.71	9.85	3.36	5.74	2.39	1.07	2.16	5.47	5.34	2.96	1.68	47.91
1899.	1.89	2.43	2.58	0.59	7.01	2.11	1.02	2.56	1.50	4.20	2.01	2.37	30.27
1900.	0.59	5.89	1.84	1.46	4.78	4.18	7.40	4.71	4.34	1.33	3.48	0.92	41.32
1901.	1.78	1.17	3.23	1.98	2.00	5.33	0.49	0.86	1.27	3.18	1.54	4.43	27.26
1902.	1.06	1.42	3.93	2.26	2.80	9.03	2.43	7.01	4.98	2.08	2.45	3.83	43.28
1903.	1.60	4.13	2.48	4.84	3.66	2.61	4.57	5.16	2.67	4.07	1.74	2.16	39.69
1904.	2.73	1.33	7.29	3.39	2.67	2.18	4.44	5.55	9.48	0.18	0.07	1.84	41.15
1905.	2.02	1.72	1.56	3.11	4.54	1.69	3.82	1.44	3.05	4.76	1.70	1.90	31.31
1906.	3.04	1.90	4.93	3.02	6.73	1.78	3.45	5.35	3.47	2.46	4.63	3.51	44.27
1907.	7.47	0.30	4.75	2.94	2.89	4.29	7.03	7.36	2.08	1.01	2.07	2.89	45.08
1908.	1.64	4.29	3.87	4.54	10.23	3.81	2.25	1.25	1.27	0.71	2.09	1.67	37.62
Mns	2.48	2.11	3.44	2.92	3.90	3.66	3.29	3.19	3.34	1.96	2.46	2.23	34.98

GRIGGSVILLE, PIKE COUNTY, ILL. Elevation, 650 feet.

1882.	1.32	1.00	3.50	4.00	6.50	7.37	3.00	2.37	1.62	4.12	2.62	1.62	39.04
1883.	1.00	5.50	1.50	4.00	3.37	6.87	2.25	1.75	0.87	6.37	3.25	0.75	37.48
1884.	1.25	2.37	....	2.50	4.37	5.25	2.37	3.12	3.24	4.25	1.87	2.50	.....
1885	2.12	0.87	0.62	6.00	2.62	4.50	0.87	2.62	5.75	2.75	1.50	1.75	31.97
1886.	2.71	2.50	1.50	2.37	2.60	4.42	0.20	3.08	6.36	0.77	2.10	0.66	29.27
1887.	1.40	4.62	1.57	2.36	2.89	1.97	2.72	0.61	4.36	0.52	2.32	4.05	29.39
1888.	3.11	2.40	3.84	1.25	7.83	9.77	6.81	2.86	4.00	1.88	4.30	2.47	50.52
1889.	2.84	2.40	1.05	*2.30	9.38	4.93	2.87	0.76	4.56	4.47	1.12	2.02	38.70
1890.	3.31	1.43	2.75	2.85	3.31	5.32	1.47	1.85	2.47	1.48	1.40	0.28	27.92
1891.	0.87	3.52	2.25	3.61	2.42	1.76	0.98	1.75	1.53	2.11	4.15	0.87	25.82
1892.	2.05	3.73	2.67	6.97	8.93	1.85	5.94	0.85	3.46	1.52	3.20	0.92	42.09
1893.	0.42	2.82	6.22	7.69	5.65	3.80	3.38	0.35	1.37	0.33	1.25	1.38	34.66
1894.	2.06	2.36	2.15	2.85	2.30	2.97	0.78	1.19	2.78	0.78	1.48	1.32	23.02
1895.	1.36	0.22	3.15	2.35	2.46	3.94	6.25	2.63	3.51	0.35	2.95	6.21	35.38
1896.	1.50	2.16	0.56	3.05	8.10	3.29	8.10	2.72	9.32	1.60	1.65	0.38	42.43
1897.	6.74	1.39	4.20	4.25	2.91	5.45	4.50	2.16	0.46	0.25	3.38	2.34	38.03
1898.	4.46	2.19	5.78	4.95	8.30	4.94	3.56	4.49	6.83	3.01	3.66	0.97	53.14
1899.	0.42	1.54	3.81	1.80	13.10	1.97	3.16	4.43	3.79	3.33	2.16	1.27	40.78
1900.	1.78	6.01	1.54	1.81	4.20	2.40	3.59	1.81	5.50	2.80	1.66	0.45	33.55
1901.	2.06	1.51	3.25	1.46	0.46	3.55	2.74	0.22	3.65	1.80	0.77	2.82	24.29
1902.	0.56	1.53	2.67	3.99	4.21	7.33	2.89	7.20	3.36	2.58	3.74	2.65	42.71
1903.	1.30	2.62	3.20	4.59	3.34	3.14	2.10	4.52	4.89	2.53	0.68	1.05	33.96
1904.	3.93	1.60	5.60	5.92	5.86	5.05	5.09	5.41	6.26	0.50	0.15	1.02	46.39
1905	1.60	1.50	1.45	2.85	2.67	1.60	2.95	4.67	5.25	4.27	1.95	1.69	32.45
1906.	2.74	2.26	3.05	2.71	2.83	2.74	0.85	4.40	6.56	1.98	2.70	2.65	35.47
1907.	5.38	0.49	3.27	3.25	3.35	5.00	5.82	6.97	2.24	1.70	1.80	0.52	39.79
1908.	1.05	2.75	1.94	5.66	5.60	3.69	6.53	1.30	0.88	0.10	1.41	1.28	32.19
Mns	2.20	2.34	2.81	3.61	4.80	4.25	3.40	2.82	3.88	2.15	2.19	1.70	36.15

* Interpolated from surrounding stations.

HANNIBAL, MARION COUNTY, MO. Elevation, 534 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	....	....	....	....	8.28	1.69	3.69	0.92	2.36	0.67	3.17	1.63	.....
1893.	0.54	2.12	2.64	6.06	7.04	5.19	1.50	0.54	1.47	0.50	1.25	0.37	29.22
1894.	2.29	2.51	1.77	1.74	2.93	2.52	1.07	1.03	2.40	1.22	1.77	1.24	22.59
1895.	1.57	0.39	1.77	1.95	6.23	3.92	8.01	4.86	2.69	0.36	4.40	5.98	42.13
1896.	1.54	1.74	0.92	2.83	7.14	2.40	9.44	1.58	3.54	1.72	1.73	0.65	35.23
1897.	6.36	1.54	4.30	3.96	1.13	6.08	8.04	2.48	0.30	0.45	2.07	1.86	38.57
1898.	3.64	1.60	6.41	3.48	6.90	4.83	4.20	1.05	8.86	2.94	2.58	1.12	47.61
1899.	0.56	2.05	2.66	1.95	6.75	2.79	5.49	7.33	2.91	1.57	1.83	1.26	37.15
1900.	1.69	3.87	1.16	1.34	5.65	1.75	1.79	1.86	4.57	3.88	1.27	0.33	29.16
1901.	1.85	1.32	2.78	1.55	1.65	2.48	1.95	0.89	1.83	0.86	0.74	1.82	19.72
1902.	0.78	0.68	2.95	2.99	4.83	6.22	2.96	4.02	2.36	2.94	2.53	1.76	35.02
1903.	1.98	2.70	2.37	4.96	5.24	2.59	2.86	5.14	4.71	1.65	1.28	0.93	36.41
1904.	2.81	1.12	3.82	5.35	5.84	5.21	3.26	8.23	5.63	0.61	0.26	1.15	43.29
1905.	1.45	1.39	1.52	4.07	2.30	1.54	4.33	4.61	6.40	3.38	1.34	1.23	33.56
1906.	2.28	2.08	2.57	2.77	3.54	3.26	0.90	4.90	5.72	0.61	2.97	1.88	33.48
1907.	5.17	0.25	2.67	2.92	2.09	3.31	6.21	6.27	0.92	2.74	1.22	1.75	35.52
1908.	1.04	4.05	0.94	3.64	4.60	6.27	1.48	2.94	3.31	0.43	2.52	1.13	32.35
Mns	2.22	1.84	2.58	3.22	4.83	3.65	3.95	3.45	3.53	1.56	1.94	1.53	34.40

HILLSBORO, MONTGOMERY COUNTY, ILL. Elevation, 675 feet.

1895.	....	....	....	....	1.72	2.47	6.31	3.24	2.83	0.63	3.28	5.44	.....
1896.	0.73	2.43	1.23	1.98	6.62	3.14	4.15	2.08	4.80	1.74	2.58	0.77	32.25
1897.	4.02	2.02	6.04	4.07	1.59	3.93	5.16	1.16	T.	0.25	5.80	2.82	36.86
1898.	5.51	3.07	7.78	3.80	7.45	3.39	5.33	2.69	5.56	5.13	2.32	2.00	54.03
1899.	1.83	2.51	3.54	1.29	7.28	2.84	2.18	7.49	1.59	3.67	2.45	3.48	40.15
1900.	0.52	4.60	1.70	1.31	5.14	6.10	2.96	0.42	3.27	3.02	2.78	0.95	32.76
1901.	1.92	1.98	3.05	2.15	1.46	2.54	1.93	4.26	1.03	2.31	1.72	3.66	28.01
1902.	0.82	0.89	4.95	2.79	3.31	8.93	1.39	5.71	5.32	2.52	3.34	4.00	43.97
1903.	1.19	3.16	2.22	3.57	2.83	4.26	2.56	5.63	1.87	1.78	0.61	3.05	32.73
1904.	3.15	0.90	6.53	5.05	4.14	4.54	5.38	4.41	5.44	0.62	0.09	1.01	41.26
1905.	2.98	0.86	1.63	3.21	4.67	1.96	5.32	2.53	3.16	9.72	1.65	2.15	39.84
1906.	3.56	2.42	4.47	2.08	3.15	4.85	0.50	2.37	5.83	1.65	4.25	2.02	37.15
1907.	4.89	0.55	1.90	2.78	7.00	4.88	7.53	5.81	0.96	3.90	1.77	3.36	45.33
1908.	2.09	4.76	2.10	5.03	8.28	4.53	2.52	0.78	1.54	0.10	1.85	1.62	35.20
Mns	2.55	2.21	3.63	3.01	4.62	4.17	3.80	3.47	3.09	2.65	2.46	2.60	38.26

KNOXVILLE, KNOX COUNTY, ILL. Elevation, 775 feet.

†1861.	....	2.76	3.22	3.60	2.65	3.71	3.56	1.52	6.00	4.35	0.98	1.70	.....
1862.	3.47	0.44	2.38	4.78	3.27	5.71	5.58	5.67	5.58	0.96	2.03	2.88	42.75
1863.	2.85	2.66	1.80	....	3.62	....	0.74	1.80	1.85	4.74	0.34	2.41	.....
1864.	1.23	0.57	3.14	4.02	1.80	4.08	3.40	2.22	2.16	2.60	2.96	4.55	32.73
1865.	0.30	2.69	3.52	4.65	1.58	3.94	6.74	4.70	5.08	2.39	0.00	0.70	36.29
1866.	2.75	0.98	1.87	2.52	1.14	0.88	4.64	4.82	8.38	2.00	0.41	1.58	31.97
1867.	0.45	2.36	1.92	1.16	6.38	3.13	0.41	3.21	0.94	0.91	1.40	0.96	23.23
1868.	0.30	0.50	5.40	5.74	6.74	1.22	1.79	3.51	5.28	....	3.74	1.00	.....
1869.	1.62	2.30	1.30	1.01	3.18	8.54	9.00	6.31	1.06	1.54	2.80	1.22	39.88
1870.	0.63	0.30	3.86	0.60	1.35	1.27	1.10	3.70	3.96	4.46	0.60	1.08	22.91
1871.	2.80	1.50	2.05	2.64	2.72	3.41	3.51	6.46	0.90	3.80	1.94	2.60	34.33
1872.	....	....	1.70	2.25	2.34	4.80	....	....	....	....	....	....	.....
1873.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1874.	....	....	....	....	....	....	....	6.65	8.00	1.27	2.76	1.03	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
†1885.	....	....	0.20	3.56	2.57	3.40	3.13	7.40	4.15	3.69	0.91	3.75	.....
1886.	3.05	2.00	4.50	2.68	8.15	3.40	1.00	3.37	5.03	3.35	1.51	1.02	39.06
1887.	3.20	6.55	1.25	1.55	3.60	3.00	6.60	3.95	....	2.75	2.05	3.60	.....
1888.	1.45	2.50	3.75	1.62	7.90	4.10	3.60	5.25	1.65	3.45	4.15	2.85	42.27
1889.	1.73	1.30	1.35	4.30	3.90	4.13	2.00	0.50	2.35	1.65	3.20	1.90	28.31
*	*	*	*	*	*	*	*	*	*	*	*	*	*
†1895.	1.85	0.39	1.45	3.61	3.62	1.40	8.81	2.54	6.10	1.00	3.51	5.13	39.41
1896.	1.15	1.40	1.57	3.62	4.19	3.65	7.25	4.91	5.28	2.06	2.30	0.38	37.76
1897.	6.32	0.98	5.67	4.18	1.20	2.38	4.45	1.01	2.05	0.20	2.47	1.47	32.38
1898.	5.30	1.86	5.90	3.85	7.98	5.02	0.97	10.18	5.69	2.48	2.67	0.83	52.73
1899.	0.42	1.74	3.01	1.55	6.87	2.00	2.71	1.14	2.95	2.48	1.42	2.64	28.93
1900.	1.95	3.66	3.20	1.22	3.97	0.42	3.21	4.23	3.86	2.94	2.28	0.45	31.39
1901.	1.11	1.07	2.55	1.14	1.25	3.17	2.51	0.65	2.40	0.91	1.15	0.89	18.80
1902.	0.52	1.42	3.66	2.22	3.70	9.63	8.07	7.90	4.04	3.27	2.00	2.07	48.50
1903.	1.10	1.72	2.95	5.62	4.57	2.43	1.53	6.40	2.45	2.20	1.08	0.98	33.03
1904.	3.06	0.74	3.58	2.32	3.81	3.50	7.87	3.05	5.54	0.10	0.20	1.77	35.54
1905.	1.07	1.13	1.96	5.38	3.38	4.26	4.59	4.37	2.08	2.69	2.30	1.78	34.99
1906.	3.30	2.13	3.51	2.52	2.60	2.50	3.08	2.83	4.30	1.46	2.65	1.81	32.69
1907.	....	0.07	....	0.29	2.29	....	5.92	5.84	2.08	0.11	1.32	....	.....
1908.	0.99	4.39	2.78	2.19	9.55	2.53	4.10	3.81	1.39	1.38	3.24	1.36	37.71
Mns	2.00	1.80	2.83	2.88	3.93	3.50	4.06	4.19	3.75	2.24	1.95	1.88	35.01

† Values from 1861 to 1874, inclusive, are for Galesburg; those from 1885 to 1889, inclusive, are for Oneida; and those for 1895 to 1908, inclusive, for Knoxville. Galesburg is 6 miles from Knoxville. Oneida is 12 miles from Knoxville.

HAVANA, MASON COUNTY, ILL. Elevation, 475 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1870.	....	....	....	....	....	....	....	....	3.36	3.95	2.50	1.71	.....
1871.	4.28	1.60	4.25	2.05	1.00	3.05	5.25	2.15	....	3.05	1.95	2.45	.....
1872.	0.50	1.60	2.48	2.03	2.13	9.83	4.78	1.13	4.35	0.84	2.02	1.61	33.30
1873.	5.00	1.83	0.99	6.20	5.58	1.24	5.50	0.89	5.69	3.17	1.68	7.72	45.49
1874.	2.61	1.87	1.22	2.96	2.42	2.71	2.33	6.48	2.42	1.27	3.20	0.93	30.42
1875.	0.37	2.54	4.14	2.44	4.74	4.83	8.57	1.30	5.84	2.80	0.81	2.08	40.46
1876.	0.82	1.41	7.03	2.69	4.35	5.60	9.61	3.06	7.00	1.55	2.20	0.20	45.52
1877.	0.81	0.10	5.29	3.01	2.65	9.13	2.17	2.92	2.20	6.90	4.70	4.45	44.33
1878.	1.28	3.56	2.95	....	....	....	....	....	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1892.	1.65	1.98	1.54	4.84	7.69	3.02	2.29	....	3.01	0.98	3.25	1.42	.....
1893.	0.79	3.49	2.94	7.95	5.48	2.00	4.25	0.73	2.34	0.22	0.76	2.06	33.01
1894.	2.08	2.32	2.13	1.68	2.23	3.26	1.04	1.84	3.67	1.11	1.98	1.97	25.31
1895.	1.36	0.32	1.04	2.68	1.51	1.91	4.89	4.53	4.34	0.41	3.80	6.03	32.82
1896.	1.21	2.13	0.98	3.15	4.31	3.25	4.87	3.36	5.30	0.58	1.84	0.33	31.31
1897.	6.66	1.32	4.53	3.74	1.08	3.58	5.22	1.22	0.51	0.08	3.41	1.82	33.17
1898.	4.64	2.08	4.84	2.90	7.63	4.58	2.49	2.78	6.92	2.55	2.24	1.45	45.10
1899.	0.77	2.21	3.39	1.26	7.31	2.24	7.11	3.26	4.18	3.34	2.41	2.73	40.21
1900.	1.88	5.54	0.72	1.01	1.33	3.48	4.13	9.02	2.65	2.00	1.57	0.40	33.73
1901.	2.54	1.09	7.30	0.89	0.66	5.02	1.85	1.04	1.61	0.66	0.50	0.73	23.89
1902.	0.85	1.42	4.31	2.70	2.57	....	....	....	....	....	....	....	.....
1903.	....	...	....	....	....	2.55	3.02	5.48	5.66	2.18	0.89	1.35	.....
1904.	3.11	1.46	4.32	4.03	4.19	3.40	4.50	2.50	3.02	0.31	0.17	1.26	32.27
1905.	1.60	2.20	1.69	3.91	2.69	2.71	2.58	4.42	4.69	2.91	2.54	1.72	33.66
1906.	1.69	1.37	2.94	3.26	1.84	2.73	1.78	3.51	5.24	0.85	2.37	1.53	29.11
1907.	6.79	0.22	2.54	3.11	2.54	3.89	6.23	6.73	1.53	0.59	1.59	2.41	38.17
1908.	0.55	4.35	1.06	4.33	8.73	4.45	2.94	1.67	0.74	0.53	2.01	1.17	32.53
Mns	2.24	2.00	3.11	3.17	3.68	3.85	4.23	3.18	3.71	1.78	2.10	2.06	35.11

LINCOLN, LOGAN COUNTY, ILL. Elevation, 482 feet.

1888.	1.40	1.45	3.41	1.51	8.16	2.46	3.75	2.85	1.60	2.51	2.61	2.37	34.08
1889.	1.72	1.88	1.61	0.95	4.19	7.07	4.71	0.30	4.81	1.70	4.10	1.50	34.54
1890.	4.35	1.36	1.99	2.71	2.56	3.70	2.50	2.90	0.80	2.90	1.10	0.20	27.07
1891.	1.69	4.51	3.20	3.46	1.05	3.36	3.25	6.06	0.15	0.73	4.52	1.43	33.41
1892.	1.45	1.86	1.58	....	....	5.93	....	....	....	....	....	....	.....
1893.	....	....	....	....	....	3.41	2.05	0.35	2.25	1.11	1.64	1.30	.....
1894.	2.79	2.62	3.23	2.60	2.88	1.91	3.27	1.51	4.06	0.81	1.50	2.43	29.61
1895.	1.25	1.14	2.01	1.60	1.32	2.84	4.30	1.47	3.75	0.31	2.67	7.42	30.08
1896.	1.32	2.22	1.14	2.31	2.89	4.74	8.14	1.95	5.06	0.43	1.95	0.51	32.66
1897.	5.19	1.50	3.82	2.98	1.47	4.17	3.10	1.42	1.21	0.37	3.84	2.35	31.42
1898.	4.78	2.20	9.90	2.47	5.04	3.71	0.56	2.77	5.14	4.79	2.26	1.50	45.12
1899.	1.21	2.13	2.86	0.72	9.83	1.49	2.30	3.35	2.11	3.04	1.97	1.93	32.94
1900.	0.31	5.27	1.22	1.19	2.66	3.96	5.76	6.88	4.24	2.96	4.04	0.68	39.17
1901.	1.96	1.36	3.68	1.36	2.24	7.76	1.67	1.17	2.60	1.98	1.07	2.47	29.32
1902.	0.67	1.40	4.15	3.34	1.33	8.46	3.34	5.64	4.13	2.24	2.62	2.21	39.53
1903.	1.18	3.06	1.42	5.10	4.09	1.98	2.24	3.13	3.07	3.67	1.19	1.70	31.83
1904.	2.74	1.00	5.53	5.61	2.81	3.44	2.22	4.32	8.73	0.50	0.02	1.03	37.95
1905.	2.06	1.37	1.53	3.99	3.23	2.11	3.64	1.41	3.33	2.80	1.34	1.74	28.55
1906.	....	2.10	2.90	2.45	2.30	2.12	0.61	2.72	3.72	1.11	3.58	3.26	.....
1907.	5.99	0.24	....	2.52	5.54	3.30	3.57	8.50	2.63	1.28	2.01	3.82	.....
1908.	1.37	4.33	....	4.95	8.77	1.64	1.96	2.77	....	0.49	1.44	1.69	.....
Mns	2.29	2.15	3.07	2.73	3.81	3.79	3.15	3.07	3.34	1.79	2.27	2.08	33.54

Values for 1888 to 1892, inclusive, are for Beason, 8 miles from Lincoln.
Values for 1893 to 1905, inclusive, are for Mt. Pulaski, 10 miles from Lincoln.
Values for 1906 to 1908, inclusive, are for Lincoln.

MARTINSVILLE, CLARK COUNTY, ILL. Elevation, 630 feet.

1887.	1.85	5.20	4.45	3.16	5.65	1.39	2.54	3.59	2.35	1.02	5.25	3.00	39.45
1888.	....	1.25	2.22	2.75	....	5.26	....	6.71	1.36	1.13	7.30	....	.....
1889.	1.01	1.08	0.99	0.27	4.20	7.65	3.00	1.30	5.00	3.34	4.67	0.91	33.42
1890.	6.19	5.98	3.34	3.46	3.57	3.68	3.00	4.24	4.60	1.45	2.25	1.34	43.10
1891.	2.23	4.67	3.93	1.35	0.72	1.55	0.79	6.55	1.12	1.09	3.61	0.99	28.60
1892.	1.60	1.80	....	7.84	6.83	2.65	2.62	3.27	0.77	0.83	3.20	1.12	.....
1893.	1.25	4.42	3.99	9.16	4.76	3.15	0.85	0.54	4.18	1.30	3.14	2.11	38.85
1894.	2.43	2.83	2.20	3.72	4.37	1.10	3.44	3.45	1.70	1.20	0.98	3.49	30.91
1895.	2.56	0.95	1.20	3.43	1.10	1.54	4.71	3.83	2.48	0.95	4.75	4.30	31.80
1896.	0.85	1.80	1.90	1.92	3.37	3.23	10.57	2.83	4.30	0.95	3.27	1.41	36.40
1897.	4.15	2.50	7.27	5.72	3.47	6.77	2.30	0.25	0.47	0.69	6.01	2.83	42.43
1898.	3.86	1.26	9.64	2.48	2.79	4.20	1.15	3.44	4.90	4.35	2.29	0.85	41.21
1899.	1.80	1.38	4.05	1.20	5.20	2.25	4.51	2.70	0.69	2.79	1.79	2.55	30.91
1900.	0.23	*2.66	*1.56	*0.75	*4.58	*5.07	*5.53	*3.37	*4.23	*2.15	*2.96	*0.72	33.81
1901.	*0.57	*0.80	*1.28	....	....	†6.41	†0.43	†1.56	†0.42	†2.40	†1.10	†3.93	.....
1902.	....	....	†1.97	2.49	2.87	6.48	4.28	4.57	3.78	1.39	.....	....	.....
1903.	....	....	....	3.81	0.85	2.54	3.06	4.50	2.93	2.28	1.55	....	.....
1904.	3.57	0.55	7.97	0.95	3.55	4.61	3.20	2.25	5.01	0.60	0.25	....	.....
1905.	1.81	....	1.52	4.01	5.41	1.55	5.64	....	2.00	4.99	2.70	1.75	.....
1906.	3.85	1.55	3.55	2.40	1.65	5.07	2.74	5.43	3.65	0.80	4.65	4.70	40.04
1907.	7.57	0.09	1.90	2.45	5.08	4.86	4.98	3.85	0.40	2.65	3.40	2.20	39.43
1908.	0.20	3.25	3.90	3.60	11.35	3.17	2.67	1.14	1.87	0.21	3.72	1.23	36.31
Mns	2.50	2.32	3.44	3.19	4.07	3.83	3.43	3.30	2.60	1.75	3.28	2.19	35.90

* At Weir (7 miles distant).
†At Melrose (10 miles distant).

KEOKUK, LEE COUNTY, IOWA. Elevation, 614 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1872.	0.07	0.39	2.88	3.86	3.70	5.81	6.77	1.97	2.26	0.42	0.74	0.50	29.37
1873.	3.40	0.53	0.51	5.65	3.42	1.21	7.73	0.54	3.37	4.69	1.43	8.56	41.04
1874.	3.92	0.88	1.14	2.40	1.65	4.01	4.61	3.87	7.92	1.94	2.17	1.26	35.77
1875.	0.61	1.84	1.67	0.89	6.70	8.33	12.70	3.83	4.62	2.71	0.59	3.93	48.42
1876.	3.68	1.45	3.45	3.99	5.28	6.73	6.79	4.03	11.08	2.12	2.82	0.23	51.65
1877.	0.84	0.15	3.86	4.22	5.55	7.82	7.06	2.52	3.61	7.11	3.05	2.90	48.59
1878.	0.17	2.95	3.78	2.31	3.47	3.93	2.37	5.27	1.36	2.31	1.93	1.95	31.80
1879.	0.50	0.53	1.71	1.56	2.27	2.63	1.98	4.57	1.12	0.28	3.91	1.45	22.51
1880.	3.91	1.94	1.83	4.79	5.92	3.06	2.25	3.81	3.21	2.02	1.13	0.67	34.54
1881.	0.50	2.58	2.42	3.12	1.35	8.70	3.08	0.86	4.10	8.01	2.59	1.70	39.01
1882.	1.07	1.54	3.30	3.22	7.11	9.45	4.53	3.09	1.52	2.71	2.25	1.75	41.54
1883.	1.24	6.13	1.07	2.97	4.87	5.88	3.15	1.32	1.76	6.95	2.09	1.20	38.63
1884.	0.85	1.88	3.37	1.31	3.16	4.03	2.30	2.74	4.25	3.35	1.73	3.91	32.88
1885.	2.44	1.14	0.17	3.33	2.59	6.97	2.29	5.98	3.77	3.59	0.88	1.96	35.11
1886.	2.08	1.40	2.25	1.52	4.49	2.86	0.65	5.90	3.95	2.38	1.15	1.03	29.66
1887.	1.48	5.19	0.76	1.84	2.54	1.55	1.57	2.38	3.13	1.98	1.18	2.73	26.33
1888.	1.57	2.17	3.45	1.85	5.06	5.42	6.00	2.07	2.13	1.63	2.83	1.61	35.79
1889.	1.89	0.90	1.04	3.60	5.72	2.97	6.78	0.95	5.14	2.88	1.80	1.08	34.75
1890.	1.81	1.09	2.43	1.79	3.34	3.41	2.49	1.77	4.46	2.44	1.87	0.03	26.93
1891.	2.59	1.32	2.27	5.06	2.56	3.66	2.77	6.10	0.49	1.49	3.60	1.33	33.24
1892.	1.96	1.61	2.91	6.15	6.34	2.65	6.18	1.07	3.21	0.71	3.16	1.50	37.45
1893.	0.92	1.76	2.66	5.41	4.36	2.37	2.60	1.16	3.18	0.33	2.29	0.90	27.54
1894.	2.24	1.46	2.52	2.75	3.06	2.85	0.37	0.51	4.86	1.28	2.24	1.06	25.20
1895.	1.44	0.19	1.05	3.38	3.15	2.61	5.46	2.68	2.67	0.37	2.58	4.24	29.82
1896.	0.85	1.23	0.88	2.35	4.40	2.18	8.01	3.90	9.44	1.71	1.01	0.81	36.77
1897.	4.90	0.96	4.16	3.54	1.86	5.43	6.75	0.65	0.64	0.24	2.17	1.84	33.14
1898.	3.13	1.16	5.98	4.80	6.70	4.77	3.06	6.92	8.07	3.99	1.52	1.38	51.48
1899.	0.49	1.65	2.66	3.28	11.47	2.78	5.39	4.01	4.32	2.06	1.19	1.67	40.97
1900.	2.46	3.24	1.43	2.10	4.56	1.06	2.20	4.21	5.02	5.36	1.72	0.25	33.61
1901.	1.41	0.75	2.59	2.29	1.95	6.34	2.02	0.15	2.14	0.93	0.80	1.17	22.54
1902.	0.44	1.02	2.24	3.13	3.63	7.59	4.87	6.93	1.82	2.38	2.60	2.21	38.86
1903.	0.77	1.42	3.03	4.91	3.56	1.40	1.27	4.80	7.16	3.23	0.87	0.86	33.28
1904.	2.70	0.70	3.46	5.11	3.94	3.62	4.48	4.63	8.33	0.30	0.21	1.45	38.93
1905.	0.60	1.37	1.78	3.32	3.01	6.57	2.89	3.16	4.15	3.41	2.32	1.03	33.61
1906.	2.40	2.50	2.82	2.16	1.83	1.48	1.46	2.87	2.94	0.73	1.92	1.90	25.01
1907.	5.07	0.10	5.05	2.02	3.44	6.40	6.26	5.50	1.94	0.47	1.17	1.38	38.80
1908.	0.51	2.86	1.76	1.82	10.09	4.32	3.70	2.50	2.22	0.87	3.05	0.58	34.28
Mns	1.81	1.62	2.44	3.18	4.27	4.40	4.18	3.22	3.93	2.42	1.91	1.73	35.11

LA HARPE, HANCOCK COUNTY, ILL. Elevation, 698 feet.

†1856.	....	...	0.25	3.13	8.61	1.10	5.99	1.53	1.26	4.52	4.97	6.06	2....
1857.	0.39	4.80	2.56	0.89	2.03	3.70	1.45	4.10	2.72	2.32	2.43	1.36	58.75
1858.	2.05	1.52	3.17	7.22	9.51	5.86	7.93	2.33	2.46	3.01	3.11	2.88	1.05
1859.	3.88	3.63	4.39	3.35	7.81	6.78	1.22	5.43	3.72	1.80	1.79	1.08	44.88
1860.	....	....	....	....	....	....	....	....	.....	....	....	....	.....
1861.	1.68	2.91	3.63	3.96	3.89	4.99	1.37	1.57	4.27	2.31	0.41	1.49	32.47
1862.	4.63	0.64	1.80	6.68	1.44	6.35	....	....	7.61	1.46	2.09	6.32	.....
1863.	2.80	....	2.21	....	2.81	0.27	2.62	2.46	3.43	3.08	0.61	5.99	.....
1864.	1.58	0.58	2.26	6.76	2.16	1.42	5.26	1.29	4.16	2.90	3.88	3.55	35.80
1865.	0.15	2.81	4.02	5.77	0.69	6.77	9.58	1.69	5.81	3.34	0.12	1.25	42.00
1866.	3.52	1.42	1.77	4.78	2.12	1.74	3.19	3.28	10.30	3.83	0.51	2.88	39.34
1867.	1.85	2.53	1.68	2.00	4.98	3.65	3.70	1.86	1.78	0.99	1.33	1.30	27.65
1868.	0.92	0.79	5.62	5.36	7.03	2.05	5.42	4.36	4.29	1.75	5.01	2.57	45.17
1869.	2.16	2.56	0.95	4.48	5.18	8.13	7.77	6.57	1.82	2.19	3.42	2.07	47.30
1870.	2.11	0.12	5.61	0.63	1.73	2.35	2.01	5.41	5.78	5.19	1.39	1.40	33.73
1871.	4.49	1.59	3.85	3.05	2.60	4.70	2.81	6.48	1.55	5.62	2.76	1.31	40.81
1872.	0.20	0.85	3.06	2.93	3.33	4.96	6.27	2.72	2.56	0.99	1.04	1.41	30.32
1873.	3.93	1.24	0.84	7.41	3.74	1.41	6.23	0.46	5.32	3.85	1.57	7.63	43.63
1874.	2.88	1.12	1.57	....	2.00	6.61	3.42	4.95	2.18	0.98	2.22	1.07	.....
1875.	0.32	2.00	2.83	1.76	6.09	5.59	14.04	1.30	6.64	2.35	0.52	3.89	47.43
1876.	1.89	1.57	3.24	4.35	4.47	4.06	4.97	7.98	10.67	2.40	1.78	0.20	47.58
1877.	0.82	0.14	4.62	2.58	3.96	6.96	6.24	3.08	3.27	9.27	2.89	4.00	47.83
1878.	1.14	3.31	5.16	3.28	4.91	2.89	3.85	6.06	1.13	2.85	1.17	3.82	39.57
1879.	0.73	0.79	1.91	1.26	1.63	3.02	3.15	5.20	2.06	0.19	3.97	1.51	25.42
1880.	2.51	2.08	2.16	5.74	5.38	2.64	1.35	3.34	2.26	1.38	....	....	.....
1881.	....	5.34	....	....	....	....	....	....	.....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1895.	....	....	....	1.71	1.40	3.13	4.89	3.24	3.25	0.34	3.40	5.65	.....
1896.	1.26	2.14	1.18	2.35	4.80	5.16	7.80	7.96	12.28	2.00	2.53	0.99	50.45
1897.	10.38	1.83	6.22	5.85	2.41	5.80	3.87	1.86	1.39	0.26	1.26	2.10	43.23
1898.	2.94	1.40	5.12	3.91	8.56	2.59	2.35	10.40	6.42	3.15	1.65	0.42	48.91
1899.	0.35	1.38	3.14	3.17	12.57	2.60	2.58	4.32	2.82	1.97	1.52	1.17	37.59
1900.	2.15	4.26	1.55	1.52	3.50	0.53	3.06	2.85	2.90	4.70	1.38	0.25	28.65
1901.	1.17	1.65	2.24	1.30	2.10	5.10	5.15	0.50	2.07	0.85	1.08	0.69	23.90
1902.	0.65	1.30	3.40	2.95	3.00	9.70	6.75	9.05	2.50	2.65	2.90	2.04	46.89
1903.	2.07	2.13	1.92	5.30	3.00	2.20	1.45	5.00	7.65	4.05	1.02	0.88	36.67
1904.	5.48	0.90	5.17	2.85	4.60	4.00	6.45	4.20	8.15	0.45	0.50	1.92	44.67
1905.	1.13	1.99	1.25	4.47	4.55	12.60	2.40	5.55	1.65	2.80	2.10	1.14	41.63
1906.	3.35	2.50	4.19	1.70	3.70	3.35	4.25	2.15	4.10	1.00	1.15	2.20	33.64
1907.	7.62	0.30	6.40	2.60	2.75	4.45	6.70	5.10	1.95	0.30	0.90	1.26	40.33
1908.	2.45	3.10	2.27	1.64	11.25	5.60	2.40	1.24	2.03	0.70	2.34	0.60	35.62
Mns	2.43	1.92	3.06	3.57	4.38	4.32	4.47	3.97	4.11	2.47	1.97	2.33	39.00

† Values from 1856 to 1881, inclusive, are for Augusta. All other values are for La Harpe. The stations are 24 miles apart.

MARTINTON, IROQUOIS COUNTY, ILL. Elevation, 633 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1885.	....	....	....	....	....	3.10	3.75	2.11	4.45	6.65	1.36	4.02	.....
†1886.	2.06	1.78	2.04	2.33	5.38	3.40	3.06	3.75	5.23	0.62	1.49	1.42	32.56
†1887.	1.21	5.03	1.02	2.17	1.95	2.05	2.12	3.37	2.74	1.65	2.90	4.11	30.32
†1888.	2.82	1.50	2.53	2.11	4.96	4.43	2.49	0.61	0.50	2.36	3.20	1.92	29.43
†1889.	1.39	1.70	1.65	1.28	6.40	5.65	6.54	2.01	2.71	2.68	3.15	1.53	36.69
†1890.	4.79	1.77	3.28	3.86	5.37	5.78	1.57	2.70	2.08	3.73	1.56	....	.....
†1891.	....	....	....	....	....	....	....	....	....	....	....	....	.....
†1892.	....	....	2.27	7.33	9.47	3.98	1.35	2.42	2.51	0.52	1.95	1.44	.....
†1893.	1.85	6.70	3.15	6.95	5.42	1.35	....	....	....	....	....	....	.....
†1894.	....	....	....	....	....	....	....	....	....	....	0.78	1.73	.....
*1895.	0.87	T.	0.53	3.03	1.35	1.29	5.09	1.93	3.46	1.17	2.80	7.91	29.43
*1896.	*1.30	*1.94	*0.89	....	3.25	4.42	7.02	3.62	5.50	0.25	1.98	0.13	.....
1897.	3.61	1.37	3.96	2.26	1.78	4.44	1.67	1.28	0.29	0.61	5.71	2.20	29.18
1898.	3.44	1.90	4.38	1.98	5.66	2.65	1.11	4.03	5.77	4.36	2.81	1.80	39.89
1899.	1.37	0.89	2.14	0.20	4.02	2.22	2.55	2.19	2.30	3.17	1.84	3.11	26.00
1900.	0.74	4.56	3.52	1.31	4.22	2.33	4.34	5.10	2.09	1.82	5.78	0.52	36.33
1901.	1.55	1.30	4.06	1.37	2.19	4.76	1.85	3.15	1.82	2.90	1.10	3.10	29.15
1902.	0.83	1.81	4.14	3.36	4.51	12.53	6.29	2.37	6.84	1.72	3.37	2.91	50.68
1903.	1.29	2.00	1.28	7.18	4.67	3.33	4.34	3.88	2.40	2.54	0.79	0.29	33.99
1904.	2.02	1.60	4.08	3.26	3.92	1.68	2.03	3.24	4.81	1.23	0.09	1.85	29.81
1905.	0.81	2.05	1.79	3.96	8.93	4.38	2.68	4.91	2.77	2.10	2.68	1.60	38.66
1906.	3.26	1.77	3.54	2.03	4.25	3.17	6.02	7.19	4.59	1.80	3.25	3.40	44.27
1907.	4.57	0.20	5.23	2.56	2.86	4.04	5.65	6.62	4.17	0.65	2.70	4.68	43.93
1908.	1.75	4.05	2.79	*4.30	9.95	1.65	1.24	2.86	2.60	0.67	1.58	2.08	35.52
Mns	2.08	2.20	2.78	3.14	4.79	3.76	3.46	3.30	3.32	2.06	2.43	2.46	35.78

† Values for 1885 and 1893, inclusive, are from Watseka, 9 miles distant.

* Values November 1894 to March 1896, inclusive, are for Gilman, 16 miles distant.

MONMOUTH, WARREN COUNTY, ILL. Elevation, 784 feet.

1887.	....	....	1.30	....	....	....	5.20	....	3.43	....	1.30	....	.....
1888.	3.01	....	....	....	....	....	....	....	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1893.	....	2.24	3.48	....	....	....	....	....	....	....	....	1.57	.....
1894.	1.78	1.35	2.22	2.10	2.10	2.04	1.02	2.00	5.61	1.16	1.52	1.49	24.39
1895.	1.42	0.18	0.84	2.54	2.04	2.97	5.50	3.04	4.26	0.78	2.06	4.81	30.44
1896.	1.10	1.35	0.68	4.50	4.76	3.56	5.79	6.68	6.02	1.76	0.81	0.35	37.36
1897.	5.14	0.82	2.63	3.25	0.94	2.00	5.26	0.65	2.78	0.13	1.87	1.69	27.16
1898.	3.20	1.38	3.65	2.73	6.60	4.67	1.50	9.23	7.15	2.34	1.53	0.47	44.45
1899.	0.37	1.49	3.10	2.84	6.61	1.24	1.49	3.27	2.26	2.38	0.65	1.43	27.13
1900.	1.67	2.92	2.10	1.01	2.93	0.82	2.65	4.23	5.31	2.86	2.39	0.25	29.14
1901.	1.24	1.19	2.00	1.23	1.28	4.96	5.44	0.37	3.00	1.03	0.87	0.78	23.39
1902.	0.30	0.99	3.03	3.13	3.65	13.97	7.51	8.80	3.48	3.39	2.28	2.56	53.09
1903.	0.63	1.66	2.11	6.58	3.63	2.27	1.97	6.32	6.57	2.35	0.72	0.66	35.42
1904.	2.85	0.80	3.62	2.51	4.61	2.86	8.66	5.63	4.29	0.36	0.22	1.67	38.08
1905.	0.83	2.04	1.77	4.98	3.64	3.87	2.89	2.04	1.19	1.56	2.16	1.40	28.37
1906.	3.29	2.12	3.77	2.28	3.11	4.14	2.73	1.98	8.98	2.30	2.67	1.76	39.13
1907.	4.72	0.27	2.02	3.19	2.79	2.72	7.32	5.27	1.76	0.74	1.46	1.49	33.75
1908.	1.27	3.33	3.08	2.41	11.29	5.21	5.12	3.98	1.56	1.40	3.08	0.87	42.60
Mns	2.05	1.51	2.44	3.02	3.93	3.82	4.38	4.23	4.23	1.64	1.60	1.45	34.30

PANA, CHRISTAN COUNTY, ILL. Elevation, 692 feet.

1882.	....	....	....	....	....	....	....	3.68	0.15	2.00	2.75	1.50	.....
1883.	1.28	4.50	1.00	2.00	4.31	3.15	5.75	1.50	0.75	8.00	3.72	0.82	36.78
1884.	1.06	4.00	1.50	2.58	2.25	3.49	4.00	1.25	7.33	2.50	2.00	4.88	36.84
1885.	2.60	0.88	0.18	5.11	5.41	10.50	6.61	3.59	7.00	5.33	1.33	1.65	50.19
1886.	1.68	2.35	2.28	3.07	5.50	5.58	1.50	7.16	8.74	0.16	3.39	1.67	43.08
1887.	0.65	6.08	3.41	5.68	6.50	1.66	3.05	5.35	5.08	1.33	7.58	6.41	52.78
1888.	3.08	3.74	6.08	3.50	6.08	8.74	5.73	6.66	1.66	5.83	6.25	5.58	62.93
1889.	2.73	2.05	3.25	1.25	6.83	4.68	2.24	0.08	4.57	2.75	8.16	4.33	42.92
1890.	11.65	2.01	6.08	3.04	3.57	5.25	3.33	3.66	4.66	1.16	3.50	1.12	49.03
1891.	0.56	2.64	4.32	4.16	0.66	6.25	†2.10	6.50	1.00	2.26	10.09	1.79	42.33
1892.	2.11	5.61	3.32	11.99	8.57	2.76	6.49	6.07	3.25	1.57	7.25	4.33	63.32
1893.	0.48	4.60	3.77	....	1.60	2.99	2.49	0.30	2.74	0.28	....	....	.....
1894.	....	....	....	....	....	....	....	....	....	....	....	....	.....
*1895.	....	....	....	....	....	....	....	1.50	3.25	0.25	3.28	4.68	.....
*1896.	0.43	1.41	1.25	1.98	5.04	3.65	5.98	3.07	4.44	1.19	2.59	0.44	31.47
*1897.	3.35	1.20	6.02	5.27	4.09	4.99	3.60	1.36	0.29	0.12	5.29	2.78	38.36
*1898.	5.02	2.74	6.72	2.92	6.49	2.31	2.34	3.17	3.90	4.85	2.48	1.33	44.27
1899.	2.00	1.91	3.44	1.38	6.84	4.01	1.44	2.44	1.35	3.97	1.72	3.00	33.50
1900.	0.51	5.31	1.66	1.32	2.30	6.17	5.49	1.98	3.36	2.00	3.63	1.21	34.94
1901.	1.64	1.92	3.71	2.19	3.61	3.94	1.08	2.66	1.73	2.64	1.70	3.16	29.98
1902.	1.47	0.96	3.83	2.94	1.71	10.43	1.48	5.51	4.01	2.32	3.16	3.68	41.50
1903.	1.43	4.15	2.84	3.66	1.95	3.25	3.53	4.83	2.41	2.24	0.42	1.99	32.70
1904.	2.85	1.19	7.86	4.48	2.00	3.50	6.39	4.20	4.26	0.54	0.10	1.34	38.71
1905.	2.16	1.17	1.49	2.31	3.65	2.29	6.88	1.66	2.32	5.45	1.95	2.27	33.60
1906.	2.78	2.33	4.75	3.94	2.46	3.87	0.89	3.18	7.18	1.03	4.86	2.99	40.26
1907.	6.18	0.66	2.61	3.02	3.78	4.85	5.93	5.91	1.01	1.95	1.95	3.97	41.82
1908.	1.97	5.87	2.37	5.42	10.21	2.38	2.48	1.60	1.05	0.13	3.09	1.55	38.12
Mns	2.49	2.89	3.49	3.62	4.39	4.24	3.78	3.42	3.37	2.38	3.69	2.74	40.50

† Interpolated from surrounding stations.

* From August 1895 to April 1898, values are for Morrisonville, 19 miles distant.

PEORIA, PEORIA COUNTY, ILL. Elevation, 609 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1855.	....	....	....	....	....	....	....	....	....	....	....	3.76	.....
1856.	0.80	1.03	0.25	1.72	4.03	1.50	2.83	1.39	0.76	1.66	4.00	6.13	26.10
1857.	0.37	5.33	3.84	1.39	2.80	2.77	1.40	5.61	2.16	2.01	1.33	1.50	30.51
1858.	1.48	1.95	3.28	6.25	10.64	5.95	5.75	3.24	2.96	3.24	4.85	3.67	53.26
1859.	1.50	1.42	5.82	2.60	3.17	2.18	0.67	4.14	2.84	2.15	2.40	1.23	30.12
1860.	1.86	2.40	1.13	1.64	2.00	4.95	8.87	2.39	2.00	0.70	3.13	3.08	34.15
1861.	1.25	2.46	3.96	4.95	2.19	2.31	2.31	2.78	3.72	2.33	1.09	0.94	30.29
1862.	4.27	0.70	2.71	5.03	1.46	3.67	7.74	9.04	5.09	1.61	1.81	5.20	48.33
1863.	2.83	3.20	2.61	1.52	2.97	0.45	4.82	2.24	2.51	3.92	0.71	4.49	32.27
1864.	1.42	0.41	2.20	4.81	1.88	2.55	2.92	1.56	4.81	1.53	3.82	3.06	30.97
1865.	0.22	4.01	3.57	4.27	2.34	1.86	5.77	3.61	8.31	1.67	0.31	1.08	37.02
1866.	3.21	1.10	2.54	2.65	2.57	2.61	5.17	3.97	6.50	2.87	0.51	2.05	35.75
1867.	1.36	2.88	1.74	1.57	4.40	2.92	2.65	2.26	0.60	1.10	1.93	1.21	24.62
1868.	0.77	0.75	5.38	3.18	7.85	1.43	1.47	2.74	4.46	1.41	4.50	1.81	35.75
1869.	0.99	2.62	1.71	3.59	6.09	8.35	7.35	3.39	0.74	1.53	3.13	2.63	42.12
1870.	2.05	0.33	4.37	0.45	1.62	0.75	0.68	3.26	3.56	4.27	1.21	1.02	23.57
1871.	2.45	1.62	3.24	2.58	1.93	3.47	3.76	4.95	0.65	3.37	2.09	2.04	32.15
1872.	0.20	0.69	2.50	2.95	2.38	9.76	7.80	4.54	4.13	0.80	2.00	1.07	38.82
1873.	3.47	1.29	1.30	4.76	4.78	2.96	4.25	1.25	3.65	2.26	1.46	7.15	38.58
1874.	3.04	1.45	1.11	2.90	2.51	1.95	1.46	5.60	1.15	1.00	2.20	0.67	25.04
1875.	0.32	2.20	2.05	2.00	4.23	3.00	8.28	1.02	9.63	3.46	0.71	2.39	39.29
1876.	2.60	2.00	4.70	2.66	3.94	6.17	5.54	3.14	4.51	4.86	2.63	0.28	43.03
1877.	0.92	0.06	3.32	2.86	2.57	9.43	3.01	2.04	2.83	5.68	3.65	3.45	39.82
1878.	0.50	2.25	2.10	3.75	4.45	3.49	2.58	4.42	0.97	3.96	0.91	2.08	31.46
1879.	1.05	0.97	1.80	2.95	0.93	3.23	3.42	1.88	3.72	2.17	4.93	1.92	28.97
1880.	3.38	3.95	3.30	5.94	6.73	2.32	3.17	3.38	3.09	1.75	1.92	0.96	39.89
1881.	0.52	3.51	3.52	1.62	3.50	7.20	2.43	1.38	4.05	5.56	4.26	3.50	41.05
1882.	1.27	3.21	3.12	2.41	6.34	11.18	2.91	1.92	1.53	3.76	2.08	1.76	41.49
1883.	1.31	4.14	0.77	6.18	6.54	4.39	3.57	0.57	2.93	3.57	4.19	1.37	39.53
1884.	0.70	3.18	2.17	2.62	5.50	3.87	3.67	4.13	5.76	4.80	2.19	3.21	41.80
1885.	2.63	0.87	0.24	4.44	1.70	4.07	4.73	2.64	5.28	2.32	1.04	2.44	32.40
1886.	2.41	1.86	2.25	2.75	2.90	3.67	0.47	3.57	4.68	1.81	1.34	0.89	28.60
1887.	1.10	5.45	0.94	1.53	1.24	1.53	2.85	2.72	2.53	2.14	1.62	3.65	27.30
1888.	1.87	1.66	4.03	1.18	6.72	1.84	6.48	2.30	4.79	2.29	2.67	2.39	38.22
1889.	1.70	0.84	1.50	2.79	3.92	6.30	7.64	1.23	2.61	2.28	2.91	1.33	35.05
1890.	2.80	1.36	2.73	2.33	2.74	2.42	0.72	2.39	2.12	3.45	1.79	0.41	25.26
1891.	1.68	1.90	2.68	3.64	1.97	3.31	2.82	5.71	2.00	0.71	4.08	2.39	32.89
1892.	1.25	1.84	2.45	4.54	7.70	6.05	3.08	0.73	2.35	1.20	2.72	1.75	35.66
1893.	0.87	2.92	3.01	7.86	4.65	1.82	2.48	0.44	3.02	0.70	2.21	1.74	31.72
1894.	2.60	1.48	3.06	2.22	3.58	4.18	1.00	2.50	4.42	1.45	2.92	1.58	30.99
1895.	1.32	0.37	1.02	2.89	1.84	1.67	8.72	2.27	4.92	0.67	4.17	5.86	35.72
1896.	1.30	1.95	1.05	4.47	5.74	2.23	7.02	4.69	4.86	0.23	2.20	0.40	36.14
1897.	5.39	1.19	4.70	2.87	1.29	2.11	4.65	1.02	0.93	0.04	3.48	1.16	28.83
1898.	4.08	2.59	5.74	3.02	5.54	3.37	0.47	3.26	6.05	3.00	2.03	0.93	40.08
1899.	0.72	1.96	2.97	1.36	6.03	2.60	1.69	1.27	5.24	2.78	2.25	2.12	30.99
1900.	1.92	5.64	1.42	1.09	5.54	1.44	2.45	5.39	2.94	2.90	1.87	0.39	32.99
1901.	1.98	1.24	4.31	0.81	1.50	4.32	3.97	1.29	2.64	0.90	0.80	2.26	26.02
1902.	0.67	1.41	2.71	2.29	2.99	9.60	7.30	7.42	6.78	3.78	2.83	1.54	49.32
1903.	0.89	1.70	3.66	5.15	4.22	2.39	4.91	7.22	5.78	2.13	0.85	0.95	39.85
1904.	1.87	1.29	4.42	3.48	4.06	2.44	5.58	4.13	6.67	0.10	0.12	1.33	35.49
1905.	1.15	1.45	2.00	3.99	4.53	5.13	4.24	1.36	1.78	2.77	2.45	1.60	32.45
1906.	1.70	1.85	2.55	2.77	2.88	3.24	2.48	1.59	4.92	1.00	2.42	1.65	29.05
1907.	5.39	0.14	2.34	2.82	2.08	3.99	4.89	6.60	2.94	0.35	1.68	1.66	34.88
1908.	0.59	3.98	2.50	4.08	7.76	4.09	3.94	2.78	0.82	0.71	1.89	0.82	33.96
Mns	1.77	2.04	2.72	3.14	3.88	3.78	3.98	3.14	3.60	2.24	2.31	2.15	34.75

SPRINGFIELD, SANGAMON COUNTY, ILL. Elevation, 609 feet.

1879.	....	....	....	....	....	....	1.52	3.82	0.84	1.25	5.12	2.88	.....
1880.	2.70	2.89	2.37	3.23	5.76	2.47	1.82	1.80	3.15	2.04	1.60	1.10	30.93
1881.	0.84	5.85	4.45	1.96	2.86	4.96	3.37	4.03	6.43	10.02	6.93	4.81	56.51
1882.	2.48	7.92	4.92	3.85	10.59	12.71	1.89	3.13	1.21	3.76	2.60	3.15	58.21
1883.	1.96	7.53	1.36	4.42	6.61	8.40	3.77	0.95	1.06	6.08	3.48	3.17	48.79
1884.	1.51	4.24	3.70	2.49	3.79	6.20	3.62	1.54	6.86	2.74	1.30	5.19	43.18
1885.	2.81	0.94	0.17	6.36	2.78	4.18	1.82	4.82	4.47	6.30	1.44	2.52	38.61
1886.	2.19	1.86	2.45	2.98	3.56	3.83	0.05	4.19	7.24	0.80	1.74	0.80	31.69
1887.	1.09	4.26	1.41	2.89	1.92	3.07	1.01	1.05	2.89	0.85	1.36	3.35	25.15
1888.	3.03	2.03	3.48	1.41	8.61	5.50	4.59	1.43	1.70	3.61	3.41	1.99	40.79
1889.	2.13	1.64	1.97	0.71	6.64	3.65	2.14	0.78	4.74	2.86	4.05	2.00	33.31
1890.	5.72	2.01	2.20	2.94	4.33	4.50	2.14	1.03	0.96	1.30	1.29	0.26	28.68
1891.	1.16	2.59	3.21	2.81	1.96	2.11	4.44	4.65	1.38	1.88	5.49	1.59	33.27
1892.	1.14	3.41	2.69	7.19	7.51	2.51	5.63	1.89	3.48	1.05	4.19	1.78	42.47
1893.	0.65	3.47	4.19	10.23	7.41	1.99	1.60	0.28	2.15	0.16	1.57	1.03	34.73
1894.	2.51	2.58	3.09	3.36	2.80	1.56	2.06	1.86	2.94	0.85	1.63	3.10	28.34
1895.	1.12	1.03	1.61	2.49	2.55	3.49	5.53	2.76	2.80	0.27	3.28	8.08	35.01
1896.	1.77	2.11	1.25	1.91	2.49	6.45	8.51	1.87	5.42	1.76	1.88	0.31	35.73
1897.	5.91	1.15	4.47	3.85	2.19	4.11	4.16	2.86	0.35	0.52	4.94	3.07	37.58
1898.	5.81	2.70	9.65	3.76	5.12	4.76	2.34	4.40	6.82	6.15	2.94	1.83	56.28
1899.	1.51	2.52	2.95	1.12	11.81	2.45	1.51	3.81	3.33	4.08	1.84	1.87	38.80
1900.	0.88	4.85	1.50	1.06	2.49	1.45	2.89	4.44	5.15	2.63	2.61	0.41	30.36
1901.	1.80	1.31	2.96	1.23	1.88	5.34	0.58	2.92	1.95	1.78	1.06	2.70	25.51
1902.	1.01	1.01	3.73	3.03	1.80	10.10	1.41	5.12	2.30	2.15	2.82	2.23	36.71
1903.	1.44	3.05	1.47	3.99	5.28	2.13	1.59	2.92	2.48	1.50	0.98	1.50	28.33
1904.	1.98	1.49	4.73	4.81	3.74	2.34	4.25	2.63	3.96	0.11	0.02	0.57	30.63
1905.	2.13	1.18	1.48	2.02	2.28	2.31	3.99	4.70	2.40	3.66	1.60	1.72	29.47
1906.	2.99	2.18	4.02	2.26	3.70	3.03	0.93	4.88	3.77	1.46	3.13	3.14	35.49
1907.	6.17	0.30	4.81	2.80	2.94	3.29	6.70	7.13	0.92	1.36	1.87	2.79	41.08
1908.	1.77	4.28	2.21	4.48	7.27	1.38	1.37	2.62	1.22	0.29	1.17	1.62	29.68
Mns	2.35	2.84	3.05	3.30	4.57	4.15	2.91	3.01	3.15	2.44	2.58	2.35	36.70

PONTIAC, LIVINGSTON COUNTY, ILL. Elevation, 546 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903.	0.80	3.23	2.54	4.94	4.36	1.39	6.35	2.60	3.62	2.76	1.06	1.98	35.63
1904.	3.92	1.84	5.73	3.63	2.67	1.05	5.37	2.45	5.79	0.17	0.06	2.14	35.72
1905.	1.80	1.89	2.17	3.45	6.33	1.70	1.78	1.82	2.26	2.53	2.26	1.71	29.70
1906.	3.07	1.78	3.28	2.18	1.77	2.35	2.39	0.80	3.56	1.61	2.58	2.62	27.99
1907.	5.62	0.15	2.74	3.09	3.28	3.00	5.66	4.47	4.59	0.61	2.04	3.05	38.30
1908.	1.01	4.52	2.90	4.83	8.72	1.65	2.35	1.25	1.53	0.92	2.61	1.51	33.80
Mns	2.70	2.24	3.23	3.69	4.52	2.01	4.15	2.23	3.56	1.43	1.77	2.17	33.70

PARIS, EDGAR COUNTY, ILL. Elevation, 600 feet.

1887.	1.40	4.19	2.40	2.78	5.03	0.34	0.81	3.40	3.74	0.72	6.47	4.39	35.67
1888.	2.75	2.10	3.52	2.52	4.35	4.62	2.94	4.09	2.44	2.66	4.78	2.32	39.09
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1892.	....	1.31	0.09	7.50	10.70	4.50	3.50	....	....	....	....	....	.....
1893.	....	....	....	6.26	4.70	4.24	1.19	0.38	3.24	1.41	3.10	1.69	.....
1894.	2.95	2.64	3.80	2.17	3.31	1.78	1.74	2.00	3.78	0.69	3.45	1.51	29.82
1895.	1.71	1.12	0.91	3.87	0.88	2.21	2.95	1.65	2.46	0.28	4.84	3.05	25.93
1896.	....	....	....	1.28	5.92	5.45	8.39	5.41	5.94	....	1.96	....	.....
1897.	....	....	2.99	4.63	2.04	5.60	2.70	0.53	0.38	0.25	6.41	2.93	.....
1898.	4.29	1.69	8.34	2.41	3.05	3.84	1.67	3.31	4.71	3.73	2.30	1.37	40.71
1899.	2.97	2.22	2.73	0.90	4.90	2.04	3.99	3.09	0.92	†3.92	3.59	2.83	34.10
1900.	0.80	†5.31	1.63	2.05	2.17	6.37	4.35	4.75	3.13	4.04	3.64	0.98	39.22
1901.	1.48	1.65	3.87	2.82	2.78	7.43	2.07	2.53	1.56	3.61	2.19	3.54	35.53
1902.	0.87	1.20	2.93	1.56	4.97	9.04	4.26	4.71	3.31	2.11	4.22	3.89	43.07
1903.	1.10	2.45	2.73	4.54	1.21	1.10	3.43	3.48	0.71	2.24	0.56	0.29	23.84
1904.	1.25	....	....	2.97	3.58	2.32	1.57	3.20	4.64	1.01	0.30	2.26	.....
1905.	1.26	2.03	1.98	3.75	4.91	0.45	5.31	3.43	4.36	3.73	2.39	2.42	36.02
1906.	4.99	0.65	5.30	1.57	1.03	2.54	2.95	3.27	3.93	0.42	3.80	3.29	33.74
1907.	5.26	0.07	3.05	2.50	2.53	....	....	....	0.70	2.79	3.47	3.10	.....
1908.	1.53	5.11	4.64	5.57	9.27	2.48	2.75	0.80	1.79	0.20	3.05	1.12	38.31
Mns	2.31	2.25	3.18	3.24	4.07	3.69	3.15	2.94	2.87	1.99	3.36	2.41	35.46

† Interpolated.

PHILO, CHAMPAIGN COUNTY, ILL. Elevation, 700 feet.

1885.	....	....	....	....	3.57	5.12	3.34	2.12	4.32	4.41	....	....	.....
1886.	2.28	0.71	3.90	2.55	3.36	5.33	3.25	3.36	7.75	0.40	2.80	1.58	37.27
1887.	0.81	2.94	2.62	3.37	5.00	1.50	0.98	2.77	4.26	0.81	2.96	4.05	32.07
1888.	2.67	2.05	2.77	2.62	6.68	5.11	8.86	0.35	1.18	4.50	4.41	2.12	43.32
1889.	1.23	2.19	1.36	1.04	5.88	11.16	4.47	0.84	2.64	3.21	3.48	2.04	39.54
1890.	6.35	3.47	2.35	3.95	3.84	5.14	2.02	1.81	1.50	2.22	2.36	0.13	35.14
1891.	0.89	2.10	4.32	2.46	1.14	3.15	1.52	4.21	0.59	0.82	6.14	1.55	28.89
1892.	1.69	3.71	2.21	7.79	7.43	2.81	3.10	4.29	1.16	0.50	4.92	1.80	41.41
1893.	1.02	4.51	3.87	8.28	6.38	1.67	0.66	0.46	3.65	0.65	3.48	1.28	35.91
1894.	2.38	3.28	3.04	3.63	2.20	4.44	2.53	1.22	5.02	0.76	2.13	2.19	32.82
1895.	1.08	1.28	1.08	2.38	0.82	2.73	3.01	1.28	3.72	0.85	3.24	4.99	26.46
1896.	1.06	1.57	0.77	1.38	3.99	3.45	7.27	6.41	5.02	0.20	3.41	0.83	35.36
1897.	4.25	1.56	3.68	3.48	1.97	6.22	3.48	1.20	0.45	0.54	5.08	2.65	34.56
1898.	3.62	1.28	8.71	2.84	4.93	3.78	1.98	2.29	5.23	5.55	3.20	2.23	45.64
1899.	2.50	2.31	2.31	0.87	4.44	2.60	1.82	2.93	0.50	4.22	2.16	2.56	29.22
1900.	0.16	4.13	1.89	0.82	6.19	4.55	6.35	6.88	1.64	2.26	3.56	1.34	39.77
1901.	2.01	1.99	3.11	1.80	2.66	5.72	3.73	2.44	1.19	3.57	1.36	3.75	33.33
1902.	1.02	1.56	3.18	1.47	2.23	7.38	5.59	5.39	4.06	3.39	3.23	3.12	41.62
1903.	1.45	3.16	1.45	5.50	2.32	3.36	3.49	2.39	1.77	2.87	2.04	2.20	32.00
1904.	3.17	1.25	6.57	4.06	3.05	2.71	2.17	5.65	3.17	0.53	0.35	0.76	33.44
1905.	2.18	1.68	1.10	3.79	4.62	3.54	6.00	1.31	4.79	3.11	1.01	1.87	35.00
1906.	2.55	1.86	4.38	1.65	4.37	2.48	4.87	2.20	3.80	1.74	4.75	3.93	38.58
1907.	7.60	0.16	4.22	2.42	3.43	5.98	6.08	4.03	0.58	2.18	2.27	3.46	42.41
1908.	1.79	4.25	3.37	4.17	7.65	1.79	2.64	2.42	1.59	0.35	3.27	1.32	34.61
Mns	2.34	2.30	3.14	3.14	4.09	3.82	3.72	2.84	2.90	2.07	3.13	2.25	35.74

RANTOUL, CHAMPAIGN COUNTY, ILL. Elevation, 768 feet.

1891.	....	....	....	....	....	....	....	....	....	....	5.01	1.19	.....
1892.	0.96	2.41	2.28	6.04	8.17	4.38	3.51	1.56	0.93	0.62	4.56	1.39	36.81
1893.	1.60	3.57	2.60	7.23	3.89	1.11	0.38	0.20	4.38	0.76	2.19	2.25	30.16
1894.	1.91	1.77	2.75	3.58	4.39	2.37	0.41	2.45	5.21	0.39	1.58	1.16	27.97
1895.	1.34	0.65	0.95	2.55	1.41	3.40	7.47	1.39	5.42	0.47	3.25	6.82	35.12
1896.	0.86	1.38	0.87	1.68	4.95	4.08	6.86	3.83	5.73	0.22	2.25	0.30	33.01
1897.	3.88	1.18	3.41	3.54	2.23	6.73	5.39	0.58	0.68	0.58	3.80	2.32	34.32
1898.	3.46	1.76	7.20	2.04	5.94	4.99	1.87	3.87	3.86	4.58	3.28	1.98	44.83
1899.	2.23	1.66	3.49	0.88	5.81	1.81	3.10	2.61	2.59	4.50	1.65	1.58	31.91
1900.	0.18	2.48	2.72	0.92	4.69	7.31	5.96	5.91	5.53	2.32	2.82	0.93	41.77
1901.	1.57	1.54	3.98	1.42	4.38	4.83	0.51	4.37	2.71	3.32	1.63	3.49	33.75
1902.	0.77	1.90	3.09	2.72	3.29	13.54	5.69	6.09	4.73	2.85	2.37	2.96	50.00
1903.	1.14	3.23	1.40	6.26	3.77	6.13	2.73	4.66	1.25	1.85	1.34	2.62	36.38
1904.	3.95	1.38	6.78	4.62	3.29	1.11	6.60	3.16	3.39	0.76	0.10	1.25	36.39
1905.	1.85	1.50	1.31	3.70	4.01	2.68	4.73	2.60	3.75	3.34	2.62	1.58	33.67
1906.	3.47	1.50	4.09	2.23	2.51	2.30	3.49	5.75	4.74	2.00	4.91	3.08	40.07
1907.	5.69	0.08	3.54	2.19	3.08	5.45	6.17	6.21	2.26	1.39	2.17	2.71	40.94
1908.	1.49	4.66	3.00	4.83	10.66	1.71	2.17	1.89	1.43	0.38	2.70	1.66	36.58
Mns	2.14	1.92	3.14	3.32	4.50	4.35	3.94	3.36	3.45	1.78	2.68	2.13	36.71

MINONK, WOODFORD COUNTY, ILL. Elevation, 745 feet.

Year.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1886.	1.70	0.46	2.95	3.20	4.22	3.45	0.60	0.65	4.95	1.60	0.70	1.05	25.53
1887.	0.85	4.95	0.75	1.50	2.10	0.25	0.92	2.60	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1895.	....	....	....	....	....	....	....	....	....	0.87	4.03	6.33	.....
1896.	1.26	1.44	1.08	3.64	5.50	3.87	5.33	2.67	4.53	0.20	2.32	T.	31.84
1897.	5.14	1.45	3.18	2.93	1.05	2.57	2.93	0.92	1.90	0.13	3.92	1.20	27.32
1898.	4.21	1.78	5.00	2.87	6.84	2.92	0.58	4.76	5.47	3.86	2.13	1.04	41.46
1899.	0.50	1.79	2.24	1.58	4.59	3.75	2.19	1.74	4.20	3.47	0.95	2.31	29.31
1900.	1.30	4.45	3.02	1.16	3.09	1.40	2.21	6.43	2.54	2.24	2.66	0.37	30.87
1901.	1.49	1.31	3.60	0.61	2.41	2.50	2.40	0.75	1.92	0.75	0.78	1.87	20.39
1902.	0.48	1.41	3.89	2.23	2.43	9.41	7.76	8.56	4.59	1.59	3.15	1.79	47.29
1903	0.71	2.16	2.80	4.65	3.23	4.12	6.24	4.49	7.14	2.23	0.92	1.47	40.16
1904.	2.51	1.48	3.95	2.75	3.70	1.61	6.23	2.69	4.14	0.17	T.	1.43	30.66
1905.	1.16	1.06	1.97	3.88	4.54	3.35	2.07	2.59	2.64	2.10	1.68	1.42	28.46
1906.	1.89	1.43	1.95	0.92	1.62	2.46	1.66	2.51	4.37	1.50	2.04	1.99	24.34
1907.	3.99	0.06	1.72	2.59	4.14	4.19	5.72	3.91	3.82	0.44	1.89	2.46	34.93
1908.	0.80	3.83	2.42	4.06	8.77	1.21	1.88	1.62	0.39	0.69	1.60	0.67	27.94
Mns	1.87	1.94	2.72	2.57	3.88	3.14	3.25	3.19	3.76	1.46	1.92	1.69	31.39

RUSHVILLE, SCHUYLER COUNTY, ILL. Elevation, 670 feet.

1889.	1.70	1.86	0.81	....	....	....	....	....	....	....	3.79	1.20	.....
1890.	2.99	1.43	2.49	2.33	3.42	3.92	4.19	2.14	3.64	1.49	2.06	0.25	30.35
1891.	1.05	2.09	3.49	4.49	4.74	2.57	4.78	7.94	0.61	2.34	4.93	2.13	41.16
1892.	2.07	2.90	2.49	7.68	7.58	2.60	5.95	0.60	3.18	1.27	1.53	2.09	39.94
1893.	1.16	3.02	3.77	9.10	7.36	3.03	2.45	1.91	2.96	0.22	1.72	0.81	37.51
1894.	2.70	2.40	2.41	3.11	2.47	4.21	0.67	2.06	8.32	1.12	2.92	1.70	34.09
1895.	1.75	0.37	1.03	2.88	3.32	3.88	5.53	4.85	3.44	0.53	4.72	5.90	38.20
1896.	1.56	1.72	0.78	4.45	4.31	3.72	9.61	1.77	5.85	1.59	1.35	0.67	37.38
1897.	6.03	....	....	....	....	....	....	....	....	....	....	....	.....
†1898.	....	....	....	....	....	....	....	....	6.68	2.22	2.47	0.97	.....
1899.	0.89	1.99	2.75	1.14	8.38	2.58	4.25	3.00	4.26	3.43	1.96	2.02	36.65
1900.	2.10	5.42	0.96	†1.09	2.72	1.30	1.82	3.89	†3.53	†3.76	1.48	0.39	28.46
1901.	2.50	1.21	3.37	1.89	0.69	†3.86	2.65	0.70	2.63	0.71	1.07	1.75	23.03
1902.	0.67	1.47	4.67	2.76	2.72	8.34	4.38	6.45	4.32	2.86	2.00	2.67	43.31
1903.	1.08	1.50	2.45	5.63	4.41	2.26	3.13	4.26	3.99	1.98	0.97	0.95	32.61
1904.	3.07	0.69	5.05	6.60	4.63	4.11	4.39	3.25	3.87	0.22	0.03	2.09	38.00
1905.	0.51	1.07	1.75	3.53	3.23	5.33	2.83	3.02	5.39	3.11	1.03	1.72	32.52
1906.	1.75	1.90	3.49	3.30	1.73	3.84	2.52	3.83	4.82	0.52	2.24	2.50	32.44
1907.	5.86	0.25	2.83	3.99	3.66	4.26	6.82	5.94	0.89	0.84	1.30	2.00	38.64
1908.	1.30	3.60	0.73	4.51	7.07	4.88	3.81	2.64	1.29	0.40	3.05	0.95	34.23
Mns	2.14	1.94	2.52	4.03	4.26	3.81	4.10	3.43	3.87	1.59	2.14	1.72	35.55

† Values from September to December, 1898; all of year, 1899; from April to September, inclusive, 1900, and June to October, inclusive, 1901, are for Astoria, 13 miles distant.

FROST DATA.

Stations.	Length of Record, yrs	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Alexander	15	October 6	April 24	September 18	May 11
Bloomington	16	October 9	April 27	September 20	May 18
Bushnell	14	October 14	April 25	September 29	May 13
Carlinville	17	October 11	April 22	September 18	May 14
Charleston	16	October 6	April 24	September 14	May 11
Coatsburg	13	October 14	April 24	September 29	May 11
Decatur	15	October 12	April 23	September 21	May 14
Griggsville	19	October 17	April 21	September 24	May 20
Hannibal, Mo.	17	October 16	April 16	September 30	May 14
Havana	15	October 14	April 23	September 29	May 22
Hillsboro	14	October 15	April 22	September 19	May 14
Keokuk, Ia.	37	October 15	April 11	September 18	May 4
Knoxville	14	October 13	April 25	September 20	May 14
La Harpe	14	October 5	April 24	September 13	May 21
Lincoln	16	October 10	April 27	September 18	May 21
Martinsville	16	October 11	April 22	September 18	May 14
Martinton	17	September 30	April 29	September 13	May 16
Minonk	13	October 8	April 27	September 18	May 11
Monmouth	15	October 10	April 28	September 20	May 20
Pana	13	October 16	April 22	September 20	May 11
Paris	16	October 19	April 22	September 23	May 21
Peoria	53	October 18	April 15	September 29	May 11
Philo	21	September 30	April 28	September 14	May 28
Pontiac	6	October 14	May 1	October 9	May 11
Rantoul	17	October 7	April 26	September 21	May 14
Rushville	17	October 12	April 23	September 20	May 20
Springfield	29	October 17	April 18	September 25	May 22

Mean temperature.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Alexander	15	27.3	27.1	41.1	53.0	64.0	72.0	76.4	75.1	68.1	56.0	42.2	31.0	52.8
Bloomington	17	25.4	25.2	39.4	51.6	63.3	71.8	75.7	73.8	68.1	56.0	40.5	29.3	51.7
Bushnell	15	25.3	24.4	39.5	52.5	64.0	72.5	76.9	74.7	68.5	55.9	39.8	29.4	52.0
Carlinville	18	29.0	28.8	42.4	53.9	64.2	72.9	76.5	75.9	69.5	56.4	42.4	32.6	53.7
Charleston	23	28.0	28.9	40.3	52.9	63.5	72.7	76.5	74.3	68.0	55.6	42.0	32.6	52.9
Coatsburg	16	25.1	26.2	39.6	52.3	64.0	71.5	76.7	75.0	67.9	52.5	41.0	28.7	51.7
Decatur	17	26.6	25.9	40.8	52.3	63.5	71.8	75.8	74.6	68.2	55.7	41.2	30.6	52.2
Griggsville	23	26.9	28.0	40.9	54.0	64.2	72.6	76.7	75.2	68.1	55.9	41.8	31.6	53.0
Hannibal, Mo	17	27.9	26.9	41.8	53.5	63.8	72.5	76.4	75.1	68.4	56.0	41.9	31.3	53.0
Havana	16	27.4	27.3	41.8	53.0	64.0	73.6	77.2	75.8	69.3	57.2	41.8	31.4	53.3
Hillsboro	14	30.5	28.4	42.6	53.3	65.0	72.8	76.6	76.2	69.6	57.5	43.7	32.4	54.0
Keokuk, Ia	37	23.7	27.5	40.4	52.3	63.1	72.1	76.9	74.9	67.1	54.4	39.7	29.0	51.8
Knoxville	18	22.1	22.5	35.8	50.2	61.7	70.0	74.7	72.4	65.0	52.3	38.5	27.3	49.4
La Harpe	29	23.8	26.7	38.2	51.3	62.9	71.4	76.6	74.4	66.3	54.6	39.5	28.1	51.2
Lincoln	20	27.3	27.0	39.0	52.3	62.9	71.6	75.9	74.0	67.3	55.0	41.1	31.5	52.1
Martinsville	20	29.2	29.5	42.0	53.5	64.2	72.6	76.5	74.7	68.0	55.5	41.7	33.7	53.4
Martinton	21	23.9	24.0	36.6	49.4	60.7	69.8	74.2	72.0	65.0	52.6	39.5	28.8	49.7
Minonk	15	23.9	23.4	37.5	50.1	62.6	70.0	74.9	72.9	66.2	54.1	39.4	27.0	50.2
Monmouth	16	22.8	22.2	38.2	51.0	62.3	70.4	74.7	73.3	66.2	53.7	38.7	27.4	50.1
Pana	22	28.2	29.3	40.7	53.3	63.1	71.6	76.5	74.4	67.9	55.3	41.6	32.3	52.8
Paris	15	28.6	26.9	40.5	51.1	63.6	72.6	76.1	75.4	69.2	54.9	42.1	29.5	52.5
Peoria	33	23.1	25.9	37.0	50.9	61.7	70.9	75.4	72.5	64.3	52.0	37.5	28.1	49.9
Philo	21	25.8	26.1	38.8	51.2	61.8	70.8	74.8	72.7	65.9	53.1	39.3	30.2	50.9
Pontiac	6	25.9	23.5	41.4	50.0	62.1	69.5	74.7	73.3	67.6	54.2	40.8	29.6	51.0
Rantoul	17	25.4	23.7	39.3	50.5	62.3	71.2	75.8	73.7	66.8	54.5	39.4	29.6	51.0
Rushville	17	26.1	25.7	39.9	52.9	63.3	72.2	75.7	73.9	66.7	54.8	40.1	31.7	51.9
Springfield	33	26.3	29.1	39.1	52.0	63.5	72.3	76.5	74.0	66.4	54.6	40.7	31.3	52.2

Highest temperature.

Alexander	15	70	69	91	90	95	99	109	102	106	98	78	68	109
Bloomington	16	67	67	88	95	98	103	108	104	103	93	78	65	108
Bushnell	15	69	74	89	92	94	102	111	102	103	97	75	67	111
Carlinville	17	72	72	91	90	95	100	111	106	103	94	79	69	111
Charleston	16	69	69	86	90	94	99	106	99	100	92	76	64	106
Coatsburg	15	70	64	88	90	94	100	111	101	99	91	77	63	111
Decatur	15	69	68	88	98	97	100	109	103	103	94	78	65	109
Griggsville	20	73	69	92	92	95	101	110	102	103	94	80	68	110
Hannibal, Mo	17	77	69	91	90	91	100	108	100	101	91	78	69	108
Havana	15	68	68	91	89	94	100	109	100	98	90	76	67	109
Hillsboro	14	71	73	89	90	99	101	109	104	102	94	78	69	109
Keokuk, Ia	37	72	70	88	89	92	100	108	102	99	92	79	69	108
Knoxville	16	65	62	84	93	94	101	108	100	100	92	78	70	108
La Harpe	14	70	65	87	88	95	100	108	100	101	91	78	60	108
Lincoln	20	70	68	83	93	95	99	112	101	102	93	79	65	112
Martinsville	16	71	67	86	89	93	98	109	104	99	93	77	65	109
Martinton	18	68	66	85	90	99	102	106	101	104	95	76	65	106
Minonk	13	64	63	85	90	92	102	106	100	104	92	74	60	106
Monmouth	15	64	67	88	91	93	100	107	103	102	93	74	63	107
Pana	19	70	72	83	90	93	99	107	104	103	91	78	70	107
Paris	17	69	71	88	92	98	100	106	107	103	92	78	65	107
Peoria	53	67	70	87	92	98	101	106	104	105	90	80	71	106
Philo	21	67	70	86	90	97	100	104	101	101	93	76	64	104
Pontiac	6	65	60	84	84	90	96	98	99	96	85	71	61	99
Rantoul	17	66	66	87	91	95	100	106	102	103	92	75	63	106
Rushville	17	69	72	90	95	94	103	108	101	100	92	78	68	108
Springfield	29	71	72	91	88	92	98	107	100	99	91	77	67	107

Lowest temperature.

Alexander	15	-17	-27	- 6	18	28	41	46	44	23	12	- 1	-18	-27
Bloomington	16	-24	-24	- 1	15	26	31	41	37	22	16	- 7	-13	-24
Bushnell	15	-17	-27	0	12	28	38	47	42	26	18	- 1	-14	-27
Carlinville	17	-21	-23	0	22	28	38	49	47	25	20	4	-14	-23
Charleston	16	-17	-23	- 1	22	28	39	46	45	25	20	1	-12	-23
Coatsburg	15	-18	-29	- 3	20	26	39	49	48	28	19	- 1	-19	-29
Decatur	15	-22	-25	- 1	20	25	32	45	43	20	20	0	-15	-25
Griggsville	20	-20	-25	- 2	12	30	39	50	48	29	18	0	-16	-25
Hannibal, Mo	17	-15	-25	0	19	30	43	47	47	32	22	4	-18	-25
Havana	15	-15	-26	3	15	24	44	48	47	32	22	4	-15	-26
Hillsboro	14	-20	-22	- 2	23	29	42	49	48	26	24	3	-13	-22
Keokuk, Ia	37	-26	-27	- 6	14	28	43	50	47	30	20	- 3	-22	-27
Knoxville	16	-24	-28	- 3	9	24	36	42	43	19	18	- 6	-16	-28
La Harpe	14	-20	-30	- 3	13	26	37	48	42	23	18	- 2	-17	-30
Lincoln	20	-20	-25	0	18	30	37	45	42	26	19	0	-15	-25
Martinsville	16	-22	-22	- 4	22	28	35	46	44	25	17	4	-11	-22
Martinton	18	-22	-23	0	15	26	38	42	37	20	11	0	-17	-23
Minonk	13	-16	-28	- 1	8	26	36	42	40	22	16	- 5	-16	-28
Monmouth	15	-20	-27	- 3	10	25	33	43	40	18	13	- 4	-16	-27
Pana	19	-14	-24	- 3	22	26	35	48	47	26	16	2	-12	-24
Paris	17	-12	-21	- 2	22	27	33	45	40	24	19	3	-11	-21
Peoria	53	-27	-26	- 6	17	28	35	48	41	26	14	- 1	-22	-27
Philo	21	-25	-24	-13	17	24	31	41	38	17	12	0	-14	-25
Pontiac	6	-13	-23	3	22	29	40	47	46	33	24	11	-12	-23
Rantoul	17	-24	-24	- 1	13	26	38	42	44	24	20	- 5	-15	-24
Rushville	17	-16	-26	0	12	30	39	46	48	24	19	- 1	-16	-26
Springfield	30	-22	-24	2	19	32	40	49	48	31	20	2	-14	-24

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Alexander	15	8	8	12	10	12	10	9	8	8	6	7	8	106
Bloomington	16	8	7	10	9	10	8	8	7	7	5	7	8	94
Bushnell	15	5	4	7	6	7	7	6	5	6	3	6	4	66
Carlinville	17	8	8	10	10	11	11	9	7	7	6	7	8	102
Charleston	16	9	8	11	10	11	11	8	8	8	6	8	8	106
Coatsburg	15	6	5	7	8	9	9	8	6	7	5	6	6	82
Decatur	15	8	8	10	9	11	10	8	7	8	6	8	8	101
Griggsville	20	5	6	7	8	9	8	7	5	6	4	4	4	73
Hannibal, Mo	17	8	9	10	11	13	11	9	8	9	6	7	8	109
Havana	15	6	6	9	9	10	8	8	5	7	5	6	5	84
Hillsboro	14	8	8	11	10	11	11	9	7	8	6	7	8	104
Keokuk, Ia	37	9	8	10	9	11	12	9	8	9	9	8	9	111
Knoxville	16	6	6	8	7	10	8	8	6	6	5	6	6	82
La Harpe	14	6	4	8	6	9	8	7	5	6	4	5	4	72
Lincoln	20	8	8	9	8	10	8	8	7	7	5	7	7	92
Martinsville	16	7	6	8	7	9	9	6	6	5	4	6	6	79
Martinton	18	7	7	8	9	11	8	9	7	7	6	7	6	92
Minonk	13	7	6	9	7	12	9	9	7	7	5	8	6	92
Monmouth	15	6	6	9	9	12	10	9	8	8	7	7	6	97
Pana	19	7	7	9	8	11	10	8	6	7	5	7	7	92
Paris	17	7	5	8	9	10	10	7	6	6	6	6	6	86
Peoria	53	7	8	9	9	10	10	9	7	8	7	7	8	99
Philo	21	6	6	7	7	8	8	5	6	5	4	6	5	73
Pontiac	6	8	6	11	12	12	8	9	8	8	6	6	7	101
Rantoul	17	9	9	11	10	11	10	9	7	7	6	8	8	105
Rushville	17	7	8	9	10	11	9	8	8	8	5	7	6	96
Springfield	29	9	10	11	11	12	11	9	8	8	8	8	9	14

Average snowfall.

Alexander	15	6.3	7.1	3.3	0.6	0	0	0	0	0	T.	1.1	3.3	21.7
Bloomington	16	7.2	8.2	4.6	1.1	0	0	0	0	0	T.	1.6	3.9	26.6
Bushnell	15	5.6	7.2	4.6	0.7	0	0	0	0	0	T.	1.7	2.4	22.2
Carlinville	17	6.1	7.4	3.6	0.7	0	0	0	0	0	T.	1.3	3.2	22.3
Charleston	16	4.7	6.4	3.3	0.5	0	0	0	0	0	T.	1.0	3.1	19.0
Coatsburg	12	5.7	8.2	4.1	0.7	0	0	0	0	0	0.1	0.9	3.1	22.8
Decatur	15	6.3	7.6	4.4	0.4	0	0	0	0	0	T.	1.9	3.9	24.5
Griggsville	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Hannibal, Mo	17	6.7	8.3	3.3	1.0	T.	0	0	0	0	T.	0.9	2.8	23.0
Havana	15	6.3	8.9	3.7	0.4	0	0	0	0	0	T.	1.3	2.8	23.4
Hillsboro	14	5.1	6.4	3.7	0.6	0	0	0	0	0	T.	0.7	4.0	20.5
Keokuk, Ia	37	6.4	6.1	3.6	0.7	T.	0	0	0	0	0.1	1.4	3.1	21.4
Knoxville	16	7.1	8.2	4.9	1.0	0	0	0	0	0	0.1	2.5	3.6	27.4
La Harpe	14	7.6	9.5	5.2	0.7	T.	0	0	0	0	0.1	1.6	3.4	28.1
Lincoln	20	7.0	7.7	3.3	0.3	T.	0	0	0	0	T.	2.0	2.8	23.1
Martinsville	16	5.3	4.9	3.2	0.4	T.	0	0	0	0	0	0.6	3.5	17.9
Martinton	18	5.9	9.2	3.0	0.1	0	0	0	0	0	T.	2.3	3.6	24.1
Minonk	13	6.1	8.4	5.2	1.5	0.1	0	0	0	0	0.1	3.2	4.5	29.1
Monmouth	15	7.9	7.7	4.8	1.3	T.	0	0	0	0	0.2	1.4	3.6	26.9
Pana	19	5.7	5.9	2.2	0.3	0	0	0	0	0	T.	1.0	3.4	18.5
Paris	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Peoria	16	6.3	6.8	3.3	0.4	T.	0	0	0	0	T.	1.0	2.9	20.7
Philo	21	6.0	5.4	3.4	0.1	0	0	0	0	0	T.	1.6	3.3	19.8
Pontiac	6	9.0	9.1	5.2	0.7	0.1	0	0	0	0	T.	0.5	5.8	30.4
Rantoul	17	7.1	8.6	4.7	3.9	T.	0	0	0	0	T	2.6	3.9	30.8
Rushville	17	6.5	7.1	4.5	0.6	T.	0	0	0	0	T.	1.3	2.8	22.8
Springfield	25	6.6	6.2	3.5	0.4	0	0	0	0	0	T.	1.1	3.0	20.8

Average hourly wind movement (in miles).

Hannibal, Mo	17	9.8	10.3	11.2	10.9	9.4	8.3	7.5	6.9	8.1	8.8	9.6	9.7	9.2
Keokuk, Ia	21	8.0	8.5	9.3	9.4	7.5	6.4	6.1	5.9	6.8	7.1	8.0	8.2	7.6
Peoria	4	10.0	10.7	10.9	10.8	9.5	7.9	5.9	5.8	6.4	8.1	8.6	9.1	8.6
Springfield	29	10.1	10.6	11.0	10.7	8.1	7.4	6.6	6.5	7.7	8.6	9.7	9.9	8.9

Mean relative humidity.

Hannibal, Mo	8 a. m.	17	82	83	80	76	79	79	79	82	83	81	80	83	81
	8 p. m.	4	70	71	58	56	59	58	58	58	62	53	64	72	62
Keokuk, Ia	8 a. m.	37	81	80	78	76	74	78	77	80	81	80	80	80	78
	8 p. m.	....	77	76	69	62	64	66	60	63	65	63	69	76	68
Peoria	8 a. m	4	86	85	84	77	78	79	84	85	86	82	82	85	83.
	8 p. m.	3	78	74	70	57	66	62	63	66	65	62	68	78	67
Springfield	8 a. m.	20	82	81	80	74	76	77	76	80	81	79	78	80	79
	8 p. m.	20	74	73	69	60	62	62	58	61	63	59	67	74	65

Prevailing wind direction.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Hannibal, Mo.	17	sw.	nw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Keokuk, Ia	37	nw.	nw.	nw.	se.	s.	s.	s.	s.	s.	nw.	nw.	nw.	nw.
Peoria	4	s.	nw.	s.	nw	s.	s.	sw.	s.	s.	s.	s.	s.	s.
Springfield	29	nw.	nw.	nw.	s.	s.	s.	sw.	s.	s.	s.	s.	s.	s.

HYDROGRAPHIC DATA FOR SECTION 65, SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY, BY R. H. BOLSTER, ASSISTANT ENGINEER.

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D.C.

This section comprises tributaries of the Mississippi on the west and tributaries of the Wabash on the east.

The Illinois River, the most important of all tributaries of the upper Mississippi, enters the latter from the east about 24 miles above the mouth of the Missouri. Its drainage area is about 29,000 square miles, distributed among three states, Illinois, Wisconsin, and Indiana. The origin of the Illinois is formed by Kankakee River from the east and Fox and Des Plaines rivers from the north. The region drained by the Illinois is level or undulating and includes some of the finest land in the United States. Many large and prosperous cities are situated within it, and it is covered with a network of railroads. The drainage into the Illinois is quite evenly distributed along its course. The more important tributaries are Fox and Spoon rivers from the west, and the Kankakee, Vermilion, and Sangamon rivers from the east.

For description of the Wabash River drainage see sections 67 and 68, Climatological Data for the United States.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly distributed over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

MONTHLY DISCHARGE OF ILLINOIS RIVER, PEORIA, ILL.

For period April 1—Dec. 31, 1903, except July and Aug. 1903; April 1—Nov. 30, 1904; April 1, 1905—June 30, 1906.

Drainage area, 13,200 square miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area
January	19,800	8,460	11,500	.871	1.00
February	24,800	16,000	18,700	1.42	1.48
March	57,600	18,700	23,600	1.79	2.06
April	55,000	16,800	27,900	2.11	2.35
May	35,500	9,220	18,300	1.39	1.60
June	22,900	7,360	12,200	.924	1.03
July	13,700	[a]6,170	9,140	.692	.80
August	8,090	7,010	7,730	.586	.68
September	16,100	6,860	9,600	.727	.81
October	14,100	7,010	9,740	.738	.85
November	11,400	6,900	8,200	.621	.69
December	11,400	[b]7,080	8,680	.658	.76
The period	57,600	6,170	13,800	1.04	14.11

NOTE.—a, July (1-21), 1906. b, Dec. (1-12), 1904.

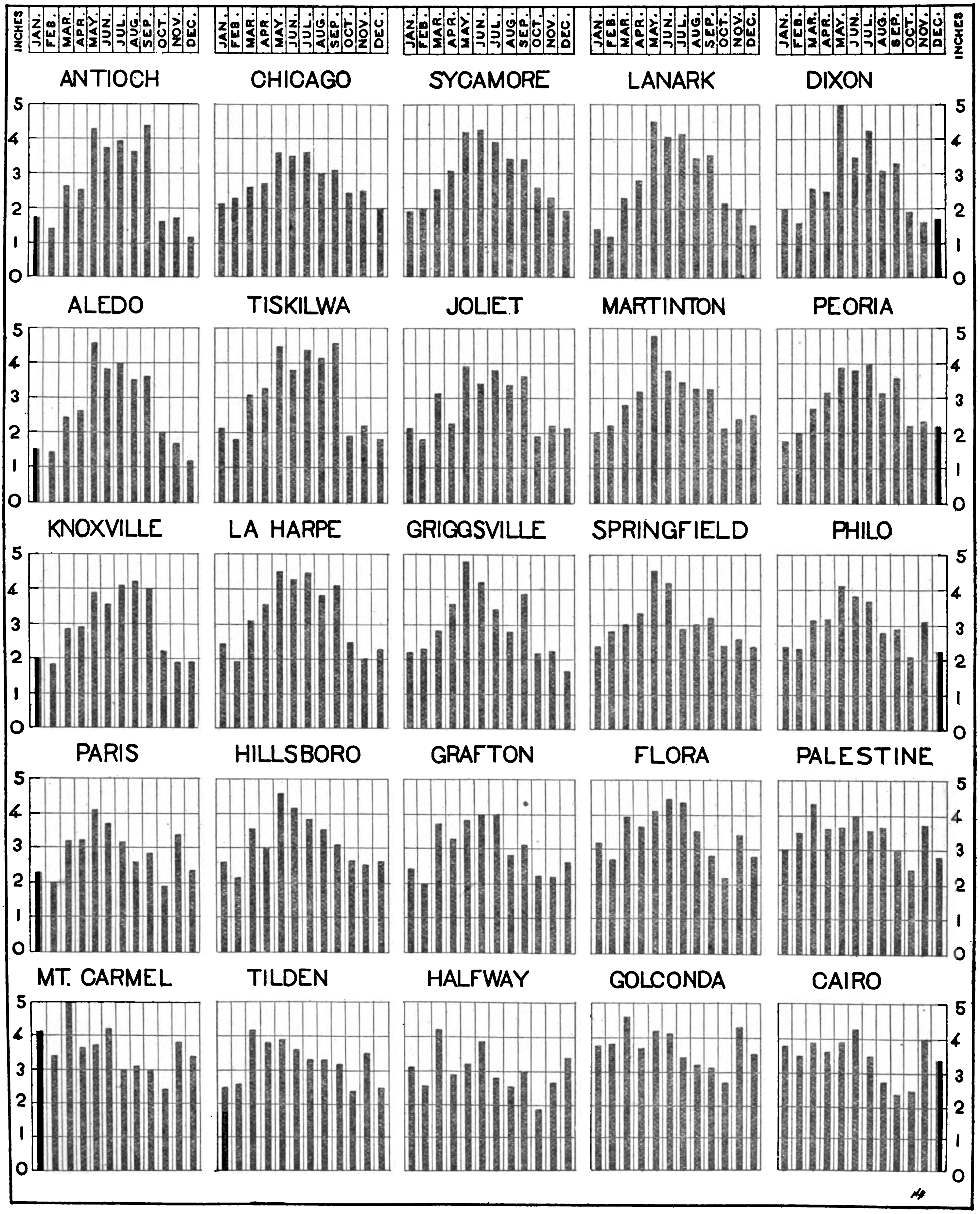


FIG 1.—Diagram showing the comparative monthly distribution of precipitation.

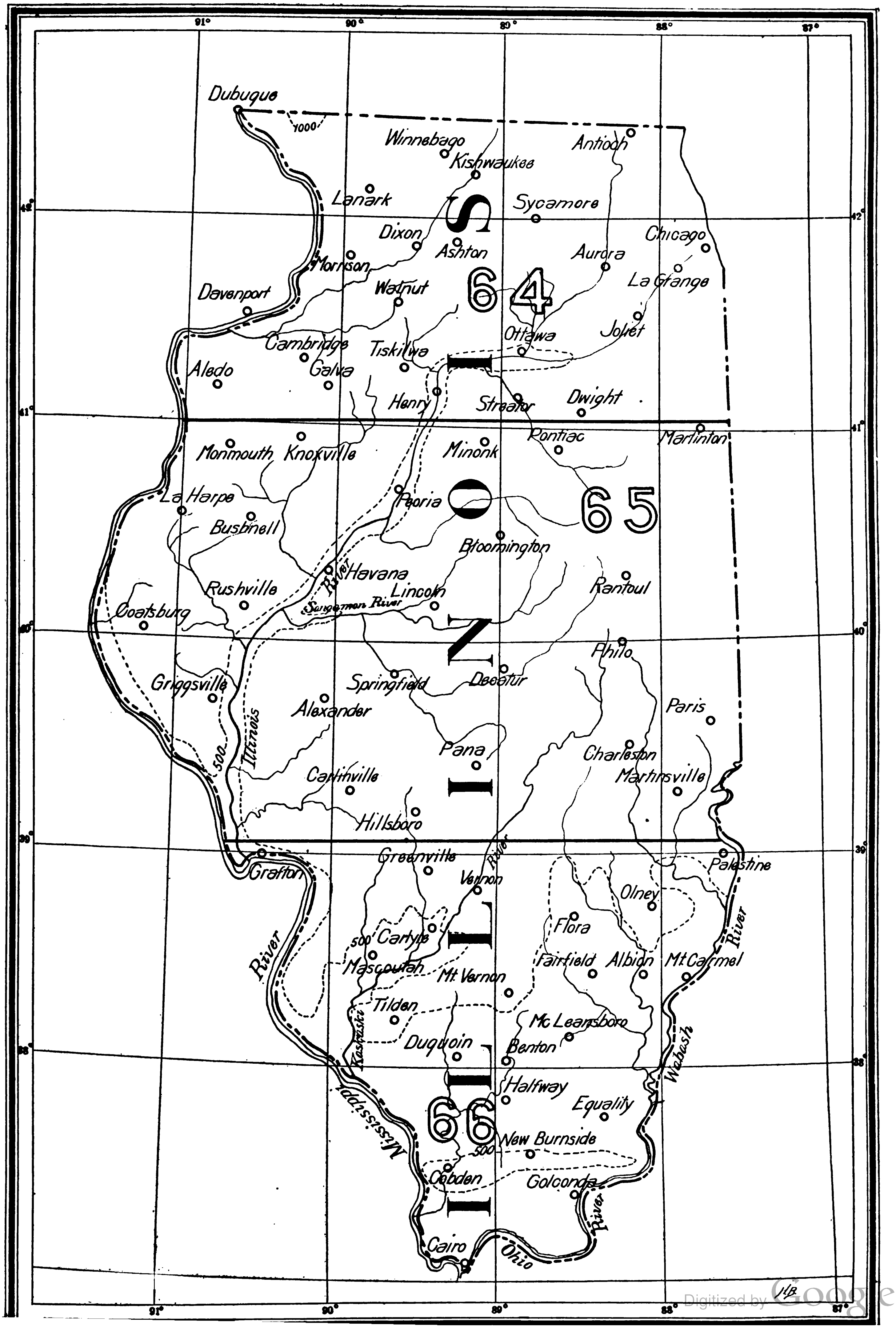


Fig. 2.—Chart showing the boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, in charge.

SECTION No. 66.—SOUTHERN ILLINOIS.

This discussion includes the portion between the 39th Parallel and the southern boundary of the State. The topography, especially in the extreme south, is more diversified than that of the other sections. The Ozark Ridge, extending east and west across the southern end, has an average elevation of about 800 feet, and attains a height of 1046 feet in the northwest part of Pope County. In the bottom-lands near the confluence of the Mississippi and the Ohio rivers the elevation is 300 feet. The Wabash River bounds the Section on the east, and the Ohio River on the southeast and south. The Mississippi River forms the western boundary. The Kaskaskia is the principal river traversing southern Illinois. It has a length of 180 miles, and drains an area of nearly 6000 square miles.

The soil of the bottom-lands, composed of alluvial deposits, is very fertile and productive; along the Ozark Ridge it is stony and compares with other soil similarly located; thence clayey soil merges into the black loam of the central district counties. The staple agricultural product is wheat. Truck gardens and farms abound. Apple culture is an important industry in the northern counties of the Section.

Rich coal deposits underlie the Section almost to its southern limits, and coal mining constitutes one of the important industries. Cairo, situated on a peninsula at the extreme southern end of the state, is an important river and railroad town. East St. Louis, on the Mississippi River, is a city with great commercial interests.

CLIMATIC CHARACTERISTICS.

The average rainfall of southern Illinois is considerably greater than the averages for the central and the northern districts. The rainfall is heavier south of the Ozark Ridge than in the counties north of the Ridge. The annual precipitation of the Section is 40.47 inches of which fifty-three per cent. occurs during the crop growing season, from April to September, inclusive. The seasonal distribution is not so favorable as in the other districts. The annual snowfall is 16.2 inches. The mean temperature is 55.8°, the individual means ranging from 53.4° to 58.0°. A summer maximum of 113° has been registered, and 25° below zero has occurred in winter. In the extreme south, a low temperature of 16° below zero has been recorded. The crop-growing season, the interval between the last killing frost in spring and the first killing frost in autumn, averages about 185 days. The average date of the last killing frost of spring is April 14, and of first killing frost of autumn, October 18.

The distribution of the precipitation over the section is shown in detail in the accompanying tables, by months and years from the beginning of observations to the end of 1908. Tables are given also showing the extremes and means of temperature, the occurrence of killing frost, average snowfall, average number of days with precipitation, average relative humidity, and the prevailng direction of the wind.

The accompanying chart shows the boundaries of the section, the location of the principal observing stations, the river systems, and the general elevation of the surface above sea-level.

Wm. G. BURNS,
Section Director.

Precipitation in Southern Illinois. Monthly, annual, and average amounts (in inches and hundredths.)

ALBION, EDWARDS COUNTY, ILL. Elevation, 531 feet.

Year.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
s1856.	....	2.30	0.65	1.05	2.93	1.87	6.93	4.86	0.86	1.07	3.64	2.95	.....
s1857.	....	4.52	1.13	1.70	4.37	6.83	3.24	5.75	1.37	1.19	5.29	3.24	.....
s1858.	3.47	2.44	3.74	5.28	8.33	5.66	5.08	1.45	2.19	4.08	3.28	6.00	51.00
s1859.	2.26	4.60	4.02	5.91	2.78	2.64	4.14	1.62	3.62	0.93	4.17	4.33	41.02
s1860.	.....	....	0.66	5.04	4.09	5.51	....	....	6.11	1.45	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1887.	0.50	4.41	5.60	5.42	2.08	3.78	3.96	†0.40	3.20	0.79	3.55	3.60	37.94
1888.	1.04	1.40	5.33	2.21	3.18	7.35	2.00	10.62	1.52	2.92	7.10	†4.01	48.68
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1893.	....	....	.....	....	....	....	....	....	....	....	....	0.85	.....
1894.	2.59	3.35	2.43	3.09	5.32	0.46	2.12	3.75	2.14	2.35	T	4.07	31.67
1895.	4.25	0.15	1.45	2.09	1.87	4.67	6.21	2.20	2.95	0.96	5.48	2.81	35.09
1896.	0.73	1.30	4.81	1.23	13.21	6.13	4.89	2.54	5.68	2.05	3.35	0.46	46.38
1897.	3.73	4.08	10.19	7.47	2.62	4.34	4.82	1.05	0.74	0.63	6.32	4.60	50.59
1898.	6.00	1.91	12.39	5.27	6.68	3.35	5.51	3.42	3.57	3.25	2.27	1.47	55.09
1899.	4.42	2.89	4.58	1.19	3.66	6.55	4.24	2.10	2.72	3.15	3.12	2.74	41.36
1900.	1.80	4.24	2.30	1.55	5.20	7.81	4.19	1.36	4.91	2.28	3.85	1.79	41.28
1901.	1.31	2.34	4.00	3.10	1.60	3.84	3.31	2.11	1.99	2.87	1.72	5.70	33.89
1902.	2.00	0.86	2.86	1.85	4.15	4.98	2.33	3.02	3.03	0.93	4.92	4.99	35.92
1903.	2.40	4.59	4.26	3.18	a2.05	3.05	4.19	4.92	1.28	4.55	1.41	2.01	37.89
1904.	4.47	2.71	12.06	2.82	3.06	3.57	1.80	2.23	5.86	0.45	0.60	3.28	42.91
1905.	2.70	1.63	2.76	4.21	4.29	1.83	5.88	2.05	2.37	6.06	2.62	3.56	39.96
1906.	5.44	2.44	5.35	1.61	2.00	1.99	2.00	3.92	4.85	2.14	5.45	4.45	41.64
1907.	8.65	0.71	4.74	3.51	4.12	4.81	3.92	6.98	0.32	2.21	4.02	5.20	49.19
1908.	2.56	6.55	4.99	5.38	7.60	0.99	2.59	1.83	0.71	T.	3.59	1.15	37.94
Mns	3.17	2.83	4.56	3.37	4.33	4.18	3.97	3.24	2.82	2.10	3.61	3.33	41.51

† Values for Fairfield, 16 miles distant.
a Values for Mt. Carmel. 16 miles distant.
s Values 1856 to 1860 for West Salem, 10 miles distant.

BENTON, FRANKLIN COUNTY, ILL. Elevation, 598 feet.

1002.	0.60	0.80	3.66	2.37	2.79	2.88	1.62	3.30	1.80	0.96	4.89	5.55	31.22
1903.	1.74	4.31	4.01	3.39	2.53	2.47	1.60	3.13	1.97	2.43	0.98	1.92	30.48
1904.	2.67	3.34	8.41	4.01	3.16	3.57	5.20	2.21	5.75	0.26	0.52	2.76	41.86
1905.	1.03	1.15	2.27	1.65	0.84	2.22	8.65	2.35	1.90	2.01	2.77	1.62	28.46
1906.	4.85	2.70	*6.23	0.70	1.60	2.95	0.47	2.67	7.02	1.90	7.75	3.90	42.74
1907.	7.05	0.45	2.26	1.82	5.30	10.72	*3.77	7.47	1.00	2.30	4.78	3.71	50.63
1908.	2.56	8.79	3.29	7.00	4.95	0.72	3.00	2.05	1.00	0.00	3.35	1.75	38.46
Mns	2.93	3.08	4.30	2.99	3.02	3.65	3.47	3.31	2.92	1.41	3.58	3.03	37.69

* For Halfway 15 miles distant.

CAIRO, ALEXANDER COUNTY, ILL. Elevation, 359 feet.

1871.	....	....	....	....	....	....	5.97	2.22	2.34	3.81	2.93	4.25	.....
1872.	1.44	2.26	2.02	4.52	5.00	1.79	3.45	0.19	2.56	1.16	0.57	1.56	26.52
1873.	5.03	6.68	3.27	5.54	5.07	4.45	1.68	2.48	4.09	5.28	3.04	4.25	50.86
1874.	3.11	7.38	6.68	7.57	1.55	2.20	0.52	2.79	3.14	1.54	7.34	3.81	47.63
1875.	3.21	2.17	6.73	3.01	3.11	8.41	9.88	3.32	0.16	1.76	7.96	3.21	52.93
1876.	15.05	2.34	9.84	2.67	5.84	6.62	3.44	5.24	0.73	2.14	0.96	0.73	55.60
1877.	1.93	0.25	3.62	3.87	2.13	4.88	5.63	1.58	3.15	3.12	4.76	4.55	39.47
1878.	3.05	1.94	2.97	5.61	4.41	4.61	2.81	3.45	2.99	2.59	3.80	3.53	41.76
1879.	2.81	2.03	2.95	3.03	2.79	8.70	1.37	7.05	0.93	3.87	3.25	6.63	45.41
1880.	4.56	5.01	4.52	3.25	4.64	2.92	4.34	2.61	4.55	6.96	3.98	2.22	49.56
1881.	3.56	4.97	1.33	3.62	2.44	1.81	0.18	0.11	2.74	2.74	4.98	3.70	32.13
1882.	6.35	10.14	4.22	4.14	10.22	3.34	5.25	3.46	3.28	2.57	5.96	2.65	61.58
1883.	2.74	8.52	2.14	5.64	3.85	6.11	7.95	1.73	0.34	6.97	4.36	2.18	52.53
1884.	2.32	5.58	4.20	3.65	4.57	2.95	7.34	2.74	5.02	1.89	2.41	8.99	51.66
1885.	3.49	1.48	1.08	1.43	3.21	4.63	0.82	2.40	4.76	2.89	2.79	3.01	31.99
1886.	3.82	2.54	2.84	6.64	2.98	4.87	1.01	2.84	2.52	0.45	5.73	1.74	37.98
1887.	2.15	4.60	2.18	2.09	1.37	2.34	1.42	1.10	1.67	0.38	3.33	4.12	26.75
1888.	2.80	2.51	4.91	3.08	3.58	5.48	3.32	5.45	0.28	3.24	4.85	2.40	41.90
1889.	4.61	1.57	1.40	0.97	1 91	8.07	5.15	1.10	3.82	2.81	5.56	0.77	37.74
1890.	6.32	7.57	6.14	3.76	4.19	1.45	1.62	5.16	2.29	3.04	6.08	2.91	50.53
1891.	3.95	3.20	5.86	1.55	2.48	3.97	2.21	4.77	0.29	0.49	7.30	3.49	39.56
1892.	2.01	3.32	2.29	5.28	5.55	3.55	1.73	5.23	0.90	0.74	4.20	3.91	38.71
1893.	1.26	3.93	2.09	6.91	6.70	7.59	1.23	1.64	6.83	6.26	2.75	1.60	48.79
1894.	2.18	4.77	4.14	2.54	2.79	1.04	1.92	1.68	2.69	1.47	1.42	3.87	30.51
1895.	3.77	0.39	2.76	2.75	1.48	4.86	5.97	0.71	1.86	0.50	5.27	3.25	33.57
1896.	1.45	1.69	3.97	2.57	10.82	4.73	2.31	1.78	2.95	1.73	4.18	1.18	39.36
1897.	3.89	3.95	7.50	6.49	1.12	6.87	2.76	0.89	0.53	0.91	5.50	3.69	44.10
1898.	6.26	1.18	9.20	2.13	5.36	1.73	5.67	3.56	6.11	4.64	1.55	1.27	48.66
1899.	5.46	2.51	3.59	2.33	5.27	5.74	3.90	1.06	2.25	3.42	3.05	3.84	42.42
1900.	2.00	3.20	1.29	1.79	3.98	10.07	3.13	0.27	2.40	1.70	4.63	2.43	36.89
1901.	1.52	1.78	3.62	2.70	2.00	0.91	4.57	3.83	1.56	3.40	1.77	4.02	31.68
1902.	3.42	1.37	2.12	3.36	2.13	2.47	0.40	3.26	3.29	0.79	3.51	6.95	33.07
1903.	2.35	4.19	4.28	1.85	3.52	2.37	4.89	0.81	0.75	1.98	2.07	3.85	32.91
1904.	4.05	1.70	4.60	2.98	2.03	3.61	4.20	2.59	1.91	1.20	0.15	2.98	32.00
1905.	3.41	1.98	2.84	2.19	4.11	6.00	4.43	3.79	0.69	3.00	3.64	3.40	39.48
1906.	6.17	1.42	6.07	1.29	0.46	2.33	3.86	5.73	4.77	0.44	7.88	6.50	46.92
1907.	7.77	3.58	3.39	3.81	6.78	2.95	3.92	2.43	1.14	2.90	4.43	2.48	45.58
1908.	2.84	6.98	1.88	6.63	4.90	3.15	1.92	4.28	1.01	0.02	3.32	1.54	38.47
Mns	3.84	3.53	3.91	3.60	3.90	4.31	3.48	2.77	2.45	2.49	3.98	3.35	41.61

COBDEN, UNION COUNTY, ILL. Elevation, 656 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
†1875.	0.95	2.71	5.88	4.09	7.98	7.11	11.09	2.01	0.38	2.09	5.25	1.51	51.05
1876.	13.25	2.48	8.82	4.48	5.01	7.76	4.46	9.41	3.14	1.40	2.02	0.78	63.01
1877.	1.80	0.70	3.87	4.75	4.45	7.12	1.64	3.47	5.95	5.33	4.58	4.78	48.44
1878.	3.16	1.86	2.28	5.66	5.73	3.91	2.82	3.66	2.35	4.25	3.08	4.88	43.64
1879.	4.70	2.10	2.39	1.48	2.65	7.02	4.46	12.51	1.40	5.75	4.93	5.59	51.98
1880.	4.58	5.38	4.20	4.67	7.27	4.82	3.78	2.20	3.48	4.54	4.28	3.29	52.49
1881.	2.79	5.34	1.99	2.29	2.57	5.35	0.00	0.38	1.91	6.51	6.10	2.17	37.40
1882.	4.39	8.17	4.52	4.09	9.77	3.04	3.09	4.19	3.47	2.06	6.04	2.97	55.80
1883.	2.25	8.19	3.93	5.75	6.64	8.21	2.86	4.02	0.51	7.21	6.85	5.14	61.56
1884.	2.01	5.38	4.05	3.80	4.99	7.44	5.49	2.65	3.33	1.42	2.54	9.57	52.67
1885.	4.64	1.23	1.43	2.69	2.24	6.89	2.19	4.13	4.54	3.43	1.80	2.92	38.13
1886.	3.18	2.33	4.05	3.45	3.71	3.84	1.16	2.63	4.33	0.74	6.65	3.25	39.32
*	*	*	*	*	*	*	*	*	*	*	*	*	*
†1895.	....	....	....	....	2.10	....	6.52	2.41	....	....	....	....	.....
1896.	a1.51	1.55	3.72	2.89	9.30	5.50	3.76	2.24	2.38	2.32	3.75	0.89	39.81
1897.	4.47	4.47	12.64	8.31	2.00	4.67	2.99	2.05	1.06	0.77	5.13	5.15	53.71
1898.	4.20	1.37	14.16	4.28	5.76	7.83	7.35	4.81	5.21	6.42	1.60	1.69	64.68
1899.	5.76	3.52	4.04	4.17	6.06	4.26	4.23	1.42	2.44	4.65	1.91	4.17	46.63
1900.	1.70	4.09	2.28	2.70	6.57	9.52	4.52	0.51	2.55	2.20	4.00	2.90	43.54
1901.	1.34	2.45	5.73	3.74	1.69	2.57	1.20	5.96	0.77	1.97	1.28	5.68	34.38
1902.	1.52	2.53	4.22	3.04	3.13	2.78	0.82	4.45	3.42	0.84	4.92	6.36	38.03
1903.	2.26	4.76	5.87	3.54	3.16	2.25	3.22	1.85	1.31	3.59	2.22	2.82	36.85
1904.	4.05	2.90	6.75	4.28	2.54	5.84	2.83	4.73	9.11	0.90	0.32	2.55	46.80
1905.	3.45	2.10	3.03	4.83	4.34	2.10	9.55	2.85	2.94	6.46	2.24	3.50	47.39
1906.	6.45	2.36	6.70	1.17	0.67	4.77	3.80	5.07	8.72	1.67	7.75	5.50	54.63
1907.	5.82	1.56	2.95	3.11	5.44	2.77	4.18	5.41	0.79	4.22	5.17	3.10	44.52
1908.	3.86	8.06	4.60	8.10	5.16	1.70	3.37	3.75	1.92	0.00	4.90	1.07	46.49
Mns	3.64	3.50	4.96	4.05	4.65	5.16	3.90	3.80	3.10	3.23	4.37	3.69	48.05

a Interpolated from surrounding stations.
† Values from 1875 to 1886, inclusive, and the year 1895 are for Anna.
Values 1896 to 1908, inclusive, are for Cobden. The stations are 5 miles apart.

CARLYLE, CLINTON COUNTY, ILL. Elevation, 450 feet.

1885.	....	....	....	3.50	3.72	5.29	0.62	4.06	6.77	4.39	2.97	3.49	.....
1886.	3.12	1.40	2.42	2.09	2 35	8.10	1.34	3.78	5.48	0.72	3.91	2.67	37.38
1887.	1.31	4.46	4.51	3.47	4.03	2.75	2.02	0.38	3.10	1.12	7.45	4.04	38.64
1888.	2.54	2.77	3.46	1.77	3.95	7.59	3.61	7.18	0.87	2.47	3.58	2.78	42.57
1889.	2.76	1.76	1.81	*1.50	4.93	6.41	4.86	1.09	3.43	1.83	5.32	1.48	37.18
1890.	8.41	3.86	4.56	5.40	3.65	3.08	0.58	1.22	3.44	0.60	2.39	0.77	37.96
1891.	1.45	3.75	2.57	2.62	3.18	5.30	0.73	2.37	0.87	1.69	6.05	1.05	31.63
1892.	2.44	3.03	1.24	8.33	6.81	4.60	4.21	†2.64	1.09	1.28	4.23	1.36	41.26
1893.	†0.84	†3.72	2.73	10.94	4.16	5.62	3.49	0.89	4.35	0.51	2.02	1.28	40.55
1894.	2.17	2.17	2.68	2.20	3.47	1.44	2.06	0.84	4.97	1.44	0.68	2.92	27.04
1895.	2.30	1.06	1.97	2.06	3.85	1.90	10.42	4.19	2.46	0.55	3.64	4.53	38.93
1896.	2.39	2.62	2.46	1.57	6.67	3.36	6.92	3.55	6.86	1.93	5.31	0.39	44.03
1897.	4.04	2.75	10.24	4.45	2.77	3.50	4.23	0.21	0.09	0.64	5.43	2.75	41.10
1898.	3.98	1.76	11.93	3.91	9.55	6.48	6.23	4.66	2.87	4.21	2.44	1.80	59.82
1899.	2.79	3.21	2.68	1.80	4.18	2.38	3.09	3.33	0.46	3.70	1.72	2.82	32.16
1900.	0.56	2.87	1.95	1.32	6.25	8.70	....	1.25	5.64	2.83	3.35	1.70	.....
1901.	0.72	1.81	3.85	2.78	2.38	3.47	0.27	2.65	1.09	2.80	2.24	4.21	27.27
1902.	1.07	1.02	5.23	2.50	2.47	7.75	3.00	6.44	2.51	1.36	2.86	3.96	40.17
1903.	1.58	3.31	3.01	3.64	3.39	2.13	0.95	3.23	1.95	3.97	0.85	2.12	30.13
1904.	3.10	0.71	8.69	4.48	2.41	2.73	6.92	4.53	5.95	0.83	0.38	1.20	41.93
1905.	2.35	1.53	2.60	6.99	4.44	5.81	11.21	2.93	5.94	5.79	2.09	2.45	54.13
1906.	3.08	1.78	4.72	1.71	1.64	2.05	0.47	2.65	5.26	0.84	4.90	2.13	31.23
1907.	6.51	0.94	3.56	3.95	3.81	8.27	4.36	4.65	0.89	2.86	2.41	3.70	45.91
1908.	1.90	4.51	3.48	5.05	9.98	3.90	5.10	1.90	1.10	0.50	4.15	0.50	42.07
Mns	2.67	2.51	4.02	3.65	4.34	4.69	3.76	2.90	3.23	2.02	3.35	2.34	39.48

* Interpolated from surrounding stations.
† Values for Greenville, 19 miles distant.

GRAFTON, JERSEY COUNTY, ILL. Elevation, 422 feet.

1894.	....	....	....	2.33	2.03	1.94	1.35	2.15	3.75	1.89	1.90	3.04	.....
1895.	0.38	0.38	1.58	1.30	2.59	2.96	7.51	1.92	2.78	0.53	4.61	7.23	33.77
1896.	1.45	2.47	1.69	2.80	6.46	7.03	5.09	1.93	3.37	1.16	1.02	0.50	34.97
1897.	2.87	2.01	6.97	6.51	1.17	4.99	3.73	1.24	0.11	0.07	3.81	2.72	36.20
1898.	5.90	1.30	8.01	3.18	9.03	3.49	5.08	2.03	4.53	4.35	2.31	1.34	50.55
1899.	1.12	2.52	3.73	2.91	8.02	2.58	2.27	3.31	1.46	4.75	2.17	2.36	37.20
1900.	0.76	4.52	2.05	2.08	6.67	2.54	4.04	2.46	4.64	1.78	2.29	0.96	34.79
1901.	1.78	1.95	2.46	1.44	0.38	1.52	2.10	1.08	0.45	1.86	1.68	3.88	20.58
1902.	1.03	0.96	3.95	2.67	1.41	8.48	1.30	3.58	3.74	1.91	2.43	4.48	35.94
1903.	1.67	3.28	3.44	3.40	2.47	3.40	1.34	4.44	5.48	1.85	0.53	1.64	32.94
1904.	3.50	0.43	6.17	5.16	3.33	5.99	5.34	4.58	4.18	1.35	0.32	1.84	42.19
1905.	1.40	0.67	2.09	2.94	2.98	0.49	5.09	4.21	4.46	8.17	1.54	2.19	36.23
1906.	1.86	3.17	4.08	2.34	4.44	5.10	1.60	4.26	5.32	1.41	3.92	3.40	40.90
1907.	5.52	1.42	2.38	3.14	2.62	5.54	6.74	3.83	0.55	2.32	1.64	1.72	37.42
1908.	2.04	3.86	2.78	6.75	4.20	2.86	5.46	0.72	1.74	0.54	2.08	1.44	34.47
Mns	2.23	2.07	3.67	3.26	3.85	3.93	3.87	2.78	3.10	2.26	2.15	2.58	35.75

EQUALITY, GALLATIN COUNTY, ILL. Elevation, 421 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899.	5.79	3.12	5.35	3.09	3.86	3.53	10.04	1.80	3.14	4.25	2.32	2.83	49.12
1900.	2.41	4.22	2.43	1.87	3.89	9.93	2.07	1.15	2.81	1.50	4.07	2.12	38.47
1901.	0.65	1.76	3.26	3.06	1.65	3.02	2.11	3.39	0.85	4.74	1.54	3.53	29.56
1902.	2.55	1.03	3.09	3.09	2.71	1.84	1.69	3.39	3.74	1.06	4.91	5.17	34.27
1903.	2.67	4.44	7.27	3.53	2.60	2.40	1.83	1.62	0.60	2.17	1.29	2.74	33.16
1904.	4.39	3.49	7.80	4.09	3.33	3.95	3.69	2.70	8.85	2.05	0.39	2.66	47.39
1905.	2.77	1.70	3.05	3.38	4.91	2.21	9.40	3.78	1.88	7.72	2.82	3.30	46.92
1906.	7.60	1.99	6.88	2.16	1.48	2.88	3.93	6.33	5.06	1.56	7.75	7.52	55.14
1907.	10.90	1.35	4.13	3.25	6.47	5.53	1.96	8.07	1.67	3.88	4.96	3.73	55.90
1908.	2.85	6.58	5.21	5.85	6.20	2.45	4.34	3.81	0.44	0.05	2.69	1.30	41.77
Mns	4.26	2.97	4.85	3.34	3.71	3.77	4.11	3.60	2.90	2.90	3.27	3.49	43.17

FAIRFIELD, WAYNE COUNTY, ILL. Elevation, 495 feet.

1885.	....	1.37	0.35	2.17	3.36	4.20	1.70	2.00	7.16	2.24	2.55	3.00	.....
1886.	2.87	1.65	2.45	3.28	2.55	4.20	0.65	2.57	2.86	0.24	6.50	2.58	32.40
1887.	2.06	3.96	5.93	4.63	5.33	1.73	2.49	0.40	3.85	0.70	4.87	3.96	39.91
1888.	3.70	2.00	3.49	1.04	2.18	0.12	1.93	5.91	0.44	1.08	1.99	4.01	27.89
1889.	2.65	1.25	2.21	a1.10	4.40	5.75	4.72	1.75	5.49	a2.00	a5.30	a2.00	38.62
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1895.	....	....	....	....	....	....	4.51	1.78	2.86	....	3.97	3.64	.....
1896.	1.15	1.69	2.88	1.24	6.81	8.29	6.00	1.36	6.64	2.43	3.98	0.43	42.90
1897.	3.82	3.70	12.00	5.51	2.18	4.17	6.93	0.43	0.87	0.66	6.46	3.90	50.93
1898.	5.06	1.20	11.99	5.01	6.69	5.05	5.05	4.91	4.35	3.30	2.39	1.64	56.64
1899.	3.54	2.55	2.76	1.68	3.91	2.66	5.08	2.48	0.77	5.26	1.72	2.14	34.55
1900.	0.93	2.94	2.18	1.17	4.24	9.07	3.82	1.75	3.94	1.63	3.45	1.64	36.76
1901.	1.03	1.91	3.64	2.83	1.82	1.81	1.58	2.61	1.84	3.09	1.31	4.84	28.31
1902.	1.48	1.00	3.65	1.78	2.97	4.55	1.83	3.29	1.55	0.76	3.18	4.11	30.15
1903.	1.68	3.19	3.34	3.54	3.37	2.07	4.41	7.12	1.34	2.14	0.81	2.67	35.68
1904.	3.04	2.15	9.72	2.86	3.90	2.78	4.90	6.83	6.04	0.34	0.70	2.63	45.89
1905.	1.99	1.27	2.75	3.98	2.87	3.89	5.06	3.99	2.31	6.93	1.84	3.40	40.28
1906.	3.99	1.90	3.39	2.28	0.70	3.45	2.45	3.68	5.43	2.95	4.50	4.14	38.86
1907.	7.39	0.30	3.34	3.33	5.40	5.74	4.70	5.58	1.03	2.32	3.61	2.96	45.76
1908.	†2.56	†6.55	†4.99	5.30	8.02	1.21	2.59	2.61	0.35	0.00	3.21	1.02	38.41
Mns	2.88	2.25	4.50	2.93	3.93	3.95	3.71	3.21	2.97	2.12	3.28	2.88	38.61

Values 1885 to 1889, inclusive, and April 1908 to December 1908, are for Fairfield Values 1895 to 1907, inclusive, are for Cisne. Cisne is 14 miles from Fairfield.

† For Albion, 16 miles from Fairfield.

a Interpolated from surrounding stations.

GOLCONDA, POPE COUNTY, ILL. Elevation, 500 feet.

1866.	0.50	1.20	5.88	2.05	3.33	...	3.32	1.67	7.83	0.87	3.20	3.48	....
1867.	1.90	6.20	4.50	0.70	6.00	1.80	4.40	1.10	0.60	0.90	3.20	1.60	32.90
1868.	2.20	0.60	4.10	4.20	3.20	1.30	2.10	2.60	4.70	1.10	1.04	3.30	30.44
1869.	1.40	1.20	9.40	4.20	2.20	4.00	2.00	1.00	0.80	0.60	1.10	2.76	30.66
1870.	4.50	7.50	4.60	3.80	2.10	3.70	1.40	2.50	1.60	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1878.	....	....	....	....	....	....	5.66	1.12	2.96	3.74	4.80	4.73	.....
1879.	2.48	2.39	3.15	4.08	1.83	5.95	3.99	11.31	1.65	5.11	4.48	8.61	55.03
1880.	5.67	5.51	4.27	3.74	7.50	3.57	6.07	2.65	4.53	6.71	4.37	1.67	56.26
1881.	2.80	5.85	2.05	3.91	3.50	4.21	0.61	0.17	4.30	3.69	5.83	4.17	41.09
1882.	6.05	10.19	4.72	3.85	10.24	4.00	5.90	11.58	3.83	2.81	5.64	2.43	71.24
1883.	3.33	6.84	1.57	6.98	7.13	6.15	4.13	1.27	0.71	6.67	8.66	3.66	57.10
1884.	2.12	6.61	4.04	4.95	4.74	7.52	5.49	0.49	5.02	3.46	2.07	8.15	54.66
1885.	4.82	1.48	1.01	2.86	2.76	8.82	2.18	4.86	5.78	4.00	2.67	3.24	44.48
1886.	3.05	3.01	3.19	4.42	4.05	3.81	1.35	3.89	2.69	0.37	4.97	1.82	36.62
1887.	2.14	5.32	2.39	2.89	2.00	2.66	1.11	1.71	5.19	0.64	4.02	3.67	33.74
1888.	3.75	1.14	6.59	2.36	2.99	7.00	1.65	4.48	0.72	2.58	4.98	2.14	40.38
1889.	4.54	1.15	1.58	0.95	3.38	7.27	5.27	1.57	4.78	1.58	6.58	2.53	41.18
1890.	7.35	7.47	9.21	4.79	4.70	2.17	0.83	2.58	4.91	2.90	7.35	1.37	55.03
1891.	4.58	3.50	6.62	1.64	3.05	4.84	1.85	6.33	0.38	0.75	7.94	3.84	45.32
1892.	1.07	2.99	2.61	5.57	7.24	2.68	4.10	3.94	....	2.05	3.88	1.58	.....
1893.	2.04	4.11	2.43	8.82	4.92	3.78	3.04	2.50	2.62	4.63	3.32	2.45	44.66
1894.	3.08	4.60	3.54	3.73	3.07	1.77	1.69	2.98	1.80	2.02	1.39	5.41	35.08
1895.	3.79	0.38	3.16	2.71	†1.56	†4.44	9.03	1.13	4.04	0.77	7.20	3.46	41.67
1896.	1.63	1.64	1.36	....	....	....	....	1.65	3.01	2.79	4.38	1.29	.....
1897.	4.49	5.13	11.44	7.65	1.70	3.58	3.84	1.01	0.20	1.29	4.23	3.38	47.94
1898.	7.03	1.25	8.93	4.03	5.17	2.33	6.00	1.56	7.68	3.90	2.31	1.84	52.03
1899.	6.78	2.97	6.12	3.39	6.20	3.32	4.19	3.47	2.33	3.62	2.14	5.27	49.80
1900.	2.17	4.17	1.76	2.62	5.97	10.14	2.73	1.73	2.68	1.41	6.52	2.05	43.95
1901.	1.66	1.54	4.10	3.98	1.51	0.91	1.96	3.54	0.70	5.45	1.94	4.33	32.39
1902.	3.56	1.80	2.82	3.50	3.33	2.16	1.66	4.20	2.83	1.70	4.96	7.16	39.68
1903.	2.63	5.22	5.90	2.65	3.34	1.60	2.76	2.35	1.94	2.83	1.81	3.71	36.74
1904.	4.87	2.67	8.47	4.01	2.70	4.01	3.82	3.35	6.49	1.47	0.32	3.58	45.76
1905.	3.71	2.03	3.34	4.12	6.93	2.04	6.17	4.30	3.44	7.18	4.34	4.53	52.13
1906.	6.81	2.13	7.68	1.90	1.99	3.16	2.74	5.10	4.11	2.12	7.68	8.89	54.31
1907.	8.90	2.05	4.04	3.84	7.07	4.82	3.70	6.38	2.09	2.68	4.78	4.12	54.47
1908.	3.58	10.31	3.22	6.39	4.92	4.85	3.51	1.93	1.36	0.11	4.16	1.54	45.88
Mns	3.74	3.78	4.57	3.74	4.19	4.07	3.44	3.17	3.11	2.69	4.26	3.53	44.29

† Estimated.

Values from August 1, 1898 to December 1907, inclusive, are for Raum.

All other values are for Golcouda. These stations are 7 miles apart.

FLORA, CLAY COUNTY, ILL. Elevation, 495 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1869.	....	....	....	10.90	5.10	6.40	6.10	2.70	4.30	3.00	5.70	3.80	.....
1870.	4.90	1.30	3.30	2.50	3.00	4.30	6.30	5.10	1.30	3.50	1.80	2.60	39.90
1871.	3.30	5.20	3.50	0.90	5.90	2.60	3.50	2.35	1.90	2.50	2.57	2.35	36.57
1872.	1.05	1.70	1.90	4.20	4.70	3.10	9.50	2.70	1.70	1.00	0.50	1.70	33.75
1873.	3.70	2.60	4.31	4.30	5.20	3.00	6.40	2.30	3.60	3.10	1.40	9.59	49.40
1874.	3.20	4.60	6.30	6.10	3.60	3.40	6.20	9.80	1.50	2.20	3.80	4.30	55.00
1875.	1.30	4.40	4.50	1.40	8.30	....	15.30	2.90	3.50	1.80	2.70	2.60	.....
1876.	9.80	3.40	5.90	4.10	9.80	6.40	6.50	4.00	2.60	1.80	3.00	0.30	62.60
1877.	1.70	1.20	3.15	4.60	6.40	11.40	2.40	4.50	1.60	4.60	3.60	3.00	43.15
1878.	3.00	3.70	1.80	4.80	5.80	3.20	6.50	2.90	1.10	3.40	2.30	6.30	44.80
1879.	5.10	1.40	5.10	2.60	2.10	1.20	2.30	5.50	1.00	2.90	5.00	3.20	37.40
1880.	4.50	2.20	2.70	2.50	5.40	3.90	2.50	4.50	7.70	3.20	1.80	2.50	43.40
1881.	....	1.85	3.00	1.80	1.71	7.50	....	....	....	....	....	....	.....
1882.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1883.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1884.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1885.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1886.	....	1.02	3.79	4.55	1.25	7.57	1.89	4.69	3.52	0.73	6.75	3.03	.....
1887.	1.48	6.24	6.56	4.90	3.51	3.56	3.48	2.26	2.77	1.17	5.23	3.65	44.81
1888.	2.39	2.72	5.22	1.62	3.32	4.83	1.79	7.66	1.26	2.35	6.16	1.97	41.29
1889.	2.60	2.49	2.23	1.16	4.88	11.49	6.14	2.00	5.66	1.95	5.45	2.11	48.16
1890.	8.31	4.15	6.45	4.80	2.70	3.72	3.14	3.05	4.90	1.38	2.20	2.50	47.29
1891.	1.50	5.15	3.25	1.87	2.00	5.00	0.20	6.10	1.40	1.80	6.60	2.20	37.07
1892.	2.10	4.00	1.75	7.60	7.00	1.50	3.50	5.85	0.50	0.75	4.40	0.75	39.70
1893.	1.25	3.20	4.20	10.85	4.95	2.75	0.65	1.20	....	....	2.90	1.33	.....
1894.	2.41	2.43	2.97	3.20	3.77	1.91	2.96	1.75	4.09	*1.60	0.68	3.00	30.77
1895.	3.46	0.16	1.63	1.84	2.47	5.60	5.20	2.56	2.58	0.46	4.34	3.77	34.07
1896.	1.05	2.02	2.75	1.55	4.05	5.20	6.26	1.04	4.23	2.31	3.92	0.31	34.69
1897.	3.93	2.29	9.42	6.00	2.31	4.28	2.95	0.39	0.24	0.37	5.48	2.95	40.61
1898.	4.86	....	....	....	....	....	....	....	4.76	4.06	2.41	1.52	.....
1899.	2.94	2.69	3.48	1.49	2.73	4.56	3.53	2.57	0.60	4.54	1.71	2.65	33.49
1900.	0.76	3.17	1.91	1.36	4.95	8.28	5.61	1.28	4.26	2.24	3.04	1.94	38.80
1901.	0.86	2.19	3.45	3.07	2.04	3.91	2.09	2.80	0.84	2.95	1.82	5.18	31.21
1902.	1.25	0.94	2.64	2.35	1.55	4.63	2.53	3.13	3.37	1.01	2.85	*4.11	30.36
1903.	2.04	2.02	3.57	4.79	1.75	2.18	3.89	5.62	2.51	1.81	0.83	1.92	32.93
1904.	2.37	2.00	9.50	2.45	3.40	5.14	3.41	3.02	6.26	0.37	0.86	2.15	40.93
1905.	1.45	1.29	2.32	3.45	4.06	2.29	5.85	3.36	2.35	6.95	1.83	2.86	38.06
1906.	*3.99	2.33	3.87	1.22	0.69	2.52	2.17	4.76	6.78	2.29	5.71	3.33	39.66
1907.	7.59	0.63	3.09	3.63	4.02	6.08	4.44	4.98	0.95	1.89	2.92	3.33	43.55
1908.	1.50	5.43	3.18	5.10	7.82	1.08	3.22	0.90	1.06	0.10	2.80	0.98	33.23
Mns	3.15	2.71	3.90	3.70	4.07	4.54	4.37	3.54	2.84	2.24	3.29	2.85	41.20

Values 1869 to 1881 and 1890 to January 1898, inclusive, are for Louisville.

Values 1886 to 1889 and September 1898 to December 1908, inclusive, are for Flora. These stations are 7 miles apart.

* For Cisne, 11 miles from Flora.

HALF WAY, WILLIAMSON COUNTY, ILL. Elevation, 569 feet.

1887.	1.47	6.91	2.96	....	....	....	....	....	....	....	....	....	.....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1893.	....	....	....	....	....	4.45	1.50	1.95	3.00	....	....	....	.....
1894.	2.00	1.30	3.40	1.60	3.35	2.10	0.50	1.75	3.75	3.75	0.90	2.60	27.00
1895.	3.35	0.65	1.20	1.80	1.55	4.75	3.75	2.60	2.00	0.20	6.61	5.70	34.16
1896.	1.00	2.00	4.55	2.35	5.00	3.95	2.20	0.50	2.60	2.00	1.91	0.46	28.52
1897.	2.83	2.86	11.43	6.34	2.58	5.45	2.66	....	....	1.15	....	2.92	.....
1898.	....	....	....	....	....	2.73	2.19	....	....	....	....	....	.....
1899.	4.46	2.46	5.16	2.99	3.18	2.97	1.46	1.00	3.03	4.49	2.07	2.55	38.82
1900.	1.71	4.02	1.89	1.91	3.09	8.65	2.99	0.68	2.71	0.73	3.40	1.92	33.70
1901.	1.37	1.45	3.36	2.86	2.30	1.75	0.50	3.60	1.64	2.77	1.30	5.21	28.11
1902.	1.87	0.74	3.16	2.57	3.63	2.87	1.57	3.58	2.54	0.78	4.12	4.75	32.18
1903.	2.03	4.65	4.03	2.75	3.06	2.78	2.78	1.46	1.61	3.19	0.96	2.19	31.49
1904.	3.60	3.94	5.97	4.50	3.18	2.47	4.82	2.80	5.55	0.83	0.53	2.81	41.00
1905.	2.75	1.46	2.43	3.59	3.25	2.23	5.00	....	....	....	2.13	3.19	.....
1906	6.18	2.24	6.23	1.52	2.21	4.12	3.76	3.79	6.79	1.35	6.40	6.60	51.19
1907.	8.25	1.10	2.92	3.22	4.58	6.65	3.77	6.98	0.79	....	....	....	.....
1908.	....	....	....	....	....	....	....	....	....	....	....	....	.....
Mns	3.06	2.55	4.18	2.92	3.15	3.86	2.83	2.56	3.00	1.93	2.67	3.41	36.12

Values for 1887 and for 1893 to 1897, inclusive, for Herrin. Values for 1898 to 1907 inclusive, for Halfway. These stations are 11 miles apart.

MT. VERNON, JEFFERSON COUNTY, ILL. Elevation, 511 feet.

1895.	....	....	....	....	2.21	1.94	5.94	3.15	3.13	0.27	4.66	3.80	.....
1896.	1.77	1.95	4.05	1.67	7.64	3.37	6.30	3.06	6.19	1.86	3.10	0.29	41.25
1897.	3.57	3.39	10.18	4.47	1.30	7.49	3.00	0.77	0.41	0.56	4.00	1.89	41.03
1898.	5.80	1.60	11.94	3.54	5.86	5.28	6.43	3.18	4.54	4.41	2.14	2.12	56.90
1899.	3.26	3.38	2.90	2.27	4.19	1.94	1.98	2.40	0.90	3.95	1.30	2.19	33.66
1900.	1.08	2.94	1.43	1.48	5.37	8.35	3.72	1.81	4.07	1.56	3.49	1.67	36.97
1901.	1.37	2.54	3.79	2.51	1.23	2.32	0.69	3.29	1.53	2.25	1.79	4.05	27.36
1902.	1.45	0.92	3.92	1.42	5.14	5.35	2.81	2.85	3.26	0.28	4.47	4.91	36.78
1903.	1.60	3.37	3.15	3.66	2.54	4.89	0.94	2.87	1.94	3.20	0.84	2.68	31.74
1904.	3.33	2.58	10.01	3.79	5.50	5.17	5.66	3.99	4.22	0.56	0.81	3.10	48.72
1905.	2.42	1.41	3.18	4.92	3.55	2.14	7.97	2.75	4.24	5.87	2.52	3.89	44.89
1906.	3.74	2.78	5.58	1.58	1.68	2.75	1.07	2.27	6.50	1.87	6.90	3.18	39.90
1907.	8.15	1.00	3.38	3.22	4.39	5.50	3.98	6.61	0.97	3.49	3.64	3.50	47.83
1908.	2.16	6.63	5.42	6.18	6.23	1.41	3.87	1.83	0.92	T.	2.33	1.01	37.99
Mns	3.06	2.66	5.30	3.13	4.06	4.14	4.10	2.92	3.05	2.15	2.99	2.73	40.29

GREENVILLE, BOND COUNTY, ILL. Elevation, 635 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	....	....	....	....	2.96	9.45	3.68	....	....	....	....	....	.....
1883.	1.00	4.50	3.66	5.05	6.25	4.21	7.50	3.52	0.03	9.52	6.62	2.46	54.32
1884.	2.80	8.90	3.22	4.16	7.89	8.15	6.82	4.16	6.14	5.00	2.38	7.62	66.54
1885.	2.08	1.87	0.03	5.90	5.19	5.06	3.97	4.92	6.86	5.42	2.95	3.45	48.42
1886.	4.20	1.85	4.17	6.00	6.40	8.45	1.90	4.03	7.24	0.37	2.80	3.30	50.71
1887.	....	....	....	....	....	2.97	2.21	1.31	4.09	1.39	6.38	4.68	.....
1888.	2.68	2.75	3.64	2.28	5.00	6.52	6.06	3.92	1.47	2.62	4.59	3.00	44.53
1889.	2.65	2.04	1.81	1.70	7.10	4.43	3.45	0.58	4.24	2.50	5.30	1.57	37.37
1890.	9.61	4.50	4.21	4.62	2.58	2.49	1.17	2.60	2.89	1.00	2.06	1.64	39.37
1891.	1.50	3.04	3.16	2.24	2.63	5.91	0.93	4.37	0.41	1.57	6.29	1.52	33.57
1892.	2.62	4.41	2.37	7.91	7.79	5.37	3.10	2.64	2.08	1.53	4.26	2.28	46.36
1893.	0.84	3.72	3.54	11.86	5.61	5.16	1.68	0.19	3.73	0.49	1.90	2.40	41.12
1894.	2.45	2.45	3.53	3.52	3.31	1.51	2.69	2.31	4.74	0.78	1.89	2.73	31.92
1895.	1.93	0.79	2.66	3.19	3.16	2.64	6.97	2.05	3.02	0.77	4.56	5.45	37.19
1896.	3.54	3.32	2.37	2.26	7.28	5.03	2.26	1.50	5.82	2.80	5.36	0.82	42.36
1897.	4.97	3.25	7.50	3.90	0.91	3.37	5.69	1.36	0.18	0.59	7.19	3.96	42.87
1898.	3.97	4.23	9.73	3.58	6.51	4.28	4.37	2.61	3.80	5.58	2.26	1.47	52.39
1899.	2.48	2.00	3.38	1.82	5.47	2.58	1.89	4.73	0.84	2.98	2.13	3.90	34.20
1900.	1.41	4.86	2.09	2.27	7.63	8.39	2.51	0.51	4.27	2.04	4.05	1.20	41.23
1901.	1.40	2.02	3.32	2.87	1.96	2.21	1.69	4.40	1.17	2.35	1.25	3.68	28.32
1902.	0.61	1.37	4.19	2.69	2.63	8.15	2.02	4.41	2.43	3.24	3.41	3.92	39.07
1903.	1.29	3.48	3.34	4.07	1.71	2.41	2.29	2.84	1.84	2.51	1.10	1.80	28.08
1904.	4.25	1.10	11.43	4.19	3.52	5.33	5.12	5.98	5.04	1.31	0.20	1.84	49.31
1905.	1.95	1.73	2.14	3.91	5.07	4.26	4.46	3.44	3.47	6.17	1.95	2.08	40.63
1906.	4.50	3.07	5.35	2.72	3.04	3.65	1.37	2.03	5.52	1.48	4.25	2.61	39.59
1907.	6.18	0.75	2.55	2.73	4.03	6.20	5.27	5.97	0.79	3.28	1.82	3.63	43.20
1908.	1.46	5.68	3.93	5.35	8.73	5.29	4.94	2.25	0.55	0.02	2.72	0.97	41.89
Mns	2.90	3.11	3.89	4.03	4.78	4.94	3.56	3.02	3.18	2.59	3.41	2.85	42.26

MASCOUTAH, ST. CLAIR COUNTY, ILL. Elevation, 425 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	3.50	7.25	5.00	2.65	4.75	5.81	5.12	2.37	4.25	3.66	5.74	2.37	52.47
1883.	1.55	12.25	3.00	3.25	6.20	6.70	5.60	3.20	....	7.60	3.50	2.10	.....
1884.	1.42	6.70	5.60	5.30	7.70	5.50	1.40	1.60	3.80	1.60	3.40	6.90	50.92
1885.	1.10	0.71	0.44	6.30	2.30	8.10	5.00	4.20	7.10	6.60	3.10	3.74	48.69
1886.	3.51	2.59	3.81	6.80	5.90	4.90	1.20	2.90	6.90	0.70	4.92	2.50	46.63
1887.	1.58	4.70	4.80	3.40	3.80	1.50	3.50	1.20	2.70	1.50	5.50	4.20	38.38
1888.	2.70	3.10	3.80	1.50	4.80	8.70	1.30	5.60	1.40	3.30	3.20	†2.03	41.43
1889.	2.65	*4.80	0.80	2.20	4.90	5.00	6.40	1.30	4.20	2.40	4.80	1.60	41.05
1890.	10.00	4.70	4.62	8.20	2.80	3.20	0.30	1.90	5.30	†0.85	2.60	1.30	45.77
1891.	1.65	3.18	3.07	2.50	2.60	5.30	0.70	7.40	1.90	1.30	6.40	1.40	37.40
1892.	2.70	3.00	2.45	9.20	7.70	6.20	3.50	1.10	1.40	1.40	3.60	1.55	43.80
1893.	0.74	2.43	3.50	10.20	4.20	2.80	2.50	1.30	5.70	3.00	1.60	0.60	38.57
1894.	1.17	2.21	2.40	3.50	4.40	1.70	2.00	1.50	4.50	0.80	0.40	3.63	28.21
1895.	3.36	1.76	2.19	1.60	3.20	2.10	4.80	1.70	1.90	0.50	3.75	5.75	32.61
1896.	1.54	2.41	2.89	2.30	9.70	5.20	3.80	1.40	5.80	1.90	4.20	0.10	41.24
1897.	4.71	3.59	9.91	3.64	2.27	4.83	3.27	0.14	1.00	0.40	4.68	2.73	41.17
1898.	4.03	2.89	11.33	4.21	6.84	5.62	4.84	5.57	3.80	4.42	2.43	1.48	57.46
1899.	2.70	3.45	2.88	1.95	5.56	3.59	1.94	2.12	0.65	3.36	3.50	3.41	35.11
1900.	0.40	3.99	3.40	1.80	5.50	5.17	2.65	1.47	3.32	1.99	3.84	1.44	34.97
1901.	1.61	2.55	3.10	2.81	4.19	3.10	0.76	0.73	1.80	2.76	1.44	3.53	28.38
1902.	1.36	0.83	4.78	2.70	3.15	5.00	2.59	4.40	2.52	1.55	3.53	3.75	36.16
1903.	1.76	4.74	2.34	3.54	2.12	3.92	3.83	3.30	2.83	3.45	1.58	1.44	34.85
1904.	3.15	1.71	7.78	4.11	3.25	6.90	5.05	7.50	4.25	0.88	0.70	1.52	46.80
1905.	3.37	1.84	2.89	5.69	4.66	1.64	6.07	1.77	6.66	6.14	2.90	2.23	45.86
1906.	4.28	3.35	6.22	2.00	1.50	3.04	0.90	2.33	5.12	1.85	....	....	.....
1907.	....	....	....	3.85	8.19	3.33	3.61	4.50	1.74	2.82	2.76	3.45	.....
1908.	1.84	5.44	3.30	5.91	10.67	3.85	4.73	2.70	0.81	0.11	3.28	0.61	43.25
Mns	2.63	3.70	4.09	4.12	4.92	4.54	3.24	2.79	3.51	2.48	3.36	2.51	41.89

* Interpolated from surrounding stations.
† For Collinsville, 16 miles distant.

MCLEANSBORO, HAMILTON COUNTY, ILL. Elevation, 462 feet.

1882.	2.99	4.97	3.22	2.86	6.27	3.93	3.06	7.85	3.99	2.82	2.77	2.60	47.33
1883.	2.30	8.27	3.32	3.19	5.20	9.13	3.14	2.54	0.00	9.28	6.64	3.50	56.51
1884.	2.15	3.87	2.55	2.96	2.80	5.27	1.78	2.70	3.80	1.92	1.88	8.24	39.92
1885.	4.20	1.10	0.89	2.22	2.51	4.83	1.74	3.67	6.02	3.66	2.56	3.50	36.90
1886.	3.51	2.75	4.10	4.14	4.92	3.82	1.29	2.61	2.50	0.70	6.69	2.69	39.71
1887.	0.98	3.94	3.10	3.43	3.35	3.45	3.05	0.19	1.45	0.77	3.08	3.29	30.08
1888.	2.81	1.57	4.77	1.48	2.79	5.83	2.18	7.76	1.06	2.28	4.88	2.47	39.88
1889.	3.20	2.36	1.95	0.88	2.80	....	4.31	3.02	4.33	1.52	5.74	1.77	.....
1890.	7.12	5.23	5.91	4.03	4.10	2.10	5.53	7.05	4.69	1.13	...	1.38	.....
1891.	*3.30	*4.50	2.08	*2.50	1.92	3.59	1.29	8.51	0.78	0.55	5.20	2.35	35.57
1892.	1.43	3.44	0.93	7.50	6.92	2.30	1.85	3.97	....	2.11	4.25	0.98	.....
1893.	1.12	3.55	3.25	6.02	5.96	4.54	1.89	2.12	2.44	2.35	2.48	1.51	37.23
1894.	2.35	2.88	3.01	3.38	5.33	1.12	0.98	....	....	....	...	....	.....
1895.	....	....	....	2.22	1.99	7.62	7.11	2.03	3.00	0.57	5.57	2.85	.....
1896.	1.47	2.24	4.51	2.00	7.06	4.55	4.38	1.29	3.91	1.73	2.39	0.70	36.23
1897.	4.23	4.00	11.29	7.27	2.53	5.52	3.43	1.70	0.63	0.45	5.85	5.12	52.02
1898.	4.98	1.29	11.11	5.38	6.05	4.99	3.57	5.15	2.75	3.77	1.26	1.69	51.99
1899.	4.96	2.61	4.33	1.95	3.82	4.91	5.16	3.14	2.02	4.03	2.46	2.36	41.75
1900.	1.24	3.52	....	2.08	5.34	6.13	4.45	0.63	3.07	1.53	3.97	1.25	.....
1901.	1.41	2.10	3.79	2.73	1.06	2.39	2.87	2.65	0.94	2.33	1.36	5.20	28.83
1902.	1.93	0.96	3.83	2.18	3.30	2.68	2.21	2.71	2.44	0.85	3.65	5.27	32.01
1903.	2.21	4.86	3.72	3.75	3.38	4.09	1.31	3.90	1.71	2.96	0.98	2.20	35.07
1904.	3.78	3.49	8.89	3.93	3.32	4.67	5.48	2.12	10.11	0.40	0.94	3.17	50.30
1905.	2.61	1.55	2.61	4.25	3.49	1.81	7.39	3.30	3.03	4.01	2.66	3.46	40.17
1906.	6.20	2.74	5.38	1.46	0.50	2.89	1.92	4.35	5.43	1.76	5.32	6.01	43.96
1907.	7.72	0.91	2.97	2.16	3.61	2.89	1.62	5.80	1.03	1.96	3.83	4.12	38.62
1908.	2.35	7.55	4.45	7.10	6.60	0.65	2.83	2.17	0.41	T.	3.23	1.33	38.67
Mns	3.18	3.32	4.24	3.45	3.96	4.07	3.10	3.57	2.86	2.13	3.59	3.04	40.51

* Interpolated from surrounding stations.

MT. CARMEL, WABASH COUNTY, ILL. Elevation, 424 feet.

1876.	9.35	2.71	5.04	3.33	1.79	6.24	1.68	3.81	2.63	1.74	2.10	1.95	42.37
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1884.	....	....	....	....	....	....	2.05	1.29	5.62	2.51	1.97	7.59	.....
1885.	3.81	1.48	0.95	2.71	2.85	4.38	2.38	5.16	8.57	2.96	4.25	2.20	41.73
1886.	4.23	1.90	2.30	3.67	2.89	3.09	1.69	4.14	2.22	0.47	5.84	2.61	35.05
1887.	0.87	4.53	3.96	4.52	4.29	0.75	4.14	1.61	2.91	0.91	4.42	2.80	35.71
1888.	3.46	1.66	5.94	1.99	2.50	3.81	3.19	7.15	0.62	2.71	4.69	2.15	39.87
1889.	3.24	1.76	1.47	2.04	5.60	4.72	3.60	2.13	3.84	2.29	7.11	2.82	40.62
1890.	8.77	7.41	8.27	3.65	3.19	3.02	4.77	6.14	4.66	2.35	5.26	1.73	59.22
1891.	2.83	6.04	4.70	2.05	3.19	3.53	1.57	2.11	1.22	0.48	5.48	3.25	36.45
1892.	2.40	4.58	2.41	6.40	4.94	3.85	2.93	4.11	1.80	1.28	4.26	1.25	40.21
1893.	2.61	4.81	4.00	7.93	4.56	5.84	1.41	1.44	3.43	3.18	2.62	2.02	43.85
1894.	2.70	4.80	3.87	3.18	5.29	2.10	1.19	2.61	2.34	2.14	0.44	4.48	35.14
1895.	5.84	0.50	2.61	3.14	2.43	1.83	5.77	1.91	2.96	0.42	5.75	3.55	36.71
1896.	0.94	2.40	5.49	2.25	9.23	4.69	3.96	2.52	4.15	2.04	3.34	0.41	41.42
1897.	4.52	4.10	10.22	6.20	3.14	3.15	3.10	0.59	0.60	0.58	6.09	4.88	47.77
1898.	6.53	1.79	11.35	4.42	5.82	8.16	3.57	3.28	3.64	3.53	2.54	2.21	56.84
1899.	4.93	4.01	5.16	1.15	3.35	5.65	3.47	1.39	2.03	4.89	1.82	3.33	41.18
1900.	2.01	4.41	2.13	1.11	4.09	7.91	4.17	1.09	3.63	1.61	4.32	2.09	38.57
1901.	1.63	1.70	5.20	3.34	1.84	4.44	0.32	1.46	2.14	4.43	1.74	6.07	34.31
1902.	2.37	1.10	2.99	2.07	2.52	4.98	1.65	2.66	3.17	1.83	5.00	5.82	36.16
1903.	3.58	5.46	4.44	5.82	2.05	6.22	3.46	2.71	1.38	3.96	1.89	3.44	44.41
1904.	4.82	3.50	12.84	2.64	1.32	3.05	4.46	4.15	5.68	0.60	0.64	3.66	47.36
1905.	3.28	2.28	3.14	4.82	4.82	2.39	7.48	3.54	1.26	7.14	3.00	3.32	46.47
1906.	5.85	2.52	6.50	2.16	0.82	3.58	2.96	5.82	5.66	4.42	7.60	6.04	53.93
1907.	9.39	1.28	4.50	3.48	3.80	3.64	3.42	6.88	0.64	2.02	4.72	4.92	48.69
1908.	1.44	8.86	4.62	5.96	6.22	1.16	1.96	1.00	2.04	0.10	2.70	2.03	38.09
Mns	4.06	3.42	4.96	3.60	3.70	4.09	3.09	3.10	3.03	2.33	3.85	3.33	42.56

OLNEY, RICHLAND COUNTY, ILL. Elevation, 486 feet.

1887.	1.16	....	6.00	5.44	4.44	....	2.51	1.82	2.80	0.75	5.52	....	.....
1888.	1.93	1.57	5.25	1.80	2.61	4.41	5.64	9.78	0.91	2.82	7.06	2.65	46.43
1889.	2.73	2.66	1.91	1.23	4.70	5.71	7.59	3.32	5.09	2.71	4.66	3.96	46.27
1890.	7.21	4.48	6.52	3.81	3.95	4.37	1.25	4.44	5.84	1.38	2.46	2.16	47.87
1891.	2.06	5.48	4.23	2.74	1.30	3.54	0.56	4.41	1.33	1.45	6.71	2.37	36.18
1892.	1.35	4.15	1.56	7.85	5.11	2.07	4.14	3.26	0.76	0.82	3.39	1.03	35.49
1893.	0.64	3.73	4.05	10.44	4.14	5.38	0.96	2.65	3.95	1.97	3.10	1.74	42.75
1894.	2.27	3.19	3.06	2.80	5.20	1.39	2.28	2.63	2.42	2.02	0.47	3.34	31.07
1895.	4.25	0.45	1.40	2.15	1.78	3.00	5.85	1.48	2.06	0.13	4.40	3.47	30.42
1896.	0.89	2.21	3.07	1.52	6.13	3.82	8.67	0.47	4.57	1.69	5.56	0.46	39.06
1897.	3.77	2.92	11.77	6.49	2.75	4.48	2.85	0.40	0.71	0.52	6.57	3.86	47.09
1898.	5.22	1.93	10.97	5.00	4.38	1.10	4.76	3.58	4.41	3.06	2.14	1.89	48.44
1899.	3.98	2.81	3.03	0.99	2.93	3.95	2.82	2.92	0.93	2.86	1.82	2.66	31.70
1900.	0.93	2.99	2.37	1.21	3.14	6.29	4.15	1.36	3.67	1.58	2.54	1.67	31.90
1901.	1.00	2.88	4.24	2.58	3.09	2.56	0.25	2.45	1.07	2.49	1.27	5.16	29.04
1902.	1.41	0.69	2.64	1.51	1.85	4.70	3.07	3.20	2.14	1.33	3.51	4.01	30.06
1903.	2.94	4.02	3.66	4.96	0.94	3.57	4.46	2.49	0.42	1.99	1.35	2.87	33.67
1904.	4.00	2.05	10.60	2.20	6.56	3.06	2.27	1.76	6.13	0.53	0.94	4.02	44.12
1905.	2.89	1.29	2.61	3.74	3.11	2.09	4.13	4.40	2.07	8.70	1.65	2.41	39.09
1906.	3.37	2.33	4.84	1.93	1.29	3.21	3.97	3.77	7.75	2.98	5.55	4.19	45.18
1907.	7.53	0.52	4.50	3.92	6.38	5.77	7.08	6.37	1.35	2.43	3.57	3.52	52.94
1908.	1.98	5.17	3.76	5.07	6.63	1.01	3.52	1.02	0.83	0.24	3.81	1.05	34.09
Mns	2.89	2.74	4.64	3.61	3.75	3.59	3.76	3.09	2.78	2.02	3.55	2.79	39.21

NEW BURNSIDE, JOHNSON COUNTY, ILL. Elevation, 556 feet.

1895.	....	....	2.65	2.20	1.98	2.24	5.51	1.26	2.81	0.60	7.03	2.05	.....
1896.	1.33	1.20	2.86	3.36	9.44	5.90	4.90	2.54	2.54	1.74	3.14	0.68	39.63
1897.	2.70	3.35	10.97	5.82	1.10	4.15	5.81	0.81	1.18	1.20	4.07	2.71	43.87
1898.	4.67	1.07	8.51	3.76	7.28	2.77	5.82	3.28	4.33	4.35	0.99	2.24	49.07
1899.	5.36	2.63	4.91	4.04	5.37	2.22	4.72	1.42	1.53	5.18	1.86	3.78	43.02
1900.	1.84	3.36	1.89	2.08	3.90	9.08	3.43	0.77	2.36	2.74	3.99	1.61	37.05
1901.	1.01	2.14	3.72	3.63	1.63	1.34	0.33	2.81	1.00	3.92	1.70	4.85	28.08
1902.	2.89	0.77	3.08	3.49	3.20	3.40	2.04	4.33	5.07	*0.78	5.71	6.03	40.79
1903.	1.01	4.90	6.21	2.76	3.06	3.13	1.43	2.13	0.89	3.35	1.06	3.19	33.12
1904.	4.49	2.92	7.48	5.06	3.11	3.83	5.24	2.33	5.31	1.74	0.51	3.20	45.22
1905.	2.61	1.72	2.72	5.25	5.59	2.31	10.39	3.00	2.96	6.44	2.74	3.58	49.31
1906.	6.65	2.54	6.68	1.32	1.66	3.11	4.76	4.88	5.43	0.86	8.33	8.31	54.53
1907.	9.97	2.11	3.77	2.84	4.85	5.26	4.72	5.56	1.28	3.10	4.30	3.16	50.92
1908.	2.84	7.67	3.18	6.52	5.31	1.94	3.74	3.13	1.31	T.	4.85	0.62	41.11
Mns	3.64	2.80	4.90	3.72	4.11	3.62	4.49	2.73	2.71	2.57	3.59	3.29	42.17

* Values for Halfway, 15 miles distant.

PALESTINE, CRAWFORD COUNTY, ILL. Elevation, 500 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	....	....	....	....	....	5.60	1.92	3.27	2.17	1.68	2.02	3.88	.....
1883.	2.10	8.47	3.62	3.40	2.09	4.43	8.30	1.95	0.35	7.58	7.65	4.10	54.04
1884.	1.90	4.40	1.79	3.05	5.38	5.09	3.34	1.75	5.29	1.40	2.27	5.84	41.50
1885.	3.25	1.65	0.46	4.70	2.85	3.40	2.40	3.08	8.73	2.59	2.61	2.33	38.05
1886.	2.88	1.70	2.55	5.36	3.56	6.15	3.69	3.21	2.21	0.26	5.52	2.60	39.69
1887.	1.01	4.83	4.18	3.84	5.30	1.30	1.59	2.60	2.44	0.88	4.21	3.40	35.62
1888.	1.75	1.47	4.72	2.08	2.40	*4.98	2.30	4.50	0.76	2.55	5.67	2.16	35.34
1889.	2.72	2.20	1.71	1.37	4.00	5.50	2.46	2.95	5.44	2.33	5.43	1.93	38.04
1890.	9.20	4.96	5.65	4.07	4.31	2.58	2.35	3.56	5.38	2.97	2.74	1.90	49.67
1891.	2.00	5.68	4.15	1.84	0.76	*2.87	0.86	6.30	1.33	1.38	5.65	2.13	34.95
1892.	1.15	4.97	1.88	9.18	6.60	3.53	2.47	3.02	1.60	1.08	4.43	2.00	41.91
1893.	2.00	4.39	3.40	9.12	3.70	4.60	0.71	*2.71	3.33	3.37	3.12	1.53	41.98
1894.	2.21	5.01	1.97	2.88	5.60	2.68	1.85	3.92	2.94	2.15	1.05	2.22	34.48
1895.	4.37	*0.63	1.66	3.65	3.43	2.05	7.04	3.10	1.46	0.57	4.85	3.69	36.50
1896.	1.00	2.47	2.19	1.07	3.90	7.33	7.76	3.22	4.30	2.60	5.30	0.54	41.68
1897.	3.38	2.95	11.02	5.60	3.45	3.61	2.08	0.01	1.60	1.09	6.33	3.18	44.30
1898.	5.33	1.56	11.45	3.82	3.15	4.06	2.80	4.29	7.42	4.61	3.15	2.33	53.97
1899.	3.74	1.95	4.96	1.91	3.28	3.40	2.98	3.12	1.47	2.99	2.13	3.62	35.55
1900.	1.95	4.55	4.02	1.47	3.86	6.77	11.96	2.00	4.43	1.59	4.06	2.64	49.30
1901.	1.03	2.95	5.57	2.52	1.34	6.42	0.97	2.75	1.38	2.79	2.00	5.34	35.06
1902.	2.46	1.43	3.77	2.23	4.60	7.73	1.63	6.22	3.14	2.40	3.37	3.78	42.76
1903.	2.60	3.97	4.47	5.41	0.52	2.51	4.51	6.83	0.73	2.66	1.95	1.42	37.58
1904.	4.10	2.30	9.76	1.95	3.16	2.22	3.81	2.78	5.45	0.10	1.10	4.48	41.21
1905	2.00	1.45	2.82	3.36	3.67	1.46	6.28	2.94	2.44	8.54	1.80	2.61	39.37
1906.	4.81	2.25	5.07	1.32	1.40	1.66	3.56	9.97	4.05	1.09	5.05	3.35	43.58
1907.	6.55	0.10	5.55	3.54	4.15	4.48	4.15	7.32	0.60	2.70	2.90	3.31	45.38
1908.	1.60	5.89	4.13	4.64	9.58	1.96	2.48	0.87	1.78	0.10	3.23	1.40	37.66
Mns	2.97	3.24	4.33	3.59	3.69	3.98	3.56	3.64	3.05	2.37	3.69	2.88	40.99

* Interpolated from surrounding stations.

ST. JOHN, PERRY COUNTY, ILL. Elevation, 459 feet.

†1887.	....	....	4.11	....	3.29	....	2.40	0.21	2.47	....	....	....	.....
†1888.	3.20	2.20	3.50	2.00	3.70	8.10	2.20	6.00	0.70	2.60	4.60	2.50	40.80
†1889.	2.85	2.25	....	....	....	....	....	....	....	....	....	....	.....
1890.	....	....	....	....	....	....	....	....	....	....	....	....	.....
1891.	0.46	4.25	2.22	4.16	1.10	2.09	1.54	4.19	0.69	1.00	4.78	1.25	27.73
1892.	1.50	2.56	2.16	5.98	7.76	2.14	2.08	*1.73	0.56	2.74	3.53	1.35	34.09
1893.	0.40	2.93	3.69	9.81	3.74	4.66	1.16	1.58	2.79	2.58	3.20	1.28	37.82
1894.	1.86	3.56	3.91	2.62	3.62	3.40	1.37	1.69	2.66	2.91	1.59	2.74	31.93
1895.	2.07	1.05	2.94	2.12	2.50	2.84	5.07	2.04	2.59	0.83	*4.94	*3.56	32.55
1896.	1.58	2.43	3.89	3.19	9.46	4.40	6.83	2.14	2.70	1.94	3.86	1.31	43.73
1897.	3.17	2.46	11.55	4.55	2.45	4.52	1.91	0.66	1.50	1.46	4.70	4.16	43.09
1898.	4.07	1.32	9.98	3.53	6.06	3.15	7.52	2.86	3.60	3.06	1.17	2.87	49.19
1899.	3.65	3.73	3.34	2.67	3.03	4.73	3.60	2.53	0.84	4.08	2.76	2.08	37.04
1900.	1.98	4.19	1.85	2.59	4.85	*7.23	4.89	2.47	3.20	1.12	3.27	2.59	40.23
1901.	1.38	1.83	4.59	2.48	1.68	*1.60	*0.07	2.46	0.45	2.71	1.03	3.24	23.52
1902.	1.51	1.16	4.20	2.09	3.07	3.03	3.49	2.12	2.44	1.02	4.10	4.54	32.77
1903.	1.49	3.64	3.22	2.25	1.89	1.37	2.04	2.39	1.33	2.29	1.12	2.05	25.08
1904.	2.63	2.84	8.26	3.43	13.16	4.39	6.66	4.16	4.69	0.83	0.65	2.96	44.66
1905.	2.51	1.94	2.77	4.25	3.07	3.56	13.49	1.86	3.89	3.60	1.85	2.81	45.60
1906.	4.30	3.65	4.38	1.33	0.94	2.75	3.37	2.64	8.28	0.85	6.40	5.66	44.55
1907.	6.47	0.82	2.64	2.50	5.08	8.18	3.18	7.48	1.65	1.96	3.66	3.53	47.15
1908.	2.28	5.55	3.67	7.31	6.21	1.41	4.72	2.16	0.96	T.	†1.88	†1.16	37.31
Mns	2.47	2.72	4.34	3.62	3.83	3.90	3.88	2.67	2.40	1.98	3.11	2.72	37.56

* For Hallidayboro, 10 miles distant.

† For Du Quoin, 2 miles distant.

t For Benton, 17 miles distant.

TILDEN, RANDOLPH COUNTY, ILL. Elevation, 500 feet.

1887.	1.65	....	4.62	2.66	4.49	2.27	1.93	0.88	2.97	2.28	7.09	3.41	.....
1888.	2.17	3.27	5.18	1.82	2.79	7.23	1.30	10.22	2.26	3.55	4.48	2.49	46.76
1889.	3.55	2.35	1.68	*1.60	3.68	8.11	3.41	3.59	2.27	1.51	5.15	1.66	38.56
1890.	8.12	3.93	7.33	6.54	2.92	1.38	1.73	7.06	4.34	0.62	2.38	1.59	47.94
1891.	1.88	5.22	2.00	2.74	2.87	4.27	0.65	3.43	0.66	1.93	6.23	1.83	33.71
1892.	1.67	4.09	1.52	11.03	5.91	3.22	2.95	2.22	2.59	2.44	5.95	2.19	45.78
1893.	0.28	1.77	2.74	9.23	4.09	4.14	2.64	2.39	3.07	6.55	1.68	1.23	39.81
1894.	2.30	2.60	2.81	3.93	3.57	1.17	3.15	1.32	3.91	1.22	0.77	2.84	29.59
1895.	1.50	0.45	2.53	1.03	3.08	3.84	3.75	2.56	2.65	0.41	4.30	5.45	31.55
1896.	1.33	2.36	3.69	3.64	8.56	2.84	6.06	1.47	3.15	1.56	3.43	0.22	38.31
1897.	3.16	2.37	10.51	3.55	1.57	4.88	0.93	0.49	0.27	1.13	4.54	4.13	37.53
1898.	3.83	1.94	9.95	3.40	5.93	5.09	6.91	4.85	4.81	6.36	1.88	1.97	56.92
1899.	2.16	2.91	2.27	1.30	3.04	2.72	5.79	1.64	0.93	2.75	1.33	1.89	28.73
1900.	0.63	3.05	1.25	2.37	2.79	6.66	3.42	1.50	3.22	2.20	3.38	1.19	31.72
1901.	0.99	1.96	3.03	2.11	2.32	1.37	1.33	1.05	2.37	2.28	2.40	3.59	24.80
1902.	0.96	0.76	4.47	2.04	4.70	2.82	2.71	4.15	3.79	1.42	4.09	4.33	36.24
1903.	0.95	2.89	3.06	3.13	2.69	2.51	1.35	3.58	1.63	4.32	2.05	1.69	29.85
1904.	2.39	1.83	8.66	4.62	3.14	5.18	2.23	5.33	6.47	0.57	0.86	1.66	42.94
1905.	2.61	1.52	3.79	4.63	3.09	0.26	11.34	3.20	5.19	3.91	2.02	2.92	44.48
1906.	4.51	2.64	4.36	1.77	2.80	2.98	1.72	4.42	7.42	1.52	5.70	3.23	43.07
1907.	6.13	1.16	2.66	3.73	5.40	4.41	2.60	5.11	3.99	3.01	3.17	4.05	45.42
1908.	2.03	5.61	3.94	7.02	7.08	2.30	5.26	2.74	1.32	0.10	4.34	0.72	42.46
Mns	2.49	2.60	4.18	3.81	3.93	3.62	3.33	3.33	3.15	2.35	3.51	2.47	38.77

Values from 1887 to February 1898, inclusive, are for Jordans Grove.

Values March 1898 to 1908, inclusive, for Tilden.

* Interpolated from surrounding stations.

ST. LOUIS, ST. LOUIS COUNTY, MISSOURI. Elevation, 568 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1830.	...	....	....	....	....	....	4.97	12.25	5.16	5.79	1.28	0.55	.....
1831	2.08	1.06	4.58	4.39	1.95	1.34	1.88	2.51	1.99	6.76	4.08	3.68	36.30
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1836.	....	...	....	....	....	....	3.66	6.51	5.90	2.59	4.20	5.02	.....
1837.	0.84	1.35	3.13	2.34	3.00	3.46	2.48	2.73	2.85	0.79	1.96	2.01	26.94
1838.	3.72	1.11	1.51	3.36	1.68	3.73	3.13	4.47	0.06	3.06	2.09	0.44	28.36
1839.	2.21	2.50	2.59	5.46	7.93	7.26	5.71	2.89	2.45	3.96	2.48	2.00	47.44
1840.	1.80	1.38	2.10	3.31	4.58	6.27	2.36	7.15	3.96	6.30	1.73	0.71	41.65
1841.	0.84	0.88	4.99	3.85	2.38	1.67	3.09	5.63	3.22	6.81	5.44	3.93	42.73
1842.	0.45	3.90	2.21	3.48	3.22	5.12	1.76	2.64	2.17	2.57	2.38	2.39	32.29
1843.	2.34	1.90	3.49	4.87.	4.15	3.95	2.49	1.32	2.19	1.55	4.82	1.72	34.79
1844.	3.36	1.73	4.84	3.86	11.26	6.85	8.13	0.45	0.30	2.25	1.17	1.61	45.81
1845.	1.83	1.07	3.18	2.28	4.42	10.01	4.75	6.23	1.03	1.16	1.10	0.93	37.99
1846.	2.98	1.27	1.27	4.84	3.75	5.21	0.84	4.73	4.84	2.71	2.11	10.90	45.45
1847.	2.12	3.58	2.28	3.98	4.36	8.61	5.37	0.90	3.26	8.74	8.63	0.89	52.72
1848.	1.86	2.27	6.61	3.16	8.10	17.07	5.37	9.74	1.12	2.41	1.91	5.74	65.36
1849.	4.18	0.56	2.70	2.64	2.71	6.46	9.40	5.15	5.81	2.17	2.11	1.82	45.71
1850.	1.94	4.10	5.63	7.68	7.47	1.47	4.83	2.10	3.74	2.71	6.24	2.59	50.50
1851.	0.61	6.74	3.14	4.70	2.83	6.19	1.77	8.97	0.49	1.51	1.99	3.90	42.84
1852.	0.99	2.12	7.67	2.28	5.19	10.25	3.36	1.60	1.47	5.26	3.29	3.48	46.96
1853.	0.52	1.67	0.79	3.24	3.64	3.23	4.10	5.48	4.67	0.96	1.51	1.08	30.89
1854.	1.18	3.11	7.49	7.60	6.30	3.21	0.92	1.80	1.44	4.15	1.94	1.49	40.62
1855.	4.66	0.70	2.89	2.65	7.46	4.27	5.17	6.53	3.89	3.89	5.16	3.10	50.37
1856.	1.03	3.64	1.06	6.35	3.03	1.24	4.61	6.32	3.51	2.10	4.90	4.29	42.08
1857.	0.41	7.74	1.80	1.72	4.81	3.71	2.82	4.15	3.18	3.02	3.80	1.87	39.03
1858.	3.42	2.12	3.96	6.07	10.64	6.69	8.03	2.87	3.86	7.73	4.92	8.52	68.83
1859.	2.32	5.35	7.32	4.89	6.60	11.02	5.54	2.93	4.44	1.80	5.43	3.76	61.40
1860.	1.80	2.60	1.16	2.03	2.29	6.58	2.97	2.96	2.11	1.58	1.63	2.08	29.79
1861.	1.16	2.01	7.38	3.18	4.39	4.96	2.04	3.44	4.14	2.85	1.39	1.09	38.03
1862.	4.01	0.80	4.11	4.82	2.51	2.85	3.61	1.32	6.27	3.73	3.59	6.38	44.00
1863.	4.11	3.99	3.02	1.55	2.68	3.16	2.51	6.93	1.56	4.76	2.15	4.03	40.45
1864.	2.74	0.82	1.71	5.58	3.90	0.41	3.60	4.91	2.82	3.15	5.25	2.72	37.61
1865.	0.87	3.75	8.61	3.31	5.66	5.21	7.94	1.97	2.60	3.33	0.00	3.63	46.88
1866.	4.16	2.24	2.80	1.56	2.24	5.59	3.68	3.71	10.53	2.01	1.37	1.87	41.75
1867.	2.28	4.81	2.37	0.53	8.26	5.64	3.71	2.29	0.17	1.31	2.74	3.65	37.76
1868.	1.71	0.55	7.66	7.08	3.96	1.58	2.03	8.53	5.25	2.11	2.04	3.09	45.59
1869.	2.02	2.49	4.24	4.61	3.60	6.25	2.49	5.51	1.70	3.42	7.48	3.16	46.97
1870.	2.25	0.33	2.76	2.39	2.73	1.38	1.59	6.55	1.14	3.35	1.94	2.76	29.17
1871.	2.53	2.92	1.27	0.49	3.15	2.51	1.64	3.55	0.25	2.07	1.83	1.17	23.28
1872.	0.64	1.15	2.43	2.77	6.04	4.28	4.59	0.93	3.38	0.55	2.01	1.70	30.47
1873.	3.53	1.52	2.10	6.88	5.73	6.68	5.96	0.07	3.02	3.27	1.64	5.10	45.50
1874.	3.14	3.66	4.36	3.44	3.70	2.00	5.71	4.70	2.30	1.09	2.32	1.46	37.88
1875.	0.54	2.59	4.08	2.53	5.48	10.84	9.50	2.66	0.24	1.23	0.89	2.42	43.00
1876.	4.75	2.86	6.90	2.25	3.13	3.43	5.90	5.03	7.63	1.66	1.74	0.18	48.46
1877.	1.24	0.88	3.41	3.03	3.11	8.69	2.88	2.61	3.56	4.92	3.76	3.34	41.43
1878.	3.36	1.69	2.79	6.74	4.63	2.40	3.92	4.75	3.42	3.27	1.38	3.48	40.83
1879.	1.64	1.48	1.92	2.31	0.95	4.04	1.97	2.23	1.34	0.68	4.30	2.84	25.70
1880.	3.83	2.65	2.51	3.31	3.44	2.56	5.17	1.53	3.10	2.09	2.67	1.80	34.66
1881.	0.49	4.16	1.95	3.14	3.96	2.74	2.13	0.31	3.14	7.21	6.74	1.40	37.37
1882.	2.80	8.94	3.49	3.58	4.55	4.53	3.84	2.20	1.73	2.44	3.24	1.81	43.15
1883.	0.94	5.88	2.29	3.31	2.89	5.04	4.31	3.34	0.01	6.60	3.71	1.78	40.10
1884.	0.79	4.43	3.00	4.15	2.68	4.52	2.86	1.21	6.04	2.48	2.30	6.18	40.64
1885.	3.26	0.87	0.40	4.84	2.80	7.68	2.58	2.96	8.98	7.51	1.68	2.03	45.59
1886.	3.11	1.71	3.04	2.10	7.84	7.09	0.55	2.44	9.60	0.85	3.36	2.65	44.34
1887.	0.65	3.68	3.54	4.36	5.27	2.54	2.74	1.14	2.47	0.76	4.61	3.54	35.30
1888.	2.15	2.39	3.79	1.88	3.81	8.09	2.09	6.66	1.31	2.59	4.40	2.01	41.17
1889.	3.04	4.78	1.62	1.68	3.80	4.72	2.02	0.85	3.54	1.65	4.43	1.03	33.16
1890.	7.47	2.86	5.99	4.05	5.81	3.18	0.37	2.43	1.80	0.86	1.55	1.32	37.69
1891.	1.35	2.95	2.29	2.29	2.73	5.97	1.50	2.75	1.43	0.65	5.30	1.32	30.53
1892.	1.52	4.89	1.92	7.60	7.87	2.73	4.64	1.75	1.59	1.66	3.46	1.99	41.62
1893.	0.33	2.98	5.10	10.84	5.42	3.49	2.49	0.65	3.69	1.66	1.36	1.32	39.33
1894.	2.56	2.88	2.69	2.68	3.61	1.12	1.35	1.66	3.11	1.56	1.49	2.73	27.44
1895.	1.65	0.43	2.82	0.46	3.16	2.46	7.26	2.08	2.01	0.23	3.98	4.66	31.20
1896.	1.43	2.81	2.03	2.43	9.12	4.57	4.67	2.12	2.42	1.20	3.70	1.05	37.55
1897.	3.75	2.67	8.25	4.66	1.59	5.32	3.23	0.66	0.09	0.31	6.21	3.43	40.17
1898.	4.53	1.71	7.73	3.85	8.55	3.85	7.44	0.87	3.23	4.34	2.07	1.03	49.20
1899.	1.66	3.40	3.96	1.98	6.32	2.32	4.54	2.77	1.27	2.89	1.95	1.55	34.61
1900.	0.65	5.09	1.45	1.83	4.47	2.62	3.85	1.30	2.68	2.07	3.10	0.40	29.51
1901.	1.12	1.86	2.94	2.35	2.69	3.92	1.47	0.76	0.64	2.12	1.21	3.72	24.80
1902.	1.18	0.83	4.50	2.49	3.04	7.86	2.34	5.20	1.98	2.00	3.20	3.81	38.43
1903.	1.76	3.14	3.20	2.79	2.08	5.71	2.68	6.16	3.06	1.37	0.61	1.25	33.81
1904.	3.15	0.84	7.87	3.25	2.88	4.64	3.09	2.62	2.97	0.50	0.54	1.36	33.71
1905.	2.47	1.12	2.35	2.32	4.67	2.72	4.42	2.58	5.56	6.64	1.63	2.06	38.54
1906.	3.57	2.92	4.53	1.98	2.61	2.80	0.98	3.72	4.40	1.25	4.67	2.09	35.52
1907.	7.35	1.12	2.39	3.65	5.57	4.96	3.32	4.36	1.57	3.15	1.89	2.06	41.39
1908.	2.08	3.39	3.43	3.84	7.72	3.02	4.24	1.55	1.24	0.21	2.83	0.64	34.19
Mns	2.27	2.64	3.61	3.61	4.53	4.83	3.69	3.48	3.00	2.83	2.99	2.62	40.10

VERNON, MARION COUNTY, ILL. Elevation, 515 feet.

1899.	....	....	....	....	....	....	....	....	....	3.32	2.97	3.31	.....
1900.	0.75	3.91	1.40	1.05	8.02	9.03	5.38	2.93	4.33	3.20	2.51	1.01	43.52
1901.	1.62	1.86	3.21	1.97	2.24	2.07	2.95	1.61	0.71	2.59	1.44	3.24	25.51
1902.	1.15	1.07	4.24	2.20	2.04	6.62	*2.02	4.08	2.82	1.52	2.77	3.06	33.59
1903.	1.05	2.51	3.47	4.36	0.62	2.60	2.93	2.87	1.48	3.05	0.87	1.72	27.53
1904.	3.37	0.25	6.43	4.43	4.82	2.50	3.48	5.32	3.98	0.81	0.50	1.35	37.24
1905.	1.05	1.65	2.65	4.57	4.97	5.47	9.72	2.36	2.55	5.87	2.69	2.06	45.61
1906.	4.50	2.40	5.36	2.25	2.30	3.12	1.00	4.00	4.70	1.05	5.42	3.19	39.29
1907.	6.82	0.88	4.77	3.45	3.82	4.96	4.56	6.55	0.51	4.08	2.50	3.46	46.36
1908.	1.53	4.98	2.97	5.22	....	....	....	....	....	....	....	....	.....
Mns	2.43	1.72	3.83	3.28	3.60	4.55	4.00	3.72	2.64	2.83	2.41	2.49	37.50

* Values for Greenville, 17 miles from Shobonier.

Values for April 1900 to April 1906. are for Shobonier.

Values May 1906 to April 1906, are for Vernon. These stations are 4 miles apart

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Albion	16	8	6	10	8	9	8	8	7	5	5	7	8	89
Benton	7	6	6	9	6	7	7	7	6	5	3	4	7	73
Cairo	37	12	10	12	11	11	11	9	8	7	7	9	11	118
Carlyle	16	9	9	11	10	10	10	9	7	6	5	7	8	101
Cobden	13	8	8	11	9	10	9	8	6	6	5	6	7	93
Equality	10	10	8	11	9	11	9	9	8	7	5	6	9	102
Fairfield	14	6	6	9	8	8	9	8	6	6	4	6	8	84
Flora	18	8	8	10	9	10	9	8	7	7	5	7	8	96
Golconda	21	9	8	11	9	10	10	8	7	6	5	7	8	98
Grafton	10	7	7	10	10	11	10	8	8	7	6	6	7	97
Greenville	21	8	8	10	11	10	10	8	7	7	6	8	8	101
Halfway	13	8	7	10	8	8	7	7	6	6	4	6	8	85
McLeansboro	19	9	9	11	10	10	9	8	7	6	5	8	8	100
Mascoutah	20	7	9	10	9	11	10	8	6	7	5	6	6	94
Mt. Carmel	15	11	10	12	10	11	11	9	8	7	6	8	11	114
Mt. Vernon	14	7	7	10	9	9	10	8	7	7	5	6	8	93
New Burnside	14	7	8	11	9	10	10	8	6	6	5	6	8	94
Olney	21	8	8	10	9	9	9	7	7	6	6	8	8	95
Palestine	19	7	8	10	9	9	9	8	7	6	5	7	7	92
St. John	17	6	7	8	8	9	9	8	7	6	5	5	6	84
St. Louis, Mo	38	9	9	11	11	12	11	9	8	7	7	9	9	112
Tilden	20	8	9	11	10	11	9	9	7	7	6	8	9	104
Vernon	9	6	5	7	8	7	9	7	6	5	5	6	7	78

Average snowfall.

Albion	16	4.7	4.7	2.4	0.1	0	0	0	0	0	0	0.7	3.1	15.7
Benton	7	4.7	5.3	0.7	0.6	0	0	0	0	0	0	0.4	1.9	13.6
Cairo	23	4.2	3.3	1.3	T.	0	0	0	0	0	0	0.7	1.8	11.4
Carlyle	8	7.3	5.8	2.3	T.	0	0	0	0	0	0	1.8	3.1	20.3
Cobden	12	2.5	3.3	1.2	0.5	0	0	0	0	0	0	0.4	1.4	9.3
Equality	10	4.1	5.3	1.6	0.7	0	0	0	0	0	T.	0.6	2.1	14.2
Fairfield	12	2.2	5.3	1.6	0.3	0	0	0	0	0	0	0.5	3.5	13.4
Flora	20	3.9	4.3	3.4	0.3	0	0	0	0	0	T.	0.7	3.8	16.4
Golconda	18	3.9	3.7	2.0	0.2	0	0	0	0	0	0	0.6	2.3	12.7
Greenville	16	6.4	8.4	4.2	0.6	0	0	0	0	0	0	1.7	4.3	25.6
Halfway	12	4.0	4.2	2.2	1.2	0	0	0	0	0	0	0.2	3.0	14.8
McLeansboro	19	4.2	4.3	2.6	0.4	0	0	0	0	0	0	0.9	2.2	14.6
Mascoutah	21	6.5	6.9	3.8	0.6	0	0	0	0	0	0	0.9	3.4	22.1
Mt. Vernon	13	3.6	5.6	1.7	0.5	0	0	0	0	0	T.	0.6	3.9	15.9
New Burnside	13	4.0	5.2	0.6	0.7	0	0	0	0	0	T.	0.5	1.9	12.9
Olney	20	5.8	5.3	3.6	0.4	0	0	0	0	0	T.	0.9	4.4	20.4
Palestine	19	5.8	5.1	2.6	0.2	0	0	0	0	0	T.	0.9	4.3	18.9
St. John	13	2.7	3.7	1.7	0.4	0	0	0	0	0	0	0.2	1.6	10.3
St. Louis, Mo	38	5.1	5.3	3.6	0.9	0	0	0	0	0	T.	0.8	2.8	18.5
Tilden	20	3.9	4.7	3.2	0.6	0	0	0	0	0	T.	1.0	2.8	16.2
Vernon	8	8.0	7.4	1.8	0.6	0	0	0	0	0	0	0.4	4.8	23.0

Mean temperature.

Albion	17	32.0	31.0	44.7	55.0	66.1	74.3	78.2	76.6	69.8	56.8	43.4	34.2	55.2
Benton	6	34.3	32.9	50.7	56.1	68.2	73.0	78.5	79.2	72.3	60.0	48.5	37.0	57.6
Cairo	37	35.6	37.8	47.5	58.4	67.6	75.4	78.9	77.6	70.7	59.6	47.2	38.8	58.0
Cobden	25	33.7	35.5	46.2	56.7	67.0	74.5	78.6	77.4	70.8	60.2	46.7	36.6	57.0
Equality	10	35.4	32.5	48.5	55.6	67.4	73.7	78.7	78.3	71.7	59.8	47.4	37.0	57.2
Fairfield	15	33.4	31.3	44.8	55.3	66.2	73.6	77.8	75.9	70.2	58.3	45.1	34.6	55.5
Flora	22	30.5	30.4	42.5	54.3	64.1	72.6	76.5	74.6	68.0	55.5	42.2	34.3	53.8
Golconda	30	34.0	36.0	46.5	57.6	67.4	75.0	78.5	77.7	71.5	59.7	46.6	37.4	57.3
Greenville	30	29.1	30.4	42.0	54.9	64.1	73.3	77.5	75.6	68.9	56.5	42.4	32.9	54.0
Halfway	12	33.8	32.5	46.8	56.6	67.4	74.8	78.8	78.3	71.5	59.0	47.3	36.6	57.0
McLeansboro	25	31.7	33.4	44.1	55.6	65.1	74.2	77.7	75.6	69.6	57.1	44.6	36.0	55.4
Mascoutah	18	30.7	30.5	43.1	53.8	64.3	74.0	77.9	75.9	69.8	56.6	44.1	34.8	54.6
Mt. Vernon	14	32.7	31.3	44.9	54.3	66.2	74.0	77.9	77.0	70.4	58.1	45.3	33.5	55.5
New Burnside	13	35.2	33.2	47.9	56.6	67.7	75.0	79.1	78.3	72.4	59.0	47.1	36.3	57.3
Olney	21	31.8	31.9	44.0	54.7	65.4	74.7	77.9	76.2	69.7	56.4	43.8	35.4	55.2
Palestine	26	28.8	30.5	42.0	53.9	63.6	73.0	76.5	74.1	67.4	55.2	42.6	33.1	53.4
St. John	19	31.6	32.8	46.9	56.0	67.3	75.2	78.3	77.7	71.0	57.8	45.0	35.7	56.3
St. Louis, Mo	36	31.8	34.0	44.2	56.2	66.2	74.9	79.1	77.5	70.4	58.6	45.0	36.1	56.2
Tilden	22	32.3	32.6	44.7	55.8	65.4	73.9	77.2	75.8	69.6	57.3	44.6	36.0	55.4
Vernon	8	31.5	28.8	45.0	53.2	65.0	72.4	77.7	76.0	69.0	58.0	44.4	33.4	54.5

Average hourly wind movement (in miles).

Cairo	18	9.7	10.6	11.3	10.2	8.3	6.9	6.2	5.8	6.3	7.1	8.9	9.7	8.4
St. Louis, Mo.	18	11.5	11.5	12.1	11.6	10.2	9.1	8.3	7.9	8.9	9.9	11.0	11.3	10.3

Mean relative humidity.

Cairo	8 a. m.	21	82	80	77	74	79	82	81	85	84	83	80	81	81
	8 p. m.	21	73	71	67	61	66	69	69	71	71	66	66	72	69
St. Louis, Mo	8 a. m.	21	80	78	77	72	76	76	75	77	78	77	76	82	77
	8 p. m.	21	70	66	67	59	62	61	59	59	61	58	64	69	63

Highest temperature.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Albion	16	72	69	83	90	95	103	109	108	102	92	79	73	109
Benton	6	71	70	88	88	95	100	102	101	100	96	84	68	102
Cairo	37	74	75	85	89	92	98	106	103	97	90	80	74	106
Cobden	13	73	76	86	90	95	103	112	105	105	95	83	72	112
Equality	10	75	72	92	94	95	104	112	108	102	92	82	71	112
Fairfield	14	73	74	89	92	95	102	113	103	101	94	79	70	113
Flora	17	72	73	86	90	92	100	108	103	101	96	79	71	108
Golconda	21	74	76	86	90	95	100	108	103	101	92	82	74	108
Greenville	21	73	75	88	92	95	102	113	106	102	95	79	71	113
Halfway	12	72	69	85	90	92	102	110	106	102	95	81	68	110
McLeansboro	19	74	75	85	93	96	105	110	109	102	93	80	72	110
Mascoutah	21	74	74	85	94	95	103	109	108	104	90	82	76	109
Mt Vernon	14	72	73	92	91	96	100	112	107	104	94	80	70	112
New Burnside	14	73	75	86	95	97	104	112	104	104	94	79	70	112
Olney	21	72	72	87	89	96	101	109	103	101	93	78	70	109
Palestine	19	70	68	85	88	95	100	105	100	101	92	79	70	105
St. John	17	73	73	87	92	97	101	112	111	100	94	83	76	112
St. Louis, Mo.	38	74	78	90	91	94	102	107	106	102	91	82	74	107
Tilden	20	77	78	86	89	93	104	111	107	105	94	80	72	111
Vernon	8	72	68	87	89	93	103	112	106	98	91	80	68	112

Lowest temperature.

Albion	16	−12	−21	5	22	32	37	50	50	28	22	0	−10	−21
Benton	6	−7	−14	14	21	30	42	54	48	35	28	13	−10	−14
Cairo	37	−16	−14	6	24	37	46	57	52	36	24	7	−7	−16
Cobden	13	−6	−19	0	24	31	42	52	49	32	25	10	−10	−19
Equality	10	−13	−22	4	24	33	42	54	50	27	26	12	−9	−22
Fairfield	14	−22	−21	0	22	29	40	51	48	25	24	9	−9	−22
Flora	17	−25	−21	−2	22	29	38	50	47	25	21	6	−9	−25
Golconda	21	−8	−16	3	21	31	43	53	48	32	25	12	−13	−16
Greenville	21	−13	−21	−2	23	30	36	46	45	30	19	5	−16	−21
Halfway	12	−6	−18	3	24	34	42	55	53	30	29	14	−10	−18
McLeansboro	19	−11	−19	2	22	32	44	50	46	29	24	−2	−10	−19
Mascoutah	21	−20	−20	1	21	29	40	50	47	24	22	9	−15	−20
Mt. Vernon	14	−8	−22	0	20	29	41	50	49	23	22	10	−7	−22
New Burnside	14	−7	−20	3	21	31	44	51	49	25	17	9	−10	−20
Olney	21	−17	−20	1	23	30	38	49	48	27	21	2	−8	−20
Palestine	19	−19	−21	−1	22	28	38	48	46	28	22	6	−8	−21
St. John	17	−11	−21	2	22	29	35	51	49	27	25	10	−15	−21
St. Louis, Mo.	38	−22	−18	3	22	32	44	55	52	37	24	5	−14	−22
Tilden	20	−10	−23	1	20	28	41	50	40	22	20	9	−17	−23
Vernon	8	−22	−19	7	23	28	41	48	41	20	24	8	−14	−22

Prevailing wind direction.

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Cairo	37	s.	n.	s.	s.	s.	s.	s.	s.	s.	s.	n.	s.	s.
St. Louis, Mo.	38	nw.	nw.	s.	se.	s.	s.	s.	s.	s.	s.	s.	s.	s.

FROST DATA.

Stations.	Length of Record, yrs.	Average date of first killing frost in autumn.		Average date of last killing frost in spring.		Earliest date of killing frost in autumn.		Latest date of killing frost in spring.	
Albion	15	October	21	April	14	September	30	May	14
Benton	7	October	21	April	21	October	12	May	2
Cairo	38	October	28	Mar.	30	September	30	April	19
Cobden	13	October	21	April	12	September	30	April	2
Equality	10	October	22	April	14	September	30	April	15
Fairfield	12	October	16	April	16	September	19	April	21
Flora	16	October	11	April	18	September	15	May	14
Golconda	20	October	26	April	6	September	30	April	21
Greenville	21	October	15	April	15	September	19	May	6
Halfway	11	October	26	April	5	September	30	April	21
McLeansboro	12	October	14	April	17	September	19	May	5
Mascoutah	11	October	14	April	22	September	19	May	7
Mt Vernon	14	October	15	April	20	September	15	May	14
New Burnside	14	October	12	April	17	September	23	May	14
Olney	15	October	16	April	21	September	30	May	14
Palestine	18	October	12	April	18	September	19	May	14
St. John	12	October	16	April	12	September	18	May	1
St. Louis, Mo	35	October	27	April	3	September	30	May	22
Tilden	16	October	14	April	13	September	14	May	7
Vernon	8	October	7	April	23	September	14	May	7

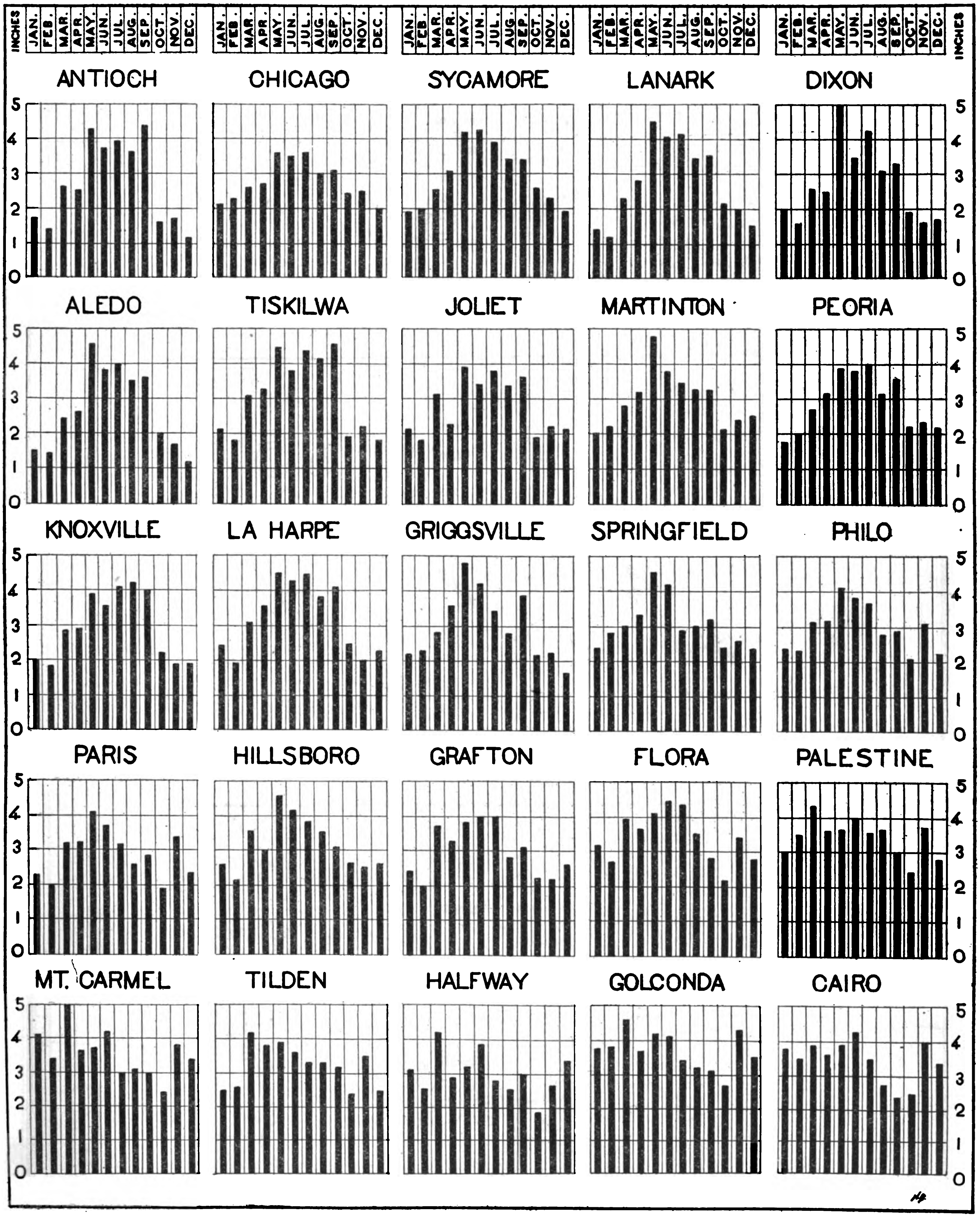


FIG 1.—Diagram showing the comparative monthly distribution of precipitation.

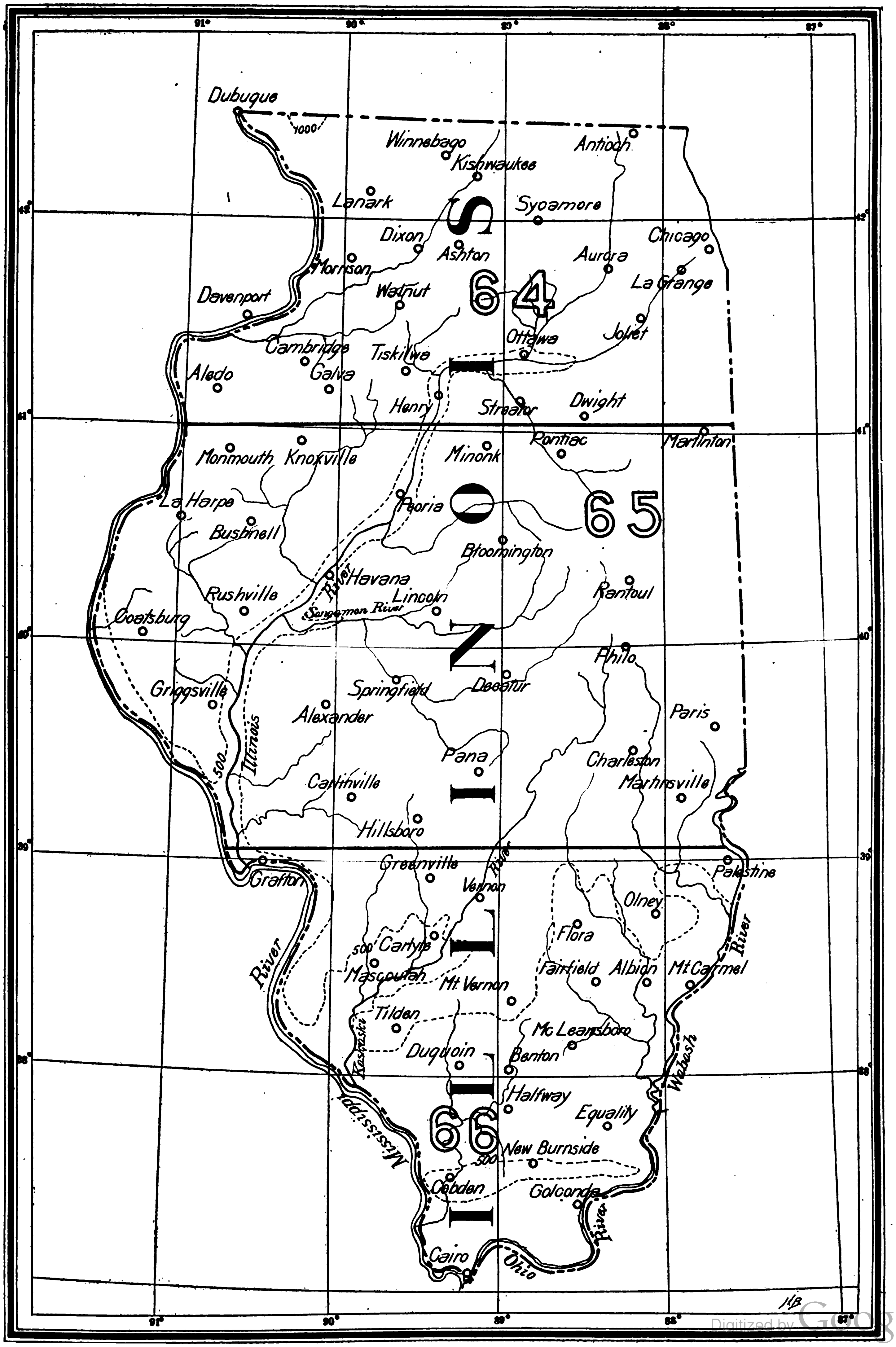


FIG. 2.—Chart showing the boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. Day, in charge.

Section 67—NORTHERN INDIANA.

This Section comprises that portion of Indiana lying north of the 40th parallel of latitude, which crosses the State near the southern boundary of Randolph, Madison, Hamilton, Boone and Fountain counties. The area of the State of Indiana is about 36,000 square miles, nearly one-half of which is embraced within the Section under discussion.

The greater portion of Indiana has a gentle slope toward the southwest, as is indicated by the course of the Wabash River and its tributaries. About one-fourth of the northern half, however, has a northerly slope and drains into Lakes Erie and Michigan through the Maumee and St. Joseph rivers, while the drainage from a considerable area in the western portion finds its way to the Mississippi through the Kankakee and Iroquois rivers. The Wabash River enters the State from Ohio and flows northwesterly through Adams, Wells and Huntington counties, thence in a general southwesterly direction to near the western border of the State in Fountain County, where it turns and flows almost due south beyond the boundaries of this Section.

A considerable area in Steuben, DeKalb, Noble and Lagrange counties has an altitude of more than 1,000 feet, there being isolated points in Steuben County having an elevation of about 1,200 feet. The remaining and major portion of the Section lies between 500 and 1,000 feet elevation.

In a few of the northwestern counties the land is low and flat, some portions of which become inundated during periods of prolonged and heavy rainfall, while some of it is marshy at all times. The remainder of the northern half of the State is made up of plains, undulating in some localities, while comparatively level in others; the latter areas, however, are well drained and under a high state of cultivation.

This region, before the advent of civilized man, was covered with heavy forests of timber, nearly every species native to this latitude being represented. This growth has practically all been removed in order to develop the land for agricultural purposes. Scarcely any portion of the United States excels this Section in the fertility of its soil, and probably no other agricultural district is more thickly populated. Corn is the leading crop, to which the Section is particularly adapted, although favorable conditions exist for the growth of other cereals, and for diversified farming, which is practiced to a marked degree. The natural fertility of the soil and favorable climatic conditions have rendered this region a desirable residence location, in consequence of which a large number of thriving cities and towns have been brought into existence. Manufacturing is now the leading industry of these places, and their products rival in quantity and variety those of most other manufacturing localities.

CLIMATIC CHARACTERISTICS.

The absence of mountain ranges and large bodies of water within or contiguous to the boundaries of this Section, together with the level character of the country, gives it a comparatively uniform climate. While Lake Michigan forms a part of the northern boundary, it has very little influence upon the climate of the State at large, as their relative positions do not permit of interchange of air currents in the regular course of the prevailing southwesterly winds. The influence of the Lake is felt to some extent, however, in its immediate vicinity, as shown by the longer growing season. After due allowance has been made for all irregularities in the different records due to purely local conditions or the possible variation in the exposure of instruments, a close scrutiny of the available temperature and precipitation data fails to disclose any modifying influence except that of latitude. Following the rule which obtains where ideal climatic conditions prevail, there is a gradual increase in both temperature and precipitation from north to south, or as is often expressed, with decrease in latitude.

The mean annual precipitation within this Section varies, as is shown by the tables, from 33 to 39 inches; and the mean annual temperature from 49° to 52°. This variation in temperature has a decided influence upon the amount of precipitation which falls in the form of snow, the snowfall being heaviest in the northern counties, and lessening rapidly in amount toward the central and southern portion of the State. The length of the growing season is usually shorter in the northern portion on account of the later occurrence of killing frosts in spring and their earlier occurrence in autumn. An exception to this rule is noticeable in the vicinity of Lake Michigan, where the average length of the season is nearly equal to that in southern Indiana.

The precipitation values published herewith show a comparatively uniform distribution throughout all months of the year over the entire Section. This is due largely to the fact that the district under discussion lies within the general storm track and receives a portion of the moisture from the majority of storms which cross the Ohio valley and Lake region at irregular, but frequent intervals. While droughts sometimes occur during the summer months, they are seldom severe enough to cause extensive damage to the staple crops of the locality.

The temperature has a comparatively wide range, as the Section comes well within the influence of the pronounced cold waves which sweep down from the northwest overspreading the central valleys at occasional intervals during the winter months. The distance from any large bodies of water is sufficient to prevent modifying influences from that source in either summer or winter, except over a small area in the extreme northwest corner bordering upon Lake Michigan. The temperature at all stations occasionally rises in summer to 95° or more, but these instances are rare. The hot periods are generally of short duration and interspersed with those of moderate temperatures and cool breezes, which tend to greatly lessen the effects of the summer heat and produce a climate that is delightful rather than oppressive.

The summary of climatic data available and published herein consists of monthly, annual and average values of rainfall, the average snowfall, the averages and extremes of temperature by months, the dates of first killing frosts in autumn and last in spring, together with the average dates of each, and other less important data.

The length of record at the several stations ranges from one to twenty-nine years, but only those having nine or more years are included in this publication.

The level character of the country has given rise to many separate river systems and their attendant watersheds within comparatively small areas. The stations, therefore, have been arranged in groups according to these drainage areas and published with respect to elevation, beginning at the headwaters of the river systems and taking them in consecutive order down the valley. This method separates them into small and distinct groups, convenient for comparison and study.

The temperature data are given for eighteen stations, and consist of the highest and lowest temperatures for each month since the observations began, and the mean monthly and annual temperatures for the same period.

As the precipitation is one of the more important factors entering into the climatology of a locality it is published herewith in greater detail than the other data. The monthly and annual amounts at twenty-five stations are given, their respective records covering the entire time that observations have been maintained, which ranges from nine to twenty-nine years.

The frequency of rainfall is well illustrated in a table giving the average number of days for each month and the year, on which 0.01 inch or more of precipitation has fallen. Another table showing the average monthly and annual amounts of snowfall is also included.

A diagram at the end of the tables gives in graphic form the distribution of the average precipitation during the several months of the year at a number of representative stations. (See Fig. 1.)

A chart (Fig. 2) showing the portion of the State under discussion, the location of the stations from which data are published, the approximate elevation of the general surface above sea level, and an outline of the general drainage systems, is also appended.

Observations have been maintained for some time at a number of other stations within the District which are not published, as their records are too short to be of practical value for comparative purposes.

VERNE H. CHURCH,
Section Director.

Precipitation in Northern Indiana. Monthly, annual, and average amounts (in inches and hundredths).

MAUMEE DRAINAGE BASIN.—AUBURN, DEKALB COUNTY, IND.
Elevation, 874 feet.

Year.	Jan.	Feb	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1896...	......	......	......	......	......	......	9.87	3.54	4.65	......	1.75	1.06	.....
1897...	2.86	1.18	2.42	3.06	3.93	3.68	1.75	2.72	0.71	0.57	4.22	1.93	29.03
1898...	3.28	1.73	5.88	1.63	**4.42**	1.21	4.67	2.50	3.41	3.89	......	1.77	.....
1899...	2.03	2.01	3.02	0.69	3.62	2.02	4.73	3.73	2.17	3.27	1.80	1.92	31.01
1900...	0.76	5.05	1.89	1.98	2.44	5.61	5.29	......	1.39	2.44	4.45	0.45	.....
1901...	1.58	1.44	1.15	1.94	2.45	2.87	1.38	3.71	1.30	3.71	1.15	1.57	24.25
1902...	0.43	0.63	2.73	1.42	3.81	7.84	2.57	0.80	**5.00**	**3.25**	2.07	2.85	33.40
1903...	1.15	3.89	1.08	4.92	3.04	4.10	2.62	3.50	1.75	2.10	0.93	2.14	31.22
1904...	4.28	3.75	5.37	2.86	3.10	1.70	1.72	4.92	3.31	1.40	0.13	1.17	33.71
1905...	2.40	0.96	2.00	3.64	6.35	5.03	3.11	2.91	2.62	2.59	3.62	1.74	36.97
1906...	1.89	0.78	2.36	2.40	2.94	3.85	3.46	3.99	2.52	2.29	3.22	3.60	33.28
1907...	4.35	0.19	3.15	1.91	4.95	6.23	4.39	2.09	4.31	2.61	......	5.18	.....
1908...	**1.50**	4.04	2.64	2.37	5.11	0.96	2.80	3.24	0.63	0.44	**1.75**	1.58	27.06
Means	2.21	2.14	2.81	2.40	3.85	3.76	3.72	3.14	2.60	2.38	2.28	2.07	33.36

FORT WAYNE, ALLEN COUNTY, IND.—Elevation, 775 feet.

1887...	......	5.45	1.21	2.35	......	......	......	.....	......	......	4.89	2.42	....
1888...	2.62	......	4.25	2.36	......	......	.....	......	......	.....	......	.....	.....
1897...	.....	.....	......	3.87	3.28	4.49	1.42	......	0.41	0.93	4.62	2.25	.....
1898...	3.92	2.22	4.57	2.08	5.21	2.48	4.40	......	5.26	4.32	3.56	2.33	.....
1899...	2.34	2.55	5.01	0.70	2.83	2.29	4.28	6.06	3.49	2.30	2.75	3.16	37.56
1900..	0.86	5.11	1.87	2.26	3.40	6.05	3.52	......	1.84	2.83	......	......	.....
1901 ..	1.49	1.74	......	......	......	.....	......	......	......	......	.....	......	.....
1902...	0.49	0.97	3.33	2.17	2.95	7.32	2.76	.....	9.87	4.28	3.06	......	.....
1903...	......	4.61	2.29	3.80	3.30	2.52	4.85	3.57	1.47	2.45	1.45	2.12	.....
1904...	......	2.85	7.35	4.32	3.55	1.20	4.84	1.72	2.35	2.00	0.19	......	.....
1905...	2.13	1.68	2.39	3.61	7.44	6.02	.....	......	2.89	2.77	3.82	2.10	.....
1906...	2.01	1.03	2.84	2.94	1.96	3.57	......	......	2.08	2.93	3.86	3.86	.....
1907...	6.13	0.08	7.95	2.27	3.31	5.15	......	......	2.66	1.77	2.39	.....	.....
1908...	1.54	4.49	4.90	......	4.49	1.09	5.66	2.11	0.73	0.48	1.57	1.72	.....
Means	2.35	2.72	4.00	2.73	3.79	3.83	3.97	3.36	3.00	2.46	2.98	2.50	37.63

ST. JOSEPH BASIN.—ANGOLA, STEUBEN COUNTY, IND.—Elevation, 1052 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1885...	2.44	1.23	1.14	4.35	6.95	4.32	2.42	4.99	3.72	5.47	2.54	2.65	42.22
1886...	**2.50**	0.94	3.02	2.77	3.49	4.16	0.73	5.57	7.90	**1.20**	**3.60**	2.57	38.45
1887...	2.07	6.26	1.44	1.12	1.95	5.24	2.00	2.79	2.64	2.22	3.43	2.59	33.75
1888...	2.51	2.56	3.10	1.64	3.70	5.16	4.34	0.69	3.93	2.20	3.54	1.45	34.82
1889...	1.44	1.53	2.18	1.19	5.25	3.50	7.01	0.91	1.40	1.45	3.57	2.34	31.77
1890...	3.83	3.24	3.16	4.20	5.30	4.31	0.62	3.32	6.52	3.85	2.88	0.89	42.12
1891...	2.10	5.11	3.34	2.08	1.72	3.64	3.36	3.80	2.99	1.93	6.41	2.04	38.52
1892...	1.58	2.45	3.57	3.86	8.91	5.59	4.21	1.62	3.12	0.42	4.06	1.03	40.42
1893...	2.38	4.06	2.81	7.31	2.52	4.12	2.10	0.86	2.47	2.55	3.65	3.82	38.65
1894...	1.85	2.17	2.73	1.90	5.59	1.78	1.06	0.89	5.18	3.03	2.68	2.01	30.87
1895...	2.65	0.74	1.03	1.09	3.17	1.13	2.03	4.20	2.27	1.47	5.56	6.41	31.75
1896...	2.37	2.01	3.12	5.91	4.35	3.58	12.78	7.60	5.90	0.75	2.12	1.53	52.02
1897...	4.30	1.90	3.64	2.90	3.32	3.53	2.76	1.52	0.45	2.10	5.60	2.95	34.97
1898...	3.73	2.59	5.92	0.85	3.61	2.18	3.91	4.10	4.36	7.90	4.66	2.17	45.98
1899...	3.00	3.17	4.17	0.65	4.43	1.02	4.04	2.77	3.21	3.32	2.27	3.31	35.36
1900...	1.37	5.23	2.88	2.21	2.23	4.60	8.02	3.86	1.50	4.35	5.58	0.65	42.48
1901...	3.19	1.93	3.26	2.54	2.75	4.10	5.95	4.58	0.87	6.15	1.81	3.47	40.60
1902...	1.10	1.32	4.04	1.20	5.28	8.52	3.64	1.55	4.81	1.77	2.66	4.67	40.56
1903...	1.59	4.15	1.81	4.20	2.44	3.35	5.66	5.80	3.15	1.91	1.93	3.27	39.26
1904...	3.96	4.77	7.72	2.71	3.84	1.78	3.15	4.39	2.93	2.54	0.14	1.83	39.76
1905...	2.15	2.29	2.37	3.67	5.61	4.10	4.13	2.88	4.45	4.42	2.07	1.69	39.83
1906...	2.64	1.12	2.53	2.60	2.49	5.17	3.81	7.28	2.68	3.15	3.49	4.11	41.07
1907...	4.01	0.28	3.54	2.95	4.13	2.98	......	......	......	......	......	......	.....
Means	2.55	2.65	3.15	2.78	4.04	3.82	3.99	3.45	3.48	2.92	3.38	2.61	38.82

SYRACUSE, KOSCIUSKO COUNTY, IND.—Elevation, 864 feet.

1895...	......	......	......	......	......	......	......	......	......	1.59	4.71	7.35	.....
1896...	1.35	1.55	......	2.51	3.43	2.04	8.83	5.19	4.54	0.59	2.49	0.85	.....
1897...	4.56	1.57	4.38	2.28	3.56	3.58	1.47	4.30	0.20	2.81	5.26	2.30	36.27
1898...	3.48	2.60	6.33	1.16	4.79	2.98	4.48	3.02	2.75	5.30	4.21	2.20	43.30
1899...	2.67	2.85	4.06	1.62	5.42	1.98	4.32	1.89	2.71	4.60	2.46	3.47	38.05
1900...	0.79	4.61	2.90	1.83	2.58	3.70	4.90	4.20	2.04	4.05	6.68	0.76	39.04
1901...	3.39	2.68	4.41	2.34	2.10	2.16	2.70	1.05	0.77	6.85	1.59	4.48	34.52
1902...	1.08	2.37	3.34	1.74	4.50	8.76	6.27	2.70	6.30	1.61	3.18	3.17	45.08
1903...	1.51	3.99	1.69	4.94	1.73	3.24	4.80	4.83	3.81	3.13	1.86	3.02	38.55
1904...	5.46	3.70	6.57	3.76	4.09	1.26	2.13	6.79	3.34	2.51	0.11	1.19	40.91
1905...	2.28	2.00	2.32	4.93	6.29	5.11	4.25	5.24	3.88	4.04	2.82	2.21	45.37
1906...	3.57	1.12	3.43	3.26	1.51	5.81	3.77	2.04	4.12	2.64	3.73	3.73	38.73
1907...	4.38	T.	3.62	3.16	4.62	5.69	......	......	......	......	......	......	.....
Means	2.88	2.42	3.91	2.79	3.72	3.86	4.36	3.75	3.13	3.31	3.26	2.89	40.28

ELKHART, ELKHART COUNTY, IND.—Elevation, 801 feet.

1902...	......	......	......	......	.....	......	......	......	......	0.70	2.10	2.03	.....
1903...	1.60	1.76	1.18	3.76	1.38	1.36	6.26	4.82	3.72	1.13	1.85	2.18	31.00
1904...	2.79	3.31	4.22	2.02	2.72	3.75	2.35	3.26	2.43	......	......	......	.....
1905...	......	.....	......	......	6.23	3.14	4.84	4.49	2.64	2.81	2.57	1.49	.....
1906...	3.29	1.04	2.61	1.97	2.02	3.82	3.89	4.08	1.30	2.12	3.38	4.03	33.55
1907...	3.17	0.25	4.95	2.91	5.57	3.06	5.34	3.01	3.45	2.53	1.92	3.49	39.65
1908...	1.79	6.49	3.71	3.60	6.77	2.28	1.62	2.72	1.02	0.17	2.31	1.69	34.17
Means	2.53	2.57	3.33	2.85	4.12	2.90	4.05	3.73	2.43	1.58	2.36	2.48	34.93

SOUTH BEND, ST. JOSEPH COUNTY, IND.—Elevation, 726 feet.

1893...	....	......	......	......	....	......	......	......	.....	......	......	3.31	....
1894...	1.68	2.08	2.49	3.57	6.15	1.92	1.66	0.51	4.88	1.80	2.80	1.09	30.63
1895...	3.77	0.82	0.75	1.06	1.30	1.48	1.59	2.35	1.22	1.49	3.84	8.25	27.92
1896...	1.04	1.77	2.28	2.35	3.01	3.81	7.45	4.79	4.92	0.98	2.69	0.37	35.46
1897...	5.53	1.79	3.31	2.52	3.09	1.65	1.75	3.65	0.23	0.71	4.66	3.50	32.39
1898...	3.52	2.66	4.47	1.01	2.97	3.41	1.94	4.11	1.81	6.56	3.61	2.25	38.32
1899...	2.01	2.18	3.81	0.80	4.52	1.63	2.64	0.66	4.05	3.70	1.54	4.23	31.77
1900...	0.87	3.97	2.46	1.17	1.74	2.66	5.81	6.43	2.25	1.31	5.26	0.62	34.55
1901...	2.51	1.88	4.32	1.67	1.96	3.01	2.25	2.46	1.42	3.95	2.00	3.50	30.93
1902...	1.16	1.45	3.85	2.38	6.94	7.39	4.16	1.58	4.50	1.46	3.35	3.31	41.53
1903...	2.91	3.33	1.86	4.89	1.25	5.52	6.43	5.21	3.72	2.47	1.43	3.30	42.32
1904...	3.76	2.40	5.51	2.92	3.95	1.16	2.38	3.00	2.11	2.12	0.37	1.79	31.47
1905...	2.85	1.61	2.59	3.99	6.46	2.44	5.47	4.96	3.93	1.25	2.22	1.50	39.27
1906...	2.42	1.28	2.98	2.08	2.21	4.36	3.56	4.08	1.13	3.77	3.57	4.09	35.53
1907...	3.42	0.42	3.91	3.76	4.13	4.83	5.10	3.48	4.82	2.43	2.36	4.92	43.58
1908...	1.54	5.51	3.74	3.38	7.17	2.74	1.96	1.68	1.15	0.33	2.26	1.60	33.06
Means	2.60	2.21	3.22	2.50	3.79	3.20	3.61	3.26	2.81	2.29	2.80	2.98	35.27

LAKE MICHIGAN BASIN.—VALPARAISO, PORTER COUNTY, IND.
Elevation, 737 feet.

1890...	......	.....	......	......	4.89	2.71	1.80	1.59	......	3.63	1.37	1.37	.....
1891...	2.09	1.95	1.97	2.78	2.00	2.42	2.47	**4.50**	0.34	0.39	4.14	2.41	27.46
1892...	**1.90**	1.56	2.52	2.05	5.70	10.73	2.38	**1.90**	**2.00**	**1.00**	**3.00**	**2.00**	36.74
1893...	**2.00**	**3.00**	**2.25**	4.16	**3.00**	0.20	0.81	0.20	2.68	3.45	1.45	1.80	25.00
1894...	1.70	1.90	2.60	2.70	6.60	2.70	2.00	1.30	8.70	1.24	2.93	1.30	35.67
1895...	1.95	1.30	0.30	1.95	1.91	2.30	4.71	3.32	1.99	0.53	2.55	7.66	30.47
1896...	1.15	2.75	2.45	3.34	6.42	4.34	7.56	6.40	4.95	1.17	3.34	0.44	44.31
1897..	5.97	1.92	**3.00**	2.50	5.15	3.95	1.10	2.10	T.	1.00	3.16	0.61	30.46
1898...	1.92	1.26	5.33	1.01	3.60	3.55	3.00	4.00	2.51	7.00	0.60	0.60	34.38
1899...	0.55	0.50	0.95	0.30	3.80	3.00	1.50	T.	1.50	3.55	0.85	1.60	18.10
1900...	T.	2.75	1.30	1.00	4.00	3.00	4.50	6.00	T.	0.50	0.80	0.20	24.05
1901...	0.70	2.10	**4.25**	**2.00**	**2.00**	2.42	1.49	1.06	1.76	3.38	0.86	1.84	23.86
1902...	0.68	0.83	2.79	1.81	**9.50**	**5.00**	5.51	3.77	5.17	1.56	3.06	1.96	41.64
1903...	1.11	2.74	1.82	**4.50**	2.43	1.32	8.46	3.95	**4.00**	1.10	1.68	2.56	35.67
1904...	2.48	1.70	4.98	4.67	4.45	1.71	1.86	2.80	3.19	1.12	0.53	1.43	30.92
1905...	1.58	1.45	2.37	3.42	7.38	6.72	4.85	2.95	3.78	**2.00**	1.15	1.68	39.33
1906. .	3.54	1.82	2.59	2.09	2.37	......	......	......	.....	......	......	......	.....
Means	1.83	1.85	2.59	2.52	4.42	3.50	3.38	2.86	2.76	2.04	1.97	1.84	31.56

Figures in bold-face type represent amounts estimated from surrounding stations.

HAMMOND, LAKE COUNTY, IND.—Elevation, 598 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1892...	1.07	1.83	2.31	4.60	8.59	9.93	2.21	0.88	2.52	2.64	2.80	3.97	43.35
1893...	4.40	1.10	1.39	6.43	2.30	2.30	1.15	......	......	......	......	......	.....
1894...	1.29	1.89	2.38	2.20	6.23	0.69	0.17	0.44	7.36	0.92	2.17	2.48	28.22
1895...	3.00	1.21	1.50	0.51	1.04	0.58	2.46	1.86	0.53	......	1.77	6.30	.....
1896...	2.68	3.40	3.69	3.92	3.95	2.82	6.48	5.78	5.04	1.11	2.60	0.42	41.89
1897...	5.58	3.42	7.35	0.99	2.40	......	0.74	0.29	0.31	0.23	0.88	0.62	.....
1898...	2.41	0.91	0.59	0.35	4.07	2.27	1.37	2.21	1.53	3.95	1.74	1.38	22.78
1899...	0.55	0.71	1.09	0.13	4.07	1.36	3.15	1.07	2.99	1.25	2.50	1.51	20.38
1900...	1.75	3.65	1.49	1.55	4.15	2.25	4.09	2.88	1.43	1.52	2.84	0.66	28.26
1901...	0.96	2.30	5.26	0.69	1.82	3.24	2.58	1.34	1.83	1.72	2.23	4.15	28.12
1802...	1.44	2.62	4.52	2.27	6.89	7.29	4.54	2.51	3.16	2.06	3.29	2.08	42.67
1903...	2.25	3.36	1.42	4.71	3.21	2.75	2.69	2.49	2.96	2.54	0.79	2.57	31.74
1904...	2.39	2.83	**4.50**	3.64	1.61	0.91	3.07	2.62	2.77	1.48	0.20	2.06	28.08
1905...	1.85	2.38	2.46	3.96	4.79	4.72	3.93	3.47	3.79	2.29	3.76	1.34	38.74
1906...	2.37	3.30	0.89	1.70	3.74	2.48	2.75	2.41	2.92	1.67	2.02	1.89	28.14
1907...	3.10	**0.80**	2.26	2.57	3.70	3.90	3.78	2.76	4.54	1.34	1.91	3.35	33.51
1908...	1.69	3.62	3.76	4.48	5.56	2.38	2.60	1.20	3.90	1.46	2.97	1.16	34.78
Means	2.28	2.28	2.76	2.63	4.01	3.12	2.81	2.14	2.97	1.75	2.15	2.25	31.15

KANKAKEE BASIN.—PLYMOUTH, MARSHALL COUNTY.—Elevation, 780 feet.

1894...	......	......	......	2.23	6.07	1.82	3.55	1.25	6.43	1.34	2.98	1.67	.....
1895...	2.14	0.82	0.94	2.30	1.43	1.81	......	......	......	......	......	......	.....
1905...	......	......	......	......	......	......	......	......		......	......	1.95	.....
1906...	2.57	1.06	2.52	2.30	2.75	5.07	2.13	2.49	2.19	2.47	4.16	3.21	32.92
1907...	3.13	0.06	3.69	3.38	2.74	4.40	4.22	3.58	4.02	1.32	2.19	4.60	37.33
1908...	1.24	5.17	3.19	3.29	7.41	2.06	2.19	2.59	0.93	0.28	2.32	1.74	32.41
Means	2.27	1.78	2.58	2.70	4.08	3.03	3.02	2.48	3.39	1.35	2.91	2.63	32.22

LAPORTE, LAPORTE COUNTY, IND.—Elevation, 810 feet.

1897...	......	......	......	2.35	3.34	2.51	3.43	0.56	0.33	1.08	4.42	3.55	.....
1898...	3.53	2.41	4.78	1.12	2.69	3.64	2.01	3.10	2.56	6.95	2.65	2.29	37.73
1899...	2.06	1.52	3.37	0.83	4.47	0.60	3.35	1.07	2.76	3.42	1.53	3.63	28.61
1900...	1.11	3.07	2.59	1.29	2.14	1.82	5.47	5.51	1.63	1.84	4.99	1.05	33.41
1901...	2.75	2.25	4.10	1.34	1.82	2.49	3.36	3.71	2.82	4.19	1.55	2.83	33.21
1902...	0.96	1.85	4.22	2.25	7.04	8.68	5.01	2.75	5.26	1.38	3.27	3.09	45.76
1903...	1.58	3.12	1.71	5.30	2.59	2.06	5.73	4.05	4.79	1.50	1.64	3.21	37.28
1904...	2.66	3.24	4.70	1.37	2.25	1.25	0.94	3.04	3.10	1.22	0.83	1.40	26.00
1905...	2.09	1.76	2.46	3.04	7.73	5.11	4.01	3.20	4.92	1.27	2.61	1.29	39.49
1906...	2.66	1.70	2.21	1.75	3.20	3.46	3.51	4.65	2.26	3.56	3.85	3.61	36.42
1907...	3.60	1.00	4.15	4.01	4.72	3.78	4.49	3.73	6.60	1.90	3.00	2.76	43.74
1908...	2.29	8.32	4.08	2.98	6.21	1.96	2.62	2.92	1.44	0.86	3.20	1.56	38.44
Means	2.30	2.83	3.49	2.30	4.02	3.11	3.66	3.19	3.21	2.43	2.80	2.52	35.86

IROQUOIS BASIN.—COLLEGEVILLE, JASPER COUNTY, IND.—Elevation, 662 feet.

1900...	......	......	......	......	4.05	4.40	3.80	2.50	1.30	0.70	4.90	0.40	.....
1901...	2.10	1.27	4.02	1.30	**1.80**	**2.40**	2.40	......	1.75	4.38	1.29	3.58	.....
1902...	1.03	1.81	3.23	1.93	2.81	13.90	6.47	1.56	4.20	1.52	3.06	2.79	44.31
1903...	1.09	3.49	1.30	5.94	2.69	2.34	4.85	5.11	2.73	2.46	1.13	2.81	35.94
1904...	4.22	2.33	5.91	4.25	3.14	0.52	3.28	2.97	3.65	1.14	0.29	2.39	34.09
1905...	2.10	2.10	1.59	3.86	7.93	2.77	3.80	3.00	3.69	2.36	2.51	1.48	37.19
1906...	2.35	1.22	2.98	1.85	1.95	1.76	3.97	5.80	2.80	1.79	4.30	4.06	34.83
1907...	4.83	0.08	6.37	3.42	4.40	3.75	5.50	4.18	3.10	**1.50**	**2.00**	**2.14**	41.27
1908...	1.07	**3.00**	3.92	3.66	8.91	1.90	3.63	2.66	1.37	0.82	2.61	1.62	35.17
Means	2.35	1.91	3.66	3.28	4.13	3.75	4.19	3.47	2.73	1.85	2.45	2.36	36.13

NOTE.—From May, 1900, to October, inclusive, 1907, the values given are for Rensselaer, 1½ miles north of Collegeville.

WABASH BASIN.—BLUFFTON, WELLS COUNTY, IND.—Elevation, 835 feet.

1896...	1.31	1.52	3.42	5.29	5.63	4.66	6.53	7.85	5.04	1.04	2.31	1.82	46.42
1897...	2.74	2.05	4.68	4.25	5.94	5.60	1.08	4.66	1.21	0.64	5.67	1.87	40.39
1898...	3.21	2.32	6.01	2.86	6.65	2.01	3.57	1.73	2.88	2.88	3.16	2.12	39.40
1899...	2.60	1.99	4.96	0.47	3.31	2.02	4.61	2.12	1.59	2.60	3.28	2.92	32.47
1900...	0.83	3.95	1.92	2.92	3.34	5.01	3.03	4.15	1.87	2.74	3.88	0.93	34.57
1901...	1.17	0.93	2.76	2.34	4.16	3.29	1.23	4.79	1.12	3.40	1.50	4.01	30.70
1902...	0.85	0.51	3.37	1.92	2.88	9.03	5.21	2.31	6.79	2.13	2.27	2.70	39.97
1903...	1.30	3.30	2.06	4.36	1.89	......	......	......	1.50	3.42	1.64	1.83	.....
1904...	4.61	2.06	7.95	3.30	3.17	2.19	4.98	2.62	3.00	1.85	......	......	.....
1905...	1.45	2.30	2.20	3.08	3.95	......	......	......	1.62	2.75	2.83	2.12	.....
1906...	1.72	1.70	3.68	2.43	1.84	......	......	......	1.10	2.14	3.52	......	.....
1907...	6.21	0.20	5.07	2.49	2.80	6.37	5.72	2.01	2.92	2.17	2.44	4.95	43.35
1908...	2.23	4.45	4.90	2.93	4.24	2.32	3.34	2.98	0.56	0.55	2.09	2.09	32.58
Means	2.33	2.08	4.08	2.97	3.83	4.25	3.93	3.52	2.40	2.18	2.88	2.49	36.94

MARKLE, HUNTINGTON COUNTY, IND.—Elevation, 814 feet.

1893...	......	......	2.22	7.84	3.01	2.30	......	0.67	3.40	2.25	3.22	2.09	.....
1894...	1.66	3.56	2.59	2.76	3.37	3.29	0.55	1.41	3.37	......	......	......	.....
1897...	......	......	......	......	......	......	......	......	1.13	1.00	5.10	0.50	.....
1898...	3.50	1.51	2.94	2.20	6.40	3.10	3.10	1.50	2.70	3.35	2.80	2.50	35.60
1899...	2.90	1.90	5.30	0.40	3.10	2.00	4.40	1.10	1.60	3.80	2.20	2.80	31.50
1900...	0.50	3.00	1.30	1.30	4.40	9.10	3.60	4.60	2.10	1.50	4.20	0.60	36.20
1901...	0.67	0.60	3.55	2.10	5.20	3.90	0.20	3.80	1.10	2.90	1.70	2.97	28.69
1902...	0.85	0.51	3.45	1.77	3.20	8.20	3.10	1.60	6.70	4.10	2.82	3.75	40.05
1903...	2.30	4.55	1.70	4.40	3.40	2.50	6.30	3.30	0.80	3.80	1.65	2.05	36.75
1904...	6.40	2.21	6.10	5.30	3.50	2.80	3.70	2.20	2.80	1.30	0.20	3.40	39.91
1905...	1.80	1.30	3.10	4.50	6.55	4.65	3.10	4.40	2.50	2.60	3.10	0.80	38.40
1906...	3.30	0.50	4.35	2.95	1.65	4.10	2.20	5.50	3.55	3.45	3.20	4.85	39.60
1907...	5.40	0.10	5.90	2.85	3.30	7.00	3.80	2.05	3.25	1.75	2.40	3.55	41.35
1908...	1.10	3.60	5.00	2.50	4.30	1.95	4.70	3.60	0.80	0.60	2.25	1.90	32.30
Means	2.53	1.94	3.65	3.14	3.95	4.22	3.23	2.75	2.56	2.49	2.68	2.44	35.58

HUNTINGTON, HUNTINGTON COUNTY, IND.—Elevation, 741 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1893...	......	......	......	......	......	......	......	......	......	......	3.36	2.83	.....
1894...	2.35	3.20	2.46	3.20	3.55	1.04	0.39	0.99	2.88	2.04	3.64	1.87	27.61
1895...	2.69	1.14	1.01	0.85	1.71	1.60	1.66	1.67	1.49	0.91	5.28	4.82	24.83
1896...	1.73	1.75	3.02	2.82	6.56	3.95	11.08	8.96	4.97	1.19	3.05	1.65	50.73
1897...	3.27	3.00	3.23	3.45	3.42	4.87	2.15	4.77	0.93	1.21	5.68	2.91	38.89
1898...	4.18	2.13	5.67	2.85	5.66	3.73	3.80	1.97	3.97	3.49	3.48	2.11	43.04
1899...	2.71	2.31	5.05	0.71	3.02	3.22	3.31	1.64	2.65	3.26	2.85	3.55	34.58
1900...	0.96	4.82	2.44	1.88	5.77	7.91	3.46	4.19	1.98	2.64	5.15	0.96	42.16
1901...	2.07	1.47	4.58	2.58	5.89	3.05	0.91	2.53	1.70	5.53	1.35	3.58	35.24
1902...	1.41	1.09	3.32	1.49	3.94	9.03	3.07	1.93	7.33	4.21	3.29	3.52	43.63
1903...	1.71	4.31	1.85	4.45	2.86	3.37	7.39	3.17	1.49	2.80	3.53	2.47	39.40
1904...	5.19	2.64	7.66	4.45	3.54	1.80	5.93	2.88	3.56	1.47	0.24	2.84	42.20
1905...	2.45	1.52	2.50	4.40	5.99	6.85	2.25	4.25	4.05	2.94	3.29	2.21	42.70
1906...	2.12	1.10	2.65	2.57	2.27	3.44	2.13	6.43	2.47	3.26	3.78	3.42	35.64
1907...	5.57	0.16	4.55	2.15	2.67	4.47	6.25	2.85	3.16	1.85	2.37	4.52	40.57
1908...	1.55	4.79	4.76	2.62	5.02	1.95	2.45	1.63	0.90	0.39	1.63	1.56	29.25
Means	2.66	2.36	3.65	2.70	4.12	4.02	3.75	3.32	2.90	2.48	3.25	2.82	38.03

MARION, GRANT COUNTY, IND.—Elevation 814 feet.

1885...	......	......	......	......	......	......	......	......	......	......	2.30	1.40	.....
1886...	2.00	......	1.95	1.60	3.90	3.20	2.00	3.30	5.10	......	2.10	......	.....
1887...	0.50	......	......	......	2.60	......	......	......	......	......	......	......	.....
1888...	**2.96**	**1.70**	**2.76**	1.90	1.50	3.45	1.20	0.30	0.11	**4.27**	3.40	1.20	24.75
1889...	2.20	1.40	1.70	0.50	3.20	2.60	3.10	0.50	2.10	0.60	2.50	2.60	23,00
1890...	4.10	1.40	1.40	3.10	6.10	2.60	1.12	2.70	**5.14**	**2.49**	**2.29**	**0.90**	33.34
1891...	......	......		......	0.65	5.01	2.24	4.92	1.18	1.33	4.85	2.19	.....
1892...	1.41	3.21	2.87	5.63	10.65	7.52	6.18	5.46	5.53	T.	4.52	1.60	54.58
1893...	2.30	5.46	2.76	8.45	4.45	2.28	0.47	0.99	2.45	2.15	3.00	2.44	37.20
1894...	1.03	3.62	3.36	2.48	3.80	1.41	1.07	1.42	2.95	1.90	2.77	1.54	27.35
1895...	1.84	0.51	2.16	1.71	0.81	1.37	0.80	1.37	2.46	0.91	5.42	3.27	22.63
1896...	1.59	1.91	2.83	3.11	3.64	3.77	6.19	8.86	4.85	1.25	2.83	1.54	42.37
1897...	2.78	1.52	4.04	3.90	4.38	5.42	3.24	2.85	0.56	0.90	5.91	1.85	37.35
1898...	3.89	1.75	6.17	2.59	8.45	4.29	2.10	2.12	2.47	3.50	3.53	2.43	43.29
1899...	3.13	2.17	4.90	1.49	4.10	2.03	3.51	1.65	3.71	2.35	3.12	3.47	35.63
1900...	0.88	3.96	2.16	1.97	3.94	8.20	2.92	2.63	3.45	2.42	4.50	0.91	37.94
1901...	1.27	1.53	3.95	2.65	5.20	4.39	0.16	2.77	1.30	4.00	1.19	3.94	32.35
1902...	1.05	0.82	3.51	1.61	2.59	8.02	6.23	2.10	6.10	2.03	3.45	3.12	40.63
1903...	2.12	4.29	1.97	6.62	4.12	6.60	2.14	3.02	1.09	2.71	3.06	2.12	39.86
1904...	4.91	2.44	8.28	4.30	2.85	3.89	3.67	2.90	3.47	1.27	0.35	3.55	41.88
1905...	2.49	2.06	2.61	3.43	5.18	4.97	3.89	5.49	3.64	2.59	2.90	2.39	39.64
1906...	2.69	1.20	4.09	3.07	2.52	3.05	2.64	9.66	3.51	3.08	3.73	4.30	43.54
1907...	7.01	0.15	4.62	2.64	2.35	7.46	3.97	3.82	2.66	2.35	2.00	4.70	43.73
1908...	2.16	4.83	5.63	3.28	4.01	1.19	4.79	1.31	1.16	0.30	2.29	2.23	33.18
Means	2.47	2.30	3.51	3.14	3.96	4.21	2.89	3.10	2.95	2.02	3.13	2.44	36.12

KOKOMO, HOWARD COUNTY, IND.—Elevation, 840 feet.

1892...	......	......	......	......	......	......	......	......	2.44	0.34	4.46	1.21	.....
1893...	1.78	5.53	2.97	8.42	4.37	1.48	......	0.36	2.54	2.08	2.93	1.78	.....
1894...	1.79	2.98	2.89	3.31	3.61	1.69	1.53	1.43	2.82	1.36	4.71	1.36	27.48
1895...	2.02	0.47	0.93	1.88	0.82	1.78	2.12	1.55	2.44	1.02	2.71	5.88	25.62
1896...	0.99	1.85	2.17	4.12	4.90	2.08	9.17	5.55	3.83	0.87	2.96	1.32	39.81
1897...	4.66	2.02	3.77	3.76	2.99	6.76	1.05	2.04	1.20	1.52	6.23	2.46	38.26
1898...	4.99	1.60	7.46	2.97	8.36	4.45	2.65	2.42	2.28	4.69	3.12	1.83	46.82
1899...	2.32	1.78	4.33	0.33	4.19	2.97	4.88	3.71	3.38	3.31	2.65	2.88	36.73
1900...	0.51	3.16	2.33	1.34	5.79	8.45	4.31	5.55	1.90	2.21	4.29	0.81	40.65
1901...	1.10	1.53	3.59	2.47	4.91	5.09	0.17	3.35	1.34	4.64	1.08	2.10	31.37
1902...	0.78	0.96	2.88	2.55	3.08	9.13	6.30	1.22	6.03	2.13	3.12	2.68	40.86
1903...	1.88	3.56	1.35	4.41	2.98	2.47	1.15	4.95	1.23	2.20	2.45	3.07	31.70
1904...	7.26	1.51	5.79	3.46	4.92	5.37	**4.92**	**2.00**	2.72	1.28	0.11	2.55	41.89
1905...	1.60	1.10	1.54	3.52	**4.50**	3.84	1.45	7.63	3.70	3.36	2.56	1.70	36.50
1906...	2.80	0.95	4.13	2.89	2.52	2.64	3.38	5.28	2.34	2.06	3.06	3.92	35.97
1907...	5.59	0.04	3.80	2.08	3.15	4.45	4.88	4.05	2.51	2.42	1.74	3.83	38.54
1908...	1.55	3.44	2.59	3.75	4.50	1.13	2.95	0.89	0.72	0.22	2.20	**1.60**	25.54
Means	2.60	2.03	3.28	3.20	4.10	3.99	3.39	3.25	2.55	2.09	2.96	2.41	35.85

LOGANSPORT, CASS COUNTY, IND.—Elevation, 620 feet.

1881...	0.23	7.40	2.50	2.58	2.09	4.90	1.54	0.67	4.55	5.47	5.76	5.99	43.68
1882...	1.94	4.83	3.52	4.45	5.49	8.99	3.62	3.59	0.24	3.07	3.03	3.14	45.91
1883...	1.75	5.76	1.26	3.88	7.51	5.60	5.87	2.61	3.14	5.29	3.46	2.09	48.22
1884...	1.80	4.43	4.01	2.19	3.42	4.25	3.17	1.83	2.29	3.26	1.82	5.82	38.20
1885...	2.01	4.10	2.15	3.74	5.02	5.23	4.00	2.72	5.00	3.68	2.62	3.05	43.62
1886...	2.26	1.26	1.97	2.20	5.20	4.45	4.80	6.30	5.90	1.30	3.76	2.83	42.23
1887...	4.02	5.15	2.36	2.10	3.90	2.95	2.65	3.25	2.50	1.90	5.21	3.80	39.79
1888...	3.50	2.65	3.08	3.33	5.55	4.41	1.80	0.98	......	......	4.37	2.00	.....
1889...	......	......	......	......	......	......	......	......	......	......	......	3.01	.....
1890...	2.48	2.66	3.56	5.71	6.17	5.47	2.43	2.67	3.24	2.55	1.44	0.50	38.88
1891...	0.85	2.65	3.51	2.77	1.12	3.74	1.19	2.85	1.31	1.09	6.42	1.55	29.05
1892...	0.84	2.39	2.66	4.82	10.21	4.47	2.34	2.30	1.32	0.51	3.88	1.10	36.84
1893...	2.66	2.39	2.23	6.91	4.10	2.17	1.34	0.54	3.09	1.85	3.42	1.34	32.04
1894...	1.68	1.95	2.65	3.68	4.08	2.37	0.24	0.79	3.66	1.25	3.16	1.26	26.77
1895...	2.19	0.82	0.93	1.54	1.44	1.27	2.24	1.37	3.10	1.04	4.12	5.63	25.69
1896...	1.02	0.73	1.78	2.80	4.23	3.74	7.04	4.05	5.15	0.60	1.19	0.58	32.91
1897...	4.10	1.26	2.89	2.84	2.22	3.29	1.28	0.55	0.28	2.44	5.57	1.61	28.33
1898...	1.43	0.85	3.63	2.39	4.91	2.50	1.94	2.37	1.97	5.37	3.29	1.86	32.51
1899...	2.30	1.16	3.43	1.21	4.34	2.31	1.51	1.19	0.97	2.71	1.89	1.82	24.84
1900...	0.78	2.55	3.46	1.42	2.60	3.34	3.81	3.22	1.92	3.20	4.16	0.50	30.96
1901...	1.30	1.59	3.29	3.17	2.64	2.99	1.09	3.38	0.88	4.47	1.23	3.49	29.52
1902...	2.88	0.61	2.00	1.48	3.91	9.55	4.90	2.09	4.40	2.65	2.37	3.12	39.96
1903...	1.27	3.22	1.20	4.22	3.57	3.65	5.29	4.42	2.12	4.85	1.67	2.90	38.38
1904...	3.29	1.74	4.50	3.99	3.49	1.28	4.70	1.50	5.27	1.08	0.10	1.49	32.43
1905...	1.25	1.51	1.19	4.09	5.40	3.40	1.97	5.61	4.24	3.94	3.69	1.85	38.14
1906...	2.54	0.44	2.75	2.16	1.78	4.50	5.42	5.59	6.74	2.18	3.64	3.96	41.70
1907...	4.60	0.35	3.92	1.71	4.07	6.38	5.79	6.13	2.71	1.70	2.42	4.84	44.62
1908...	1.38	4.82	5.43	3.92	6.22	1.39	3.99	2.69	0.75	0.50	2.23	1.45	34.77
Means	2.09	2.57	2.81	3.16	4.25	4.02	3.18	2.79	2.95	2.61	3.19	2.59	36.21

Figures in bold-face type represent amounts estimated from surrounding stations.

WINAMAC, PULASKI COUNTY, IND.—Elevation, 709 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1897...	.....	.....	.....	.....	4.08	5.94	.....	1.30	0.52	0.39	.....	.....	.....
1898...	3.45	1.79	5.00	1.82	5.19	3.48	3.44	4.84	3.53	6.17	4.13	0.82	43.66
1899...	2.49	.....	4.36	0.59	5.05	2.97	3.15	0.57	2.46	3.16	2.01	2.40	.....
1900...	0.07	2.45	0.74	1.40	3.74	3.75	6.58	3.06	2.09	2.02	5.58	0.01	31.49
1901...	1.47	1.65	2.48	2.04	1.16	2.41	0.50	3.29	1.08	6.06	0.85	4.76	27.75
1902...	.....	.....	3.89	1.54	5.67	10.94	5.59	1.49	3.65	2.60	3.37	.....	.....
1903...	.....	3.35	1.15	6.52	3.26	.....	4.18	3.76	4.55	4.02	1.05	.....	.....
1904...	.....	.....	.....	4.68	4.23	0.88	1.80	2.64	5.13	.....	T.	2.06	.....
1905...	.....	.....	.....	3.53	7.59	4.46	3.32	2.12	3.76	2.72	.....	.....	.....
Means	1.87	2.31	2.94	2.76	4.44	4.35	3.57	2.56	2.97	3.39	2.43	2.01	35.60

MONTICELLO, WHITE COUNTY, IND.—Elevation, 674 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1884...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.40	5.92	.....
1885...	2.83	1.87	0.60	3.41	3.32	5.35	2.79	3.43	3.86	3.99	2.89	1.26	35.60
1886...	2.23	1.35	2.13	2.03	5.82	3.00	2.91	6.70	3.58	.....	**0.50**	**0.80**	.....
1887...	0.68	4.08	2.00	1.25	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	1.91	2.43	1.58	2.23	4.57	4.18	2.85	5.06	3.72	3.99	1.60	2.66	36.78

DELPHI, CARROLL COUNTY, IND.—Elevation, 668 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1885...	.....	.....	.....	.....	.....	.....	6.31	5.31	3.99	3.24	2.76	3.42	.....
1886...	3.10	1.36	2.29	2.03	6.85	2.93	2.54	5.50	6.54	1.35	3.12	2.84	40.45
1887...	1.73	4.35	1.75	2.49	4.13	1.82	1.87	3.42	3.13	1.67	4.50	3.00	33.86
1888...	4.37	2.52	2.54	3.32	5.06	8.10	2.63	1.12	0.69	3.03	4.78	1.89	40.05
1889...	1.26	1.43	1.18	0.81	7.25	3.87	6.81	0.68	3.08	1.07	3.35	1.79	32.78
1890...	5.59	2.63	3.12	6.46	7.44	3.97	1.53	3.19	2.18	2.19	2.20	0.46	40.96
1891...	1.65	2.67	3.88	3.46	1.38	4.47	3.12	3.47	1.39	1.06	6.35	1.65	34.55
1892...	1.27	2.52	2.81	5.79	10.16	5.66	3.82	2.10	1.37	0.24	3.86	1.41	41.01
1893...	2.22	4.62	3.64	7.47	3.12	2.12	0.41	0.70	3.29	1.82	2.94	2.27	34.62
1894...	1.91	2.99	2.79	2.66	6.96	3.24	1.75	1.46	5.92	0.91	2.49	1.99	35.07
1895...	2.64	0.90	1.06	1.97	1.06	1.42	2.68	2.69	2.81	0.76	4.10	4.88	27.17
1896...	0.79	1.72	1.98	2.62	4.57	2.99	7.61	6.61	4.82	0.69	2.52	0.79	37.71
1897...	3.79	1.50	3.83	2.89	3.09	4.85	2.10	1.62	0.25	1.79	5.84	2.64	34.19
1898...	3.26	1.39	6.18	2.07	6.51	5.32	2.93	4.13	2.39	4.51	3.64	1.96	44.29
1899...	2.61	2.02	4.15	0.80	4.50	2.82	3.27	3.45	2.24	3.88	2.78	3.08	35.60
1900...	0.46	4.30	2.57	1.59	4.38	7.28	5.22	4.43	2.13	3.62	4.14	0.57	40.69
1901...	1.41	1.57	3.43	2.21	3.62	4.24	0.47	2.81	0.78	5.06	1.52	3.80	30.92
1902...	0.85	1.59	2.36	1.52	3.42	13.14	5.16	1.05	4.01	2.99	3.07	3.35	42.51
1903...	2.03	4.08	1.42	4.94	2.36	5.20	1.56	3.49	2.53	1.81	1.35	2.71	33.48
1904...	5.16	1.61	7.46	5.22	3.10	2.86	5.54	2.22	4.11	0.65	0.12	2.18	40.23
1905...	2.56	1.94	2.05	4.22	5.48	4.11	5.16	2.47	3.92	3.83	3.41	1.72	40.87
1906...	3.66	0.68	3.79	2.04	2.47	3.27	5.10	4.19	3.68	2.35	3.69	4.35	39.27
1907...	7.00	0.32	3.93	1.91	2.87	5.50	6.43	3.86	3.94	1.31	2.31	5.53	44.91
1908.	1.30	5.20	4.92	4.49	6.09	1.96	5.84	2.70	0.61	0.27	2.20	1.49	37.07
Means	2.64	2.34	3.18	3.17	4.60	4.40	3.74	3.03	2.91	2.09	3.23	2.49	37.82

LAFAYETTE, TIPPECANOE COUNTY, IND.—Elevation, 617 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1880...	6.11	2.49	3.32	6.82	6.37	7.88	1.88	2.02	2.46	1.47	2.25	1.56	44.63
1881...	0.40	5.78	3.30	2.25	3.82	7.16	2.05	0.47	4.20	4.42	6.49	5.84	46.18
1882...	1.44	4.41	3.88	2.85	7.80	9.10	2.67	5.13	0.30	3.35	2.16	2.92	46.01
1883...	2.60	7.43	1.32	3.08	4.20	4.96	4.68	1.77	1.64	5.56	3.09	2.38	42.71
1884...	1.09	5.08	1.87	2.79	3.31	4.12	5.81	1.12	2.43	2.54	1.44	6.27	37.87
1885...	3.30	2.02	0.46	3.72	3.51	3.67	4.67	4.93	4.64	2.96	2.33	2.54	38.75
1886...	1.75	1.32	4.25	1.80	7.08	2.60	2.14	4.46	4.39	0.73	1.87	1.96	34.35
1887...	1.18	2.94	1.41	2.94	2.11	1.97	0.88	3.08	3.02	1.62	3.72	1.95	26.82
1888...	3.17	1.98	1.78	2.21	3.90	3.35	5.41	2.09	0.40	3.49	4.27	1.68	33.73
1889...	1.05	1.20	1.69	0.84	6.41	4.14	5.29	3.53	2.77	1.31	3.86	2.01	34.10
1890...	4.59	2.52	3.11	3.72	5.11	6.27	2.58	7.17	2.30	2.70	2.22	0.23	42.52
1891...	1.25	2.48	4.22	3.84	1.98	4.65	2.35	4.86	1.70	1.17	6.31	1.84	36.65
1892...	1.70	2.19	3.12	7.51	8.79	3.49	4.80	3.57	1.22	1.32	4.22	1.55	43.48
1893...	1.62	4.84	4.12	9.65	3.03	1.93	1.10	0.77	2.74	1.57	2.65	3.05	37.07
1894...	2.19	2.61	2.81	2.56	5.16	3.54	1.55	2.51	6.63	1.05	2.28	2.33	35.22
1895...	2.92	0.56	1.39	2.21	0.94	2.04	3.06	1.96	3.60	0.70	3.83	3.86	27.07
1896...	0.83	1.64	1.55	2.65	4.71	4.13	10.73	4.03	5.13	0.37	2.10	0.78	38.65
1897...	3.29	1.62	3.87	2.86	3.40	5.16	2.79	1.03	0.05	1.52	5.49	2.26	33.34
1898...	3.57	1.27	7.20	2.13	6.56	4.16	1.87	4.86	3.03	4.53	3.37	1.83	44.38
1899...	2.42	1.81	2.85	0.66	3.03	2.23	4.35	3.45	1.68	3.27	1.75	3.34	30.84
1900...	0.37	2.79	2.75	1.03	6.89	7.88	5.36	4.21	2.75	3.43	4.60	0.68	42.74
1901...	1.36	2.17	5.26	2.07	2.89	4.46	0.44	2.50	1.34	4.78	1.28	3.46	32.01
1902...	0.87	1.82	3.21	3.14	3.64	11.37	6.56	1.40	3.72	3.27	3.47	3.47	45.94
1903...	1.82	3.25	1.53	4.98	2.71	2.37	2.68	5.05	1.96	2.58	2.34	2.40	33.67
1904...	5.07	1.83	7.25	3.82	2.98	2.05	6.12	2.40	4.41	0.78	0.06	2.30	39.07
1905...	2.92	3.65	1.48	4.50	3.95	2.97	5.46	4.27	4.60	3.60	4.10	1.66	43.16
1906...	3.70	0.58	5.97	1.82	3.36	2.99	3.54	6.40	3.16	1.90	3.31	4.69	41.42
1907...	7.14	0.41	4.63	2.27	3.91	6.36	5.92	3.75	3.46	1.74	1.71	4.63	45.93
1908...	1.84	7.17	3.29	4.24	5.98	1.59	2.66	0.83	0.72	0.29	2.29	1.51	32.41
Means	2.47	2.75	3.20	3.27	4.40	4.43	3.77	3.23	2.77	2.35	3.06	2.59	38.29

VEEDERSBURG, FOUNTAIN COUNTY, IND.—Elevation, 612 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1893...	1.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1894...	2.16	2.35	3.25	.....	3.90	.....	.....	.....	.....	.....	.....	.....	.....
1899...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.79	2.46	.....
1900...	0.43	2.65	3.18	0.69	5.80	9.06	6.46	3.87	2.19	3.30	3.43	0.43	41.49
1901...	1.34	1.39	3.78	2.13	2.68	7.98	0.39	4.40	T.	4.45	0.98	3.20	32.72
1902...	.....	1.34	3.36	1.14	2.68	8.41	2.48	2.33	4.38	.....	.....	3.46	.....
1903...	2.74	3.37	0.87	4.40	.....	3.71	.....	4.05	2.28	2.35	1.79	1.23	.....
1904...	3.52	0.92	.....	3.46	2.21	2.72	3.84	3.03	3.17	0.87	.....	1.83	.....
1905...	1.63	1.61	.....	2.83	5.31	2.17	4.52	3.30	2.85	4.65	1.86	.....	.....
1906...	2.63	.....	4.80	1.40	.....	6.68	2.40	4.32	2.35	0.79	2.93	3.55	.....
1907...	6.44	T.	3.15	1.80	5.18	3.02	3.85	2.97	1.45	1.50	1.93	3.45	34.74
1908...	1.00	3.60	.....	.....	6.87	0.97	4.15	1.31	1.39	0.25	2.29	1.23	.....
Means	2.34	1.91	3.20	2.23	4.33	4.97	3.51	3.29	2.23	2.27	2.12	2.17	34.47

WEST FORK OF WHITE BASIN.—FARMLAND, RANDOLPH COUNTY, IND.
Elevation, 1,101 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1882...	.....	.....	.....	.....	.....	1.25	2.66	3.61	.....	2.58	1.76	1.81	.....
1883...	2.09	9.23	2.13	3.51	5.54	5.04	3.71	3.44	5.98	6.42	2.66	.....	.....
1884...	0.99	4.45	2.04	2.11	4.80	3.53	2.49	4.62	4.67	0.70	1.47	6.79	38.66
1885...	2.96	1.43	0.49	4.08	4.04	3.61	2.91	5.00	2.20	1.64	2.57	2.62	33.55
1886...	2.61	0.84	1.93	2.50	5.27	2.91	8.13	6.04	3.27	1.39	4.18	2.73	41.80
1887...	2.59	5.01	1.89	2.73	3.88	2.57	2.13	5.93	3.08	0.62	2.93	3.59	36.95
1888...	2.75	1.72	4.99	2.61	4.35	3.85	3.66	5.05	1.46	4.16	5.20	1.85	41.65
1889...	1.78	0.74	1.72	1.07	4.15	5.59	3.69	1.08	3.04	0.95	4.26	1.77	29.84
1890...	6.57	3.91	3.96	3.57	5.89	4.60	0.90	5.96	9.02	2.32	3.30	1.90	51.90
1891.	2.80	4.55	4.60	2.97	2.47	5.55	2.35	3.26	2.45	1.91	5.90	2.25	41.06
1892...	2.04	2.41	2.01	4.88	10.25	8.84	1.80	2.43	3.05	0.24	3.49	1.41	42.85
1893...	3.29	4.76	2.59	10.79	4.47	**2.90**	**3.90**	0.65	1.63	.....	3.78	1.99	.....
1894...	1.40	3.05	2.17	1.95	4.27	1.39	0.55	2.25	3.14	3.18	3.09	1.33	27.77
1895...	2.76	1.20	0.74	1.23	1.44	4.69	0.96	3.12	3.83	0.68	5.99	3.74	30.38
1896...	1.26	1.90	2.89	2.20	4.49	4.54	11.83	8.62	6.19	0.66	2.30	1.66	48.54
1897...	1.99	2.33	6.23	4.47	3.21	3.55	2.62	1.89	0.65	0.76	7.70	1.72	37.12
1898...	5.16	3.24	7.26	3.68	7.16	2.73	4.07	2.60	**3.60**	4.83	2.98	2.47	49.68
1899...	3.85	2.34	5.02	1.23	2.15	1.13	5.06	1.28	**1.02**	2.60	1.99	3.01	30.68
1900...	2.42	4.03	2.28	2.58	4.42	5.03	2.34	3.08	2.43	1.84	3.70	1.48	35.63
1901...	1.87	1.42	2.49	2.97	2.89	4.18	2.61	4.39	1.43	2.02	0.84	4.65	31.76
1902...	0.96	0.63	3.39	1.76	3.51	8.30	1.91	1.48	5.61	2.76	3.67	3.71	37.69
1903...	2.23	3.82	2.24	3.27	5.59	3.63	2.06	3.97	2.43	3.67	1.26	2.10	36.27
1904...	4.94	2.69	10.02	5.36	4.13	3.03	2.63	3.20	2.67	0.88	0.28	3.94	43.77
1905...	1.31	1.39	2.76	4.58	4.33	1.61	3.11	5.06	7.08	3.32	1.75	2.12	38.42
1906...	1.60	1.36	4.12	2.41	2.30	2.36	3.84	7.78	1.64	3.57	3.15	3.61	37.74
1907...	7.27	0.39	5.00	2.38	3.63	6.45	5.25	4.04	3.40	2.73	1.97	3.90	46.41
1908...	1.04	4.08	5.86	3.31	4.19	5.77	3.26	2.01	0.63	0.47	1.58	1.95	34.15
Means	2.71	2.80	3.49	3.24	4.34	4.02	3.35	3.77	3.29	2.19	3.10	2.70	39.00

ANDERSON, MADISON COUNTY, IND.—Elevation, 892 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1895...	.....	.....	.....	.....	.....	2.98	0.81	2.25	2.27	0.75	5.40	3.91	.....
1896...	1.47	1.80	2.74	2.33	3.86	3.74	9.16	5.30	7.71	1.09	3.00	0.90	43.10
1897...	2.78	1.86	5.04	4.70	3.25	2.35	2.61	2.12	0.63	0.39	7.47	2.28	35.48
1898...	4.11	1.56	6.59	2.49	4.66	1.61	3.46	4.86	2.56	4.47	3.32	2.04	41.73
1899...	3.23	1.95	4.20	1.07	2.58	1.92	4.35	4.54	3.03	2.45	3.84	2.67	35.83
1900...	1.26	3.19	2.37	**1.71**	4.82	4.15	5.85	8.36	2.02	1.85	3.55	1.54	40.67
1901...	1.37	1.44	3.23	2.82	2.79	3.30	0.99	1.60	1.06	3.54	1.30	5.24	28.68
1902...	0.67	0.54	3.27	2.03	2.75	10.04	2.64	1.01	5.73	5.13	3.49	3.90	39.20
1903..	2.05	3.74	1.93	3.16	4.90	4.49	2.98	3.96	1.23	3.19	1.39	1.66	34.68
1904...	4.33	2.12	8.18	5.64	3.59	4.13	2.42	2.25	2.90	0.78	0.11	4.16	40.61
1905...	1.52	2.41	2.71	5.22	5.65	3.47	3.39	8.37	4.15	4.79	1.80	1.85	45.33
1906...	1.74	1.01	4.36	2.00	2.57	2.26	1.14	5.33	3.36	2.09	3.18	3.81	32.85
1907...	6.40	0.15	4.69	2.76	2.85	4.88	6.93	4.85	2.27	1.89	2.18	3.49	43.34
1908...	2.15	3.74	4.67	3.02	6.92	1.53	1.85	1.73	0.86	0.98	1.57	1.34	30.36
Means	2.54	1.96	4.15	3.00	3.94	3.63	3.47	4.04	2.84	2.24	2.97	2.77	37.55

NORTHFIELD, BOONE COUNTY, IND.—Elevation, 900 feet (approximately).

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1896...	.....	.....	2.38	1.73	3.50	4.04	8.06	4.33	5.12	1.39	3.28	1.26	.....
1897...	3.95	2.81	5.31	4.57	3.41	5.11	1.78	0.94	0.20	0.80	7.17	2.25	38.30
1898...	4.30	2.10	9.91	2.34	4.76	3.37	4.62	4.53	3.07	3.85	2.89	1.80	47.54
1899...	2.95	2.20	3.59	1.24	3.94	1.65	3.55	2.88	2.55	2.69	2.76	2.90	32.90
1900...	1.13	3.11	2.94	1.37	7.39	3.38	5.20	2.41	1.70	2.15	4.50	0.80	36.08
1901...	1.37	1.50	4.00	2.90	3.29	4.80	0.10	4.52	0.68	3.12	0.87	3.19	30.34
1902...	0.80	0.70	2.48	1.85	2.48	6.38	3.80	1.15	5.16	1.83	3.61	3.01	33.25
1903...	3.35	2.90	1.77	4.29	7.75	2.42	1.74	3.66	1.51	3.48	2.16	2.09	37.12
1604...	4.65	2.66	9.25	2.77	3.05	2.78	3.60	2.17	2.08	1.01	0.08	3.50	37.60
1905...	1.21	1.90	2.95	3.66	4.57	2.26	2.49	4.74	8.16	4.08	1.90	2.23	40.15
1906...	3.50	1.27	6.41	2.29	4.37	1.56	3.15	3.75	3.66	2.38	3.04	3.56	38.94
1907..	5.54	0.30	3.93	2.23	3.73	3.07	6.00	3.22	1.44	2.55	2.00	3.48	37.49
1908 ..	1.95	4.32	4.64	3.39	4.80	2.02	2.43	0.50	0.98	0.37	*1.95	*1.64	28.99
Means	2.89	2.15	4.58	2.66	4.39	3.30	3.58	2.98	2.79	2.28	2.79	2.14	36.83

* Record at Whitestown.

Mean temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Maumee Drainage Area.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Auburn	13	25.3	22.0	36.8	46.5	59.1	67.5	72.6	70.6	63.0	51.5	38.8	27.0	48.4
Fort Wayne	12	26.5	24.4	38.3	49.2	60.7	68.4	73.4	70.6	65.8	53.9	40.3	27.9	50.0
St. Joseph Drainage Area.														
Angola..................	22	24.2	23.3	34.3	47.8	60.1	69.5	73.4	71.0	64.2	51.3	38.3	28.7	48.8
South Bend	15	25.2	21.8	36.5	48.2	60.2	68.6	73.4	71.6	66.0	53.3	39.5	27.9	49.4
Lake Michigan Drainage Area.														
Hammond..................	17	23.4	22.5	36.6	47.2	58.4	68.3	73.1	71.2	65.6	53.9	38.8	27.4	48.9
Kankakee Drainage Area.														
Laporte	11	25.3	21.9	37.2	46.3	59.1	68.5	73.8	71.1	64.6	53.5	39.5	26.8	49.0
Iroquois Drainage Area.														
Collegeville	9	26.5	23.1	40.6	48.1	62.1	68.5	74.2	72.4	65.5	54.2	40.6	28.0	50.3
Wabash Drainage Area.														
Bluffton..................	13	26.5	24.1	38.8	49.6	61.6	68.2	73.3	71.9	66.2	53.2	40.3	26.9	50.2
Huntington	15	26.2	23.7	38.6	49.9	61.5	69.7	74.2	72.5	66.1	52.8	39.7	29.0	50.3
Marion	22	26.9	26.4	38.7	50.7	61.2	70.2	74.2	72.3	66.0	53.2	39.9	30.7	50.9
Kokomo	16	27.1	25.4	40.1	50.9	62.7	70.8	74.9	72.7	62.4	54.2	40.7	30.4	51.0
Logansport	24	25.0	26.1	37.5	50.9	62.2	71.4	75.4	72.3	66.1	53.1	40.2	30.8	50.9
Delphi	24	25.1	25.5	37.5	49.9	60.9	70.7	74.4	71.7	65.0	51.9	39.0	29.7	50.1
Lafayette..................	29	25.3	26.9	37.6	50.5	61.5	70.7	74.6	72.6	66.1	53.3	39.5	29.7	50.7
Veedersburg	9	27.3	25.1	42.9	51.2	63.1	70.3	75.3	74.0	68.7	57.0	41.6	31.0	52.3
West Fork White Drainage Area.														
Farmland	26	27.0	28.1	38.8	50.2	61.1	69.9	73.5	71.1	65.0	52.6	40.4	32.3	50.8
Anderson	14	28.6	26.3	40.6	50.7	62.5	70.1	74.4	73.0	67.1	54.8	42.0	30.5	51.7
Northfield..................	13	26.7	25.0	39.2	49.1	61.1	68.5	73.3	71.3	65.0	53.0	40.0	28.7	50.1

Figures in bold-face type represent amounts estimated from surrounding stations.

Maximum temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Maumee Drainage Area.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Auburn	12	66	65	76	90	93	97	101	97	97	89	72	66	101
Fort Wayne	11	68	65	83	90	93	96	100	99	97	91	78	61	100
St. Joseph Drainage Area.														
Angola	22	65	62	79	90	100	104	104	101	100	90	76	65	104
South Bend	15	66	63	82	88	95	97	103	97	98	95	74	61	103
Lake Michigan Drainage Area.														
Hammond	17	67	58	81	88	96	99	104	101	100	89	75	58	104
Kankakee Drainage Area.														
Laporte	11	63	61	82	94	93	103	108	101	103	92	76	65	108
Iroquois Drainage Area.														
Collegeville	9	67	61	86	85	91	95	106	98	97	92	76	59	106
Wabash Drainage Area.														
Bluffton	13	70	66	82	92	93	99	103	98	100	94	74	62	103
Huntington	15	65	65	82	90	95	97	101	98	97	88	73	68	101
Marion	22	68	67	85	89	96	100	105	101	101	91	75	66	105
Kokomo	16	68	65	84	92	97	101	104	101	98	88	75	64	104
Logansport	24	68	69	81	90	98	99	105	103	97	90	80	70	105
Delphi	24	70	67	85	93	97	99	104	100	100	91	77	64	104
Lafayette	27	70	69	83	89	97	100	105	102	101	92	95	69	105
Veedersburg	9	69	64	84	88	94	97	105	101	97	90	78	62	105
West Fork White Drainage Area.														
Farmland	26	70	70	79	86	93	96	102	98	94	86	74	64	102
Anderson	14	69	66	82	89	98	99	101	97	98	89	75	61	101
Northfield	13	67	65	78	86	92	98	103	98	98	89	74	60	103

Minimum temperature.

Maumee Drainage Area.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Auburn	12	-19	-19	- 3	16	25	36	40	40	28	20	5	-12	-19
Fort Wayne	11	-12	-19	- 4	16	28	39	38	42	30	23	8	-14	-19
St. Joseph Drainage Area.														
Angola	22	-20	-25	-10	15	26	38	45	44	28	18	7	-13	-25
South Bend	15	-22	-20	- 3	13	26	37	44	44	30	12	7	-15	-22
Lake Michigan Drainage Area.														
Hammond	17	-20	-23	2	12	28	36	41	43	29	22	1	-17	-23
Kankakee Drainage Area.														
Laporte	11	-10	-21	- 2	10	23	36	45	40	29	8	2	-12	-21
Iroquois Drainage Area.														
Collegeville	9	-15	-23	3	17	28	38	45	42	31	19	9	-15	-23
Wabash Drainage Area.														
Bluffton	13	-23	-19	- 3	17	24	37	42	42	28	17	10	-12	-23
Huntington	15	-18	-17	- 1	15	29	40	45	45	30	15	7	- 9	-18
Marion	22	-25	-20	- 2	17	26	35	37	40	29	15	2	-12	-25
Kokomo	16	-17	-20	- 1	17	29	37	41	40	30	18	4	- 9	-20
Logansport	24	-25	-24	- 3	15	28	39	43	41	30	18	3	-15	-25
Delphi	24	-26	-24	- 3	13	25	37	41	37	25	18	0	-12	-26
Lafayette	27	-33	-26	- 5	10	25	33	42	39	29	16	-1	-17	-33
Veedersburg	9	-24	-14	- 6	20	23	36	42	44	31	20	7	-12	-24
West Fork White Drainage Area.														
Farmland	26	-24	-19	- 2	18	30	38	44	43	30	16	2	-14	-24
Anderson	14	-18	-19	0	19	28	39	42	43	26	15	3	-11	-19
Northfield	13	-23	-22	- 8	17	25	37	43	41	28	13	1	-13	-23

Frosts.

Stations.	Length of record.	Average date of killing frost.		Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
		First in autumn.	Last in spring.		
Maumee Drainage Area.	Yrs				
Auburn	13	Sept 29	May 3	Sept. 14	May 22
Fort Wayne	11	Oct. 9	May 2	Sept. 14	May 28
St. Joseph Drainage Area.					
Angola	15	Oct. 8	Apr. 30	Sept. 21	May 22
South Bend	15	Oct. 12	May 5	Sept. 20	May 28
Lake Michigan Drainage Area.					
Hammond	16	Oct. 15	Apr. 27	Sept. 19	May 26
Kankakee Drainage Area.					
Laporte	12	Oct. 5	May 1	Sept. 14	May 21
Iroquois Drainage Area.					
Collegeville	9	Oct. 7	May 3	Sept 13	May 21
Wabash Drainage Area.					
Bluffton	13	Oct. 2	May 7	Sept. 14	May 31
Huntington	15	Oct. 7	May 4	Sept. 19	May 31
Marion	18	Oct. 4	May 9	Sept. 5	June 7
Kokomo	16	Oct. 1	Apr. 26	Sept. 14	June 7
Logansport	16	Oct. 7	Apr. 24	Sept. 29	May 25
Delphi	16	Sept. 30	May 3	Sept. 14	May 31
Lafayette	18	Oct. 5	Apr. 26	Sept. 14	May 27
Veedersburg	10	Oct. 5	May 1	Sept. 14	May 21
West Fork White Drainage Area.					
Farmland	16	Oct. 10	Apr. 25	Sept.	May 21
Anderson	14	Oct. 11	Apr. 25	Sept. 14	May 21
Northfield	13	Oct. 2	May 3	Sept. 14	May 28

Average depth of snow.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Maumee Drainage Area.	Yrs	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Fort Wayne	11	5.1	9.2	6.5	1.0	T.	0	0	0	0	T.	1.5	4.8	28.1
St. Joseph Drainage Area.														
Angola	20	11.0	9.6	8.0	2.4	0.1	0	0	0	0	0.3	4.8	8.3	44.5
Elkhart	5	12.0	15.0	4.3	0.8	T.	0	0	0	0	0.5	3.0	10.3	45.9
South Bend	15	14.4	13.9	8.6	2.1	0.1	0	0	0	T.	0.9	7.1	13.4	60.5
Lake Michigan Drainage Area.														
Hammond	15	10.4	15.0	4.4	1.0	T.	0	0	0	0	0.1	3.1	7.6	41.6
Kankakee Drainage Area.														
Laporte	12	10.3	14.7	6.5	1.2	T.	0	0	0	0	T.	0.8	5.0	50.7
Iroquois Drainage Area.														
Collegeville	8	8.7	10.2	4.8	1.1	0	0	0	0	0	T.	1.9	6.0	32.7
Wabash Drainage Area.														
Bluffton	13	5.5	6.2	4.4	0.9	0	0	0	0	0	T.	1.5	5.0	23.5
Markle	13	6.7	8.0	6.5	0.9	0.1	0	0	0	T.	T.	2.0	6.5	30.7
Huntington	15	9.9	10.7	7.9	1.8	T.	0	0	0	T.	0.1	3.7	9.4	43.5
Marion	20	9.0	7.7	6.1	1.1	0.1	0	0	0	0	0.1	2.0	5.3	31.4
Kokomo	16	7.2	7.6	5.2	0.5	T.	0	0	0	T.	T.	1.3	4.6	26.4
Logansport	20	6.6	6.4	5.5	0.6	0	0	0	0	0	T.	0.9	4.0	24.0
Delphi	22	8.8	7.4	5.2	0.5	0	0	0	0	0	T.	1.9	4.2	28.0
Lafayette	22	7.0	6.3	4.4	0.4	T.	0	0	0	0	T.	1.2	3.5	22.8
West Fork White Drainage Area.														
Farmland	22	8.1	6.6	5.9	1.2	0.2	0	0	0	0	0.1	1.9	5.3	29.3
Anderson	13	6.5	6.2	3.3	1.2	0	0	0	0	0	T.	1.4	5.5	24.1
Northfield	12	7.1	7.8	5.2	0.7	T.	0	0	0	0	T.	1.3	3.4	25.5

Average number of rainy days.

Maumee Drainage Area.	Yrs													
Auburn	12	9	7	10	10	12	10	10	8	8	7	8	9	108
Fort Wayne	11	8	8	11	10	13	10	9	7	7	8	9	8	108
St. Joseph Drainage Area.														
Angola	20	11	9	10	8	9	9	7	6	7	7	9	10	102
Elkhart	6	12	9	11	10	12	9	10	8	8	9	8	10	116
South Bend	15	12	10	13	11	12	10	10	8	9	10	11	12	128
Lake Michigan Drainage Area.														
Hammond	17	8	7	9	9	12	9	7	6	8	6	8	7	96
Kankakee Drainage Area.														
Laporte	12	10	8	10	9	11	9	9	7	7	8	9	10	107
Iroquois Drainage Area.														
Collegeville	9	8	7	9	8	11	9	9	7	6	5	6	7	92
Wabash Drainage Area.														
Bluffton	13	10	9	12	10	13	10	9	8	7	7	9	9	113
Markle	13	7	6	8	6	9	8	6	5	5	5	6	7	78
Huntington	15	11	10	12	10	13	10	9	8	7	8	10	10	118
Marion	21	10	8	11	10	12	9	7	7	7	6	8	8	103
Kokomo	16	9	9	11	10	11	9	9	7	7	6	8	9	105
Logansport	20	9	7	10	10	12	9	8	6	7	7	8	8	101
Delphi	21	9	9	11	10	12	10	9	7	7	7	8	9	108
Lafayette	21	10	9	12	11	13	10	9	8	7	8	9	9	115
Veedersburg	9	7	6	7	7	8	8	6	6	5	4	6	6	76
West Fork White Drainage Area.														
Farmland	21	9	7	9	9	10	9	8	6	6	5	7	7	92
Anderson	14	10	9	12	10	12	10	9	8	7	7	9	10	113
Northfield	13	8	7	9	8	11	8	8	7	6	5	6	6	89

Relative humidity (percentage).

	Yrs													
Chicago	20	82	82	79	73	72	74	70	72	72	72	76	81	75
Toledo	20	82	80	76	69	69	70	68	71	73	73	76	80	74
Indianapolis	21	79	77	73	66	67	68	65	67	68	68	73	77	71

Prevailing wind direction.

	Yrs													
Chicago	38	sw.	w.	ne.	ne.	ne.	ne.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Toledo	38	sw.	sw.	w.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Indianapolis	37	w.	nw.	nw.	nw.	s.	sw.	sw.	sw.	s.	s.	nw.	sw.	sw.

Average hourly wind velocity (in miles).

	Yrs													
Chicago	20	17.0	18.0	18.4	18.3	16.8	14.1	13.5	13.4	15.6	16.5	17.6	18.1	16.4
Toledo	28	10.8	11.0	11.3	11.2	9.5	8.4	8.1	7.9	8.7	9.4	10.9	11.1	9.9
Indianapolis	12	11.7	11.5	12.1	11.3	9.9	8.9	8.2	7.4	8.3	9.4	10.3	11.5	10.0

Sunshine (percentage).

	Yrs													
Chicago	16	40	50	46	60	64	63	65	69	64	60	47	35	5
Toledo	9	33	45	44	50	59	63	68	66	62	54	39	28	51
Indianapolis	12	41	47	40	51	53	62	68	63	66	61	52	40	5

HYDROGRAPHIC DATA FOR SECTION 67.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY,

By R. H. Bolster, *Assistant Engineer.*

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.

This section lying in the northerly half of the State of Indiana, is drained by Kankakee River, tributary to Illinois River, and rivers flowing into Lake Michigan on the north, and by Wabash drainage basin on the south.

Kankakee River is one of the principal headwaters of the Illinois River. At its source, near South Bend, the marshy channel through which the St. Joseph River formerly flowed, stands about 705 to 710 feet above tide. At the State line the elevation of the river is 620 feet above tide, the fall being nearly 1 foot per mile. Extensive tracts along the course of the river, as well as on the borders, remain in a marshy condition, and the high grass greatly obstructs the flow of water.

St. Joseph River flows for a distance of about 35 to 40 miles within the State of Indiana. Its general course is westerly into Lake Michigan. The portion of the stream in Indiana traverses a plain built up as an outwash from the ice sheet. It has cut a channel in this plain of 40 to 50 feet in depth. The fall is sufficient to afford excellent water power, which has been extensively utilized at Elkhart and South Bend. Elkhart and Pigeon rivers are the two most important tributaries of St. Joseph River in northern Indiana.

The drainage basin of the Wabash embraces an area of about 33,000 square miles, of which 24,350 lie in the State of Indiana, a little more than two-thirds the total area of the State.

Only a small part of the Wabash watershed lies outside the glacier boundary. The valley occupied by the Wabash River has not had a uniform development from source to mouth. In its upper part, from its source to Huntington, Indiana, the valley has been entirely formed by the present stream and is a shallow and narrow trench. At Huntington the river enters the old westward outlet of a glacial lake that occupied part of the basin of Lake Erie, and which has a fall several times as large as that occupied by the Wabash above this point. The old lake outlet opened a new or post-glacial line of drainage in its westward course across Indiana, except for a few miles in the vicinity of Lafayette, where it crosses or follows a pre-glacial valley for a few miles. It has been compelled to do considerable excavation in rock from Huntington down as far as Covington, and still carries rapids at several points. Below Covington the stream follows very nearly in the line of a partly filled pre-glacial valley and its work has been largely the removal of a portion of the glacial deposits left from that valley. The length of the valley occupied by the Wabash is about 450 miles, but the length of the stream is fully 500 miles, for the river in its lower course makes several oxbow curves within the valley. The source of the river is about 1,000 feet above tide, while its mouth at low water is but 311 feet. The average fall, therefore, is about 1¼ feet per mile. The rate of descent is far from uniform, being much more rapid in the upper portion than in the lower. There are also many rapids separated by pools or sluggish portions of the stream.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period which is covered by the table; third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column, the mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly distributed over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly discharge of Tippecanoe River at Delphi, Ind., for the periods April 1 to December 31, 1904; May 1, 1905 to June 30, 1906.

[Drainage area, 1,890 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per sq. mile.	
January	6,770	1,200	3,100	1.64	1.89
February	4,170	1,240	1,930	1.02	1.06
March	17,700[a]	1,620	3,140	1.80	2.08
April	13,900	1,320	4,630	2.45	2.73
May	7,230	670	3,640	1.93	2.22
June	5,070	450	1,400	.741	.85
July	2,750	400[b]	1,220	.641	.74
August	1,240	269	690	.365	.42
September	1,930	402	780	.413	.46
October	2,750	402	853	.451	.52
November	2,750	390	914	.484	.54
December	3,450	390	1,170	.619	.71
The period	17,700	269	1,980	1.05	14.20

[a] March 10-31, 1904.

[b] July 1-20, 1906.

Monthly discharge of Wabash River at Logansport, Ind., for periods May 1 to August 31, and December 1-31, 1903; March 1 to November 30, 1904; March 1, 1905, to June 30, 1906.

[Drainage area, 3,160 square miles.]

January	23,000	1,320	5,280	1.67	1.92
February	2,820	294	1,320	.418	.44
March	56,100[a]	1,130	10,400	3.29	3.79
April	47,100	1,010	8,330	2.64	2.94
May	33,800	500	2,900	.918	1.06
June	11,000	302	3,160	1.00	1.12
July	32,900	345	2,220	.703	.81
August	2,680	260	704	.223	.26
September	7,410	260	1,190	.337	.42
October	2,120	280	628	.199	.23
November	13,300	280	1,060	.336	.37
December	8,180	380	2,470	.782	.90
The period	56,100	260	3,310	1.05	14.26

[a] March 4-31, 1904.

Monthly discharge of Kankakee River at Momence, Ill., for periods March 1 to November 31, 1905; March 1 to August 31, 1906.

Month.	Discharge in second-feet.		
	Maximum.	Minimum.	Mean.
March	6,960	2,060	3,250
April	4,230	1,810	2,780
May	6,960	730	2,700
June	4,230	585	2,310
July	1,920	360[a]	1,370
August	946	465	710
September	3,090	650	1,260
October	682	410	500
November	895	520	721

[a] July 1-20, 1906.

Monthly discharge of St. Josephs River at Fort Wayne, Ind., for period June 1, 1905 to July 31, 1906.

January[c]	2,210	....	586
February[c]	370	78	157
March[c]	5,490	114	945
April	5,210	78	1,120
May	334[a]	29	436
June	2,660	24	185
July	370[b]	24[b]	94.3[b]
August	300	26	98.1
September	880	26	270
October	165	50	81.9
November	992	47	145
December	760	90	386
The period	5,490	....	343

[a] May 26-31, 1905.

[b] July 1-21, 1906.

[c] Estimated—ice conditions.

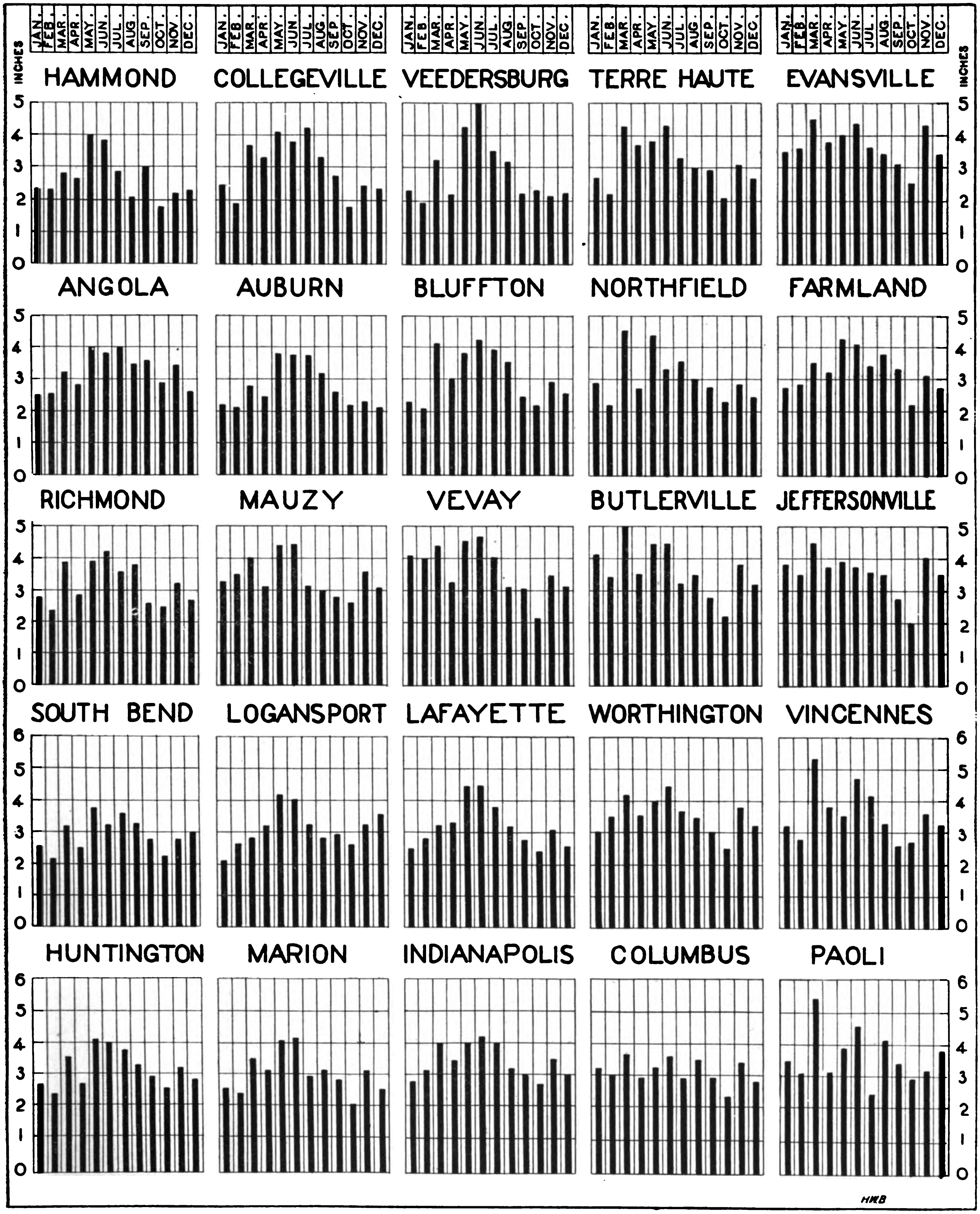
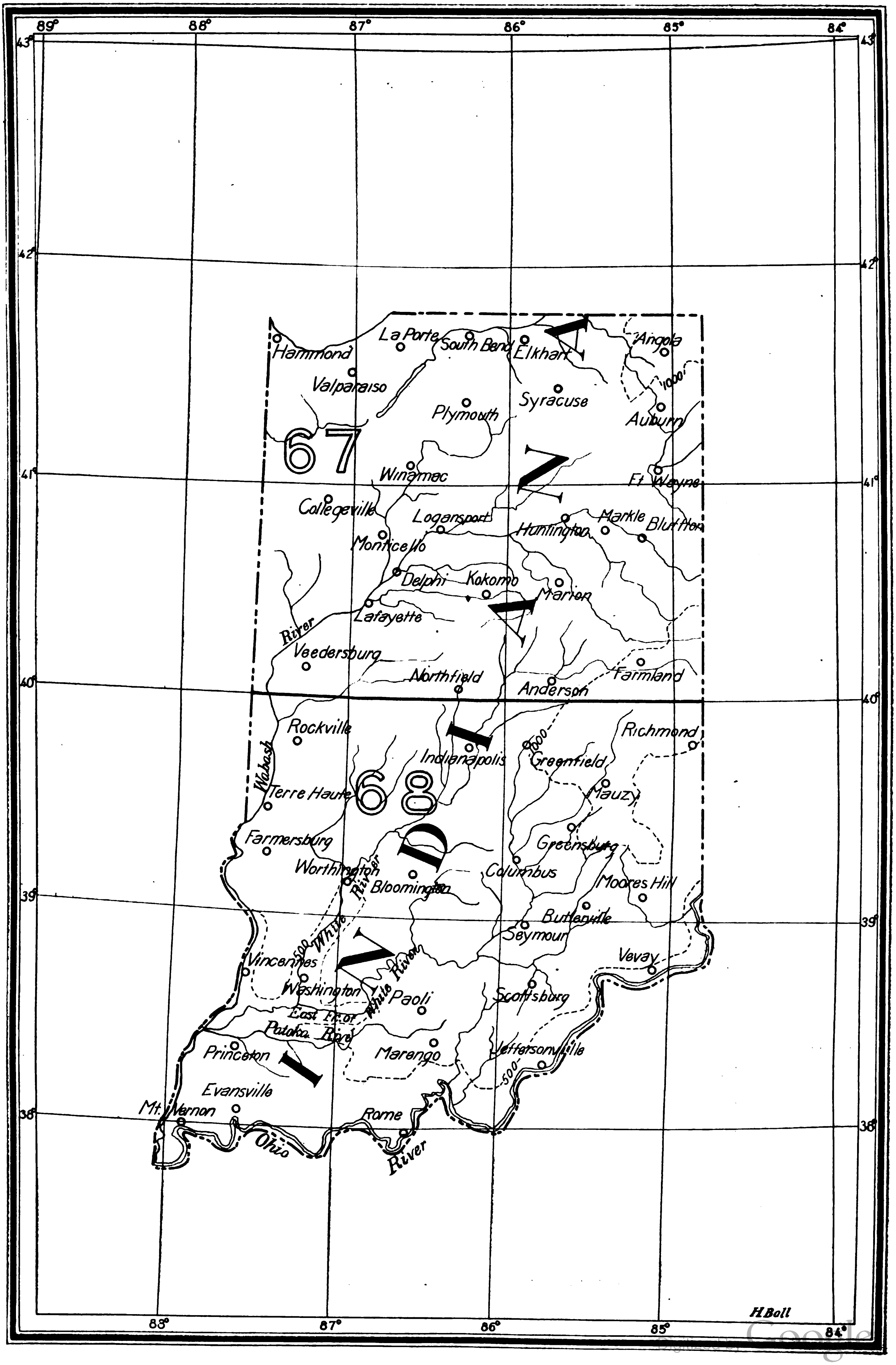


Fig. 1.—Diagram showing the comparative monthly distribution of precipitation.


89°
88°
87°
86°
85°
84°
43°
42°
41°
40°
39°
38°
INDIANA
67
68
Hammond
La Porte
South Bend
Elkhart
Angola
Valparaiso
Plymouth
Syracuse
1000
Auburn
Winamac
Ft Wayne
Collegeville
Logansport
Huntington
Markle
Bluffton
Monticello
Delphi
Kokomo
Marion
Lafayette
River
Veedersburg
Northfield
Farmland
Anderson
Rockville
Richmond
1000
Indianapolis
Greenfield
Wabash
Terre Haute
Mauzy
Farmersburg
Greensburg
Worthington
River
Columbus
Bloomington
Moores Hill
Butlerville
Seymour
500
White
Vincennes
White River
Vevay
Washington
Paoli
Scottsburg
East Fk of
Patoka River
Princeton
Marengo
Jeffersonville
500
Evansville
Mt. Vernon
Rome
Ohio
River
H Boll

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. Day, in charge.

SECTION 68—SOUTHERN INDIANA.

This Section embraces that portion of Indiana lying south of the 40th parallel of latitude, which line is nearly coincident with the northern boundary of Wayne, Hancock, Marion, Hendricks, Putnam and Parke counties, and includes slightly more than one-half the area of the State, which is about 36,000 square miles.

The physical features of southern Indiana present two distinct forms, the line of demarcation being the boundary between what is known as the drift plain on the north, and the unglaciated region to the south. This line crosses the State through Franklin, Decatur, Bartholomew, Johnson, Morgan, Putnam, Parke and Vigo counties. The portion lying south of this boundary presents a marked contrast to the remainder of the State. Its surface has been but slightly modified by glacial action, and its larger features are due to the natural formations of the bedrock foundations. It is a region of narrow valleys, sharp, irregular divides, and precipitous cliffs. Isolated knobs and hills are numerous. The central portion of this region is rugged and is known as "the hill country." Considerable picturesque scenery is found in the extreme southern portion, due to the narrow valley and high bluffs of the Ohio River.

From the drift boundary northward to that portion of the Wabash River flowing westward, the topography is that of an almost featureless plain. It is traversed by numerous ridges, but they are low and inconspicuous. The divides are flat and somewhat swampy, and the streams muddy and sluggish. The southern half of the State has a gentle south and southwest slope, the entire area draining into the Ohio River; a narrow strip in the southern portion through small streams which flow directly into that river, and the remainder through the Wabash and its leading tributary, the White River. The Wabash, after flowing nearly across the northern half of the State, enters the southern half between Parke and Vermillion counties, where, from a short distance below Terre Haute, it becomes the western boundary of the State, so continuing to the point where it empties into the Ohio. The White River, with its East and West Forks, drains a large area in the south-central portion of the State. The greater part of the area under discussion has an altitude of more than 500 feet and less than 1,000 feet above sea level. The area above 1,000 feet includes portions of Union, Wayne, Henry, Rush, Decatur, Franklin and Ripley counties, together with a narrow ridge in Brown County. Isolated points in the last named county reach a height of nearly 1,150 feet. A narrow and irregular strip of about 4,700 square miles in area, along the Ohio, lower Wabash and White rivers is below 500 feet elevation. Both the highest and lowest points in the State are within this Section; the former, in southern Randolph County, about 1,285 feet, and the latter, at the mouth of the Wabash River, 311 feet at low water mark.

CLIMATIC CHARACTERISTICS.

The principal factor in the climate of this half of the State, like that of the northern half, is the influence of latitude, which is shown by the gradual increase in temperature and precipitation from north to south, there being more than 6° difference in the mean annual temperature between the coldest and warmest portions of the Section, and 9° difference between the coldest and warmest points in the State as a whole. The change from north to south, however, is more rapid and less uniform than obtains in the northern half of the State, on account of the greater variation in altitude, and the more rugged character of the topographical features of this Section. The warmest localities are in the Ohio and Wabash valleys, the temperature increasing quite regularly from the upper to the lower portion of each valley, which would give, as is the case, the highest mean temperatures in the southwestern corner of the State. The coldest area within this Section lies in the central and east-central portions of State. The extremes of temperature show little variance from those of the northern half of the State, both Sections lying within the general path of the cold waves, which, at irregular intervals during the winter months descend the Missouri and upper Mississippi valleys and overspread the Ohio valley, there being no intervening mountain ranges or large bodies of water to temper their severity. Temperatures below zero have been experienced at all stations, and the greater percentage have recorded temperatures of from 15° to 25° below zero on one or more occasions during the past twenty-five years. Temperatures of 100° or more have also been recorded at all except two stations in this Section during the summer months.

The length of the growing season is slightly longer in the south portion of the Section than in the northern, and is from two to three weeks longer in the extreme southern counties of the State when compared with those in the northern end.

The mean annual precipitation of the Section, as shown by the tables, varies from 37 to 55 inches, the latter amount occurring at Marengo, Crawford County, and is peculiar to the one station, no other in the Section having more than 45 inches. The rainfall is well distributed throughout the year, and is usually ample during the growing season for all crops, which in this Section consist chiefly of corn, although the other cereal crops are grown to a considerable extent. Tobacco raising and truck farming are also practiced in some portions of the district. The amount of precipitation in the form of snow decreases rapidly toward the south, and at the Ohio River averages only about 16 inches, and in the extreme southwestern corner, 12 inches per annum.

The summary of climatic data published herein consists of monthly, annual and average values of rainfall, the average snowfall, the averages and extremes of temperature by months, the dates of first and last killing frosts, and other less important data.

The length of record at the several stations ranges from five to thirty-eight years, those having less than five years not being considered as having a reliable comparative value. It has been necessary to omit a few stations having records of considerable length on account of lack of space, but those retained are calculated to show a fair and impartial average for their respective localities.

For convenience and study the stations have been grouped according to drainage basins, and published with respect to elevation, beginning at the headwaters of each river system, and taking the stations in their respective order down each valley.

The temperature data are given for twenty-five stations, and consist of the highest and lowest temperatures for each month and year since the observations began, and the mean monthly and annual temperatures for the same period.

The precipitation data are presented in greater detail, on account of their marked importance as a climatic factor. The tables include the monthly and annual amounts at twenty-five representative stations for the entire time that records have been maintained at those points.

The frequency of rainfall is a valuable element in the climatology of agricultural districts, and is well illustrated by means of a table published herewith giving the average number of days for each month and the year on which 0.01 inch or more of precipitation has fallen. Another table showing the average monthly and annual amounts of snowfall is also included.

The average hourly wind velocity, prevailing wind direction, percentage of sunshine and relative humidity are included in this publication for Weather Bureau stations within, and in close proximity to, this Section.

A diagram at the end of the tables gives in graphic form the distribution of the average precipitation during the several months of the year at a number of representative stations. (See Fig. 1.)

A chart (Fig. 2) showing the portion of the State under discussion, the location of the stations from which data are published, the approximate elevation of the general surface above sea level, and an outline of the general drainage systems, is also appended.

VERNE H. CHURCH,
Section Director.

Precipitation in Southern Indiana. Monthly, annual and average amounts (in inches and hundredths).

WABASH DRAINAGE BASIN.—ROCKVILLE, PARKE COUNTY, IND.
Elevation, 722 feet.

Year.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1887...	......	......	......	1.75	1.60	1.80	0.30	3.10	1.90	2.80	5.80	5.00	.....
1888...	2.75	2.00	3.82	2.60	3.60	4.75	3.20	1.20	1.60	2.60	5.80	3.25	37.17
1889...	2.70	3.00	1.25	1.05	5.75	5.00	6.25	1.35	4.25	3.30	4.60	4.05	42.55
1890...	7.79	5.30	3.31	3.15	3.89	4.13	4.15	4.06	2.22	2.92	1.79	0.87	43.58
1891...	1.14	3.49	4.74	3.88	0.99	1.53	0.68	4.18	1.71	2.17	5.98	2.59	33.08
1892...	1.77	3.87	1.92	7.47	8.05	4.90	4.24	3.41	1.70	0.29	3.44	1.47	42.53
1893...	1.39	5.10	3.79	9.86	4.67	4.12	1.63	0.83	3.04	1.93	3.30	1.69	41.35
1894...	2.29	2.95	3.73	2.66	3.34	2.00	1.40	2.23	2.47	0.75	2.76	2.95	29.53
1895...	1.69	0.63	1.62	3.52	1.28	3.01	3.73	2.22	4.66	0.61	4.45	3.82	31.24
1896...	0.85	1.72	1.71	1.58	4.65	5.59	8.35	3.91	5.10	1.07	3.58	0.77	38.88
1897...	4.10	2.04	5.14	3.97	1.94	5.30	3.96	0.44	0.13	0.74	6.10	4.37	38.23
1898...	4.18	1.74	8.95	2.59	3.54	6.18	2.12	3.61	6.12	4.37	3.32	1.32	48.04
1899...	2.33	1.86	3.35	1.99	5.76	4.28	2.23	1.22	1.43	3.70	3.94	2.47	34.56
1900...	0.45	3.26	1.52	1.02	5.91	6.96	4.93	2.26	2.38	3.23	**3.72**	1.03	36.67
1901...	1.10	1.56	3.87	3.12	2.26	7.92	0.31	3.46	0.81	4.22	1.30	3.46	33.39
1902...	0.39	1.32	3.03	1.24	3.59	7.29	2.85	5.36	4.73	2.04	3.62	3.11	38.57
1903...	1.54	3.02	2.24	5.15	4.95	3.98	2.04	6.04	1.96	2.44	1.44	1.64	36.44
1904...	4.44	0.92	8.51	3.95	2.67	1.98	1.92	3.16	3.79	0.96	0.27	1.97	34.54
1905...	1.62	1.65	1.96	3.38	7.46	2.67	6.64	3.33	4.01	4.90	2.03	2.01	41.66
1906...	3.35	0.88	5.03	2.03	5.36	2.58	2.48	4.11	6.78	1.28	3.63	3.95	41.46
1907...	5.30	0.15	3.05	2.47	4.16	3.78	5.16	3.26	2.50	3.37	2.96	3.21	39.37
1908...	1.39	4.33	3.84	6.01	7.25	1.65	3.01	0.73	1.01	0.21	3.26	1.34	34.03
Means	2.50	2.42	3.64	3.38	4.21	4.15	3.25	2.88	2.92	2.27	3.50	2.56	37.68

TERRE HAUTE, VIGO COUNTY, IND.—Elevation, 498 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1890...	......	.....	......	......	......	2.74	......	......	......	......	3.15	......	.....
1891...	......	......	.....	......	......	0.69	0.48	6.69	1.46	0.90	4.83	2.41	.....
1892...	1.81	3.13	1.46	6.97	8.29	5.17	3.56	1.86	1.38	0.50	3.99	1.20	39.32
1893...	1.28	4.98	3.81	8.37	3.94	4.30	1.73	0.59	3.98	2.20	2.90	1.72	39.80
1894...	1.99	2.73	2.30	2.11	3.63	2.56	3.04	3.63	1.94	0.87	1.30	3.22	29.32
1895...	2.26	0.46	1.79	4.37	0.85	2.75	4.20	4.96	2.09	0.63	4.55	3.79	32.70
1896...	0.75	2.15	2.20	1.41	3.56	5.19	7.29	4.01	4.73	0.87	4.08	1.13	37.37
1897...	4.09	2.56	6.29	4.33	2.86	4.83	3.68	0.64	0.30	0.54	7.10	3.97	41.19
1898...	4.48	1.53	11.03	2.72	2.23	6.47	1.40	2.66	6.75	4.02	2.18	1.42	46.89
1899...	2.91	2.07	4.54	1.96	4.68	2.82	1.56	1.74	0.73	3.37	2.83	2.66	31.87
1900...	0.74	3.43	2.25	0.88	3.29	7.92	4.21	4.38	3.32	3.33	4.37	1.35	39.47
1901...	1.16	1.59	4.39	2.98	2.47	6.51	0.46	2.63	0.42	3.06	1.93	4.18	31.78
1902...	0.86	0.99	2.78	1.78	2.88	6.41	3.18	2.73	3.78	2.51	3.19	3.79	34.88
1903...	2.32	3.67	2.72	4.35	3.20	2.24	2.15	3.38	2.94	3.31	1.15	1.79	33.22
1904...	4.59	1.32	8.94	5.00	4.41	3.31	2.75	2.32	3.74	0.81	0.29	3.39	40.87
1905...	2.45	1.80	1.60	3.37	6.23	2.23	6.68	2.43	3.52	4.33	2.85	2.37	39.86
1906...	4.61	2.22	5.67	3.66	3.66	2.96	3.28	6.98	3.67	1.54	3.80	3.92	45.97
1907...	7.15	0.55	4.10	3.38	3.40	7.44	4.20	3.81	2.63	2.32	3.12	3.62	45.72
1908...	1.47	6.14	4.24	4.96	9.77	2.08	2.31	0.59	1.40	0.24	2.99	1.42	37.61
Means	2.64	2.43	4.12	3.68	4.08	4.14	3.12	3.11	2.71	1.96	3.19	2.63	37.81

FARMERSBURG, SULLIVAN COUNTY, IND.—Elevation, ... feet.

1899...	......	1.45	4.21	1.18	4.16	**2.85**	3.27	2.34	0.53	2.95	2.33	2.35	.....
1900...	**1.00**	3.85	1.45	0.66	5.24	7.10	4.85	2.90	**4.00**	3.70	3.41	0.83	38.99
1901...	0.79	0.50	3.30	2.51	1.24	**5.91**	0.69	0.86	1.44	3.42	1.58	4.00	26.24
1902...	0.61	0.78	3.30	2.33	1.55	3.76	3.33	3.09	2.92	1.56	2.60	3.38	29.21
1903...	1.32	3.77	5.04	3.89	1.36	3.59	**2.25**	3.93	2.16	2.62	1.66	2.22	33.81
1904...	4.68	0.90	8.90	2.42	5.87	3.60	2.76	3.12	**4.00**	0.68	0.59	4.68	42.20
1905...	0.70	**1.95**	2.03	3.96	6.42	3.02	4.77	2.69	2.72	4.76	1.98	2.11	37.11
1906...	4.14	1.68	4.82	1.79	1.47	3.35	4.23	7.94	2.70	2.04	3.61	5.69	43.46
1907...	......	......	4.39	3.09	7.54	6.02	6.28	3.94	2.07	......	......	4.20	.....
1908...	1.66	**5.75**	3.80	6.68	10.09	3.37	2.02	0.86	1.35	0.10	2.05	1.54	39.27
Means	1.86	2.29	4.12	2.85	4.49	4.26	3.44	3.17	2.39	2.43	2.20	3.10	36.60

NOTE.—The name of the station was changed in May, 1903, from Prairie Creek to Farmersburg (near). The location was not changed.

VINCENNES, KNOX COUNTY, IND.—Elevation, 431 feet.

1893...	2.34	5.02	4.05	10.60	4.15	4.98	2.17	1.12	......	......	......	......	.....
1894...	.....	......	......	3.39	5.22	2.51	1.31	3.76	2.29	2.73	0.27	3.47	.....
1895...	4.58	0.50	1.96	3.63	1.85	1.42	8.27	1.69	2.75	......	5.22	3.27	.....
1896...	0.55	2.84	3.81	0.59	4.84	5.65	5.44	2.60	4.53	1.58	4.56	0.38	37.37
1897...	2.69	2.57	13.22	6.93	2.31	3.48	4.59	0.51	1.62	0.44	8.45	**3.17**	49.98
1898...	6.13	3.03	10.59	3.85	4.21	2.55	2.87	3.84	3.79	3.24	4.00	1.27	49.37
1899 ..	3.78	2.00	3.70	1.10	4.35	4.91	3.60	4.08	0.81	4.00	2.40	3.77	38.50
1900...	1.63	3.60	2.42	1.37	3.78	14.31	7.02	1.43	3.63	1.57	4.38	1.80	46.94
1901...	0.86	2.18	3.70	3.00	1.21	6.20	1.80	3.90	2.40	4.90	1.63	5.85	37.63
1902...	1.83	0.98	2.99	1.85	2.20	6.00	2.84	4.68	2.80	2.15	4.40	4.55	37.27
1903...	3.18	4.59	4.49	6.23	1.97	2.28	3.34	4.36	1.30	3.81	2.29	2.62	40.46
1904...	5.52	2.26	10.74	1.96	4.39	4.30	2.16	4.11	4.39	0.86	0.71	3.78	45.18
1905...	2.09	1.84	3.10	4.15	3.76	4.71	8.96	4.77	1.60	8.92	2.76	2.82	49.48
1906...	3.62	2.04	6.47	1.74	2.51	4.33	3.28	4.59	5.23	1.95	5.62	4.74	46.12
1907.	8.21	0.20	4.92	3.75	3.24	5.61	3.47	4.86	0.75	2.90	4.13	5.05	47.09
1908...	1.15	8.00	4.56	6.05	5.70	2.23	5.35	2.25	1.60	0.15	3.20	1.45	41.69
Means	3.21	2.78	5.38	3.76	3.48	4.72	4.15	3.28	2.63	2.80	3.60	3.20	42.99

PRINCETON, GIBSON COUNTY, IND.—Elevation, 481 feet.

1882...	......	......	......	......	......	......	......	... ..	2.14	......	......	......	.....
1883...	......	......	......	3.00	3.50	6.60	4.80	2.50	0.15	7.20	2.95	5.90	.....
1884...	......	6.70	2.60	2.80	1.70	4.50	2.80	1.90	8.20	1.60	1.30	8.10	.....
1885...	3.80	0.80	0.40	3.70	2.30	5.90	2.40	3.40	6.80	1.90	2.70	2.80	36.90
1886...	4.50	2.70	2.20	3.50	2.10	5.10	1.40	3.10	1.60	0.10	4.70	1.20	32.20
1887...	1.00	3.40	1.70	2.30	6.10	0.10	1.00	0.25	2.10	1.00	3.90	5.10	27.95
1888...	2.70	1.50	5.80	1.50	1.95	2.50	2.60	6.50	0.90	2.90	4.05	1.60	34.50
1889...	3.30	1.90	2.00	0.80	4.40	3.60	5.35	1.55	7.10	3.00	7.50	3.60	44.10
1890...	7.65	7.15	8.75	4.35	3.70	3.75	4.10	3.98	3.65	2.01	5.52	2.35	56.96
1891...	3.32	4.50	4.92	1.15	2.10	4.12	1.45	2.70	1.85	0.95	6.35	3.35	36.76
1892...	1.60	2.95	1.50	6.40	5.50	4.85	3.37	2.68	1.70	0.85	4.49	2.10	37.99
1893...	1.10	4.70	3.49	8.79	5.40	4.73	0.96	0.53	2.56	2.96	2.43	2.24	39.89
1894...	3.72	4.20	3.15	4.20	3.87	2.40	0.95	2.75	1.65	1.83	0.45	4.45	33.62
1895...	4.61	0.60	2.05	2.25	1.70	2.23	7.60	2.10	3.20	0.50	6.25	4.15	37.24
1896. .	1.19	2.60	5.85	2.35	8.55	5.20	4.00	4.11	3.61	2.00	3.90	0.50	43.86
1897...	.....	3.90	7.75	5.98	2.75	4.77	3.75	1.20	0.25	0.85	6.63	1.13	.....
1898...	1.36	2.34	14.65	2.90	4.60	7.80	2.25	4.30	5.82	3.15	1.95	2.30	53.42
1899 ..	3.20	3.10	5.43	1.15	1.85	3.65	3.42	2.85	2.15	3.80	1.80	3.00	35.40
1900...	**1.79**	3.60	1.90	1.15	4.75	8.38	3.45	1.75	5.20	1.39	4.05	2.32	39.73
1901...	1.25	2.00	3.55	2.50	1.95	3.10	0.60	2.10	2.55	3.20	1.65	3.75	28.20
1902...	1.70	0.90	2.18	1.90	3.30	4.90	2.85	1.97	3.53	2.80	4.26	5.53	35.82
1903...	2.75	5.00	4.40	4.75	3.12	2.82	2.45	3.55	0.75	4.53	1.96	2.15	38.23
1904...	6.10	3.14	8.06	2.86	3.55	4.37	1.70	4.90	5.18	0.58	0.50	3.20	44.14
1905...	2.50	3.50	2.84	3.62	4.10	5.35	9.68	12.85	2.00	6.47	3.00	3.15	59.06
1906...	7.10	2.27	5.50	1.85	2.00	3.60	2.28	3.63	5.35	1.48	5.70	2.65	43.41
1907...	9.35	2.25	3.84	3.10	4.46	2.28	3.67	6.55	1.35	2.35	2.95	3.35	45.50
1908...	2.58	9.85	5.28	4.28	5.35	1.22	3.35	1.85	2.00	0.12	3.11	1.51	40.50
Means	3.40	3.42	4.39	3.20	3.64	4.15	3.15	3.29	3.09	2.29	3.62	3.13	40.77

Figures in bold-face type represent amounts estimated from surrounding stations.

WEST FORK OF THE WHITE DRAINAGE BASIN.—INDIANAPOLIS, MARION COUNTY, IND.—Elevation, 822 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1871...	......	......	4.00	1.87	1.59	2.51	5.00	3.69	0.89	1.54	3.52	2.39	.....
1872...	1.17	1.41	1.31	3.26	3.22	3.28	11.00	2.69	2.81	1.07	0.80	2.10	34.12
1873...	4.50	2.85	3.90	5.91	3.89	3.70	11.28	1.32	1.76	5.27	2.55	5.90	52.83
1874...	3.75	4.17	5.79	4.42	4.03	5.25	3.53	2.90	2.09	0.36	4.82	2.79	43.90
1875...	1.01	1.88	5.23	1.29	5.05	12.21	13.12	3.66	1.34	2.67	3.04	4.01	54.51
1876...	5.94	4.58	7.44	2.27	5.11	7.54	7.48	5.86	3.85	4.42	2.26	0.90	57.65
1877...	1.57	1.21	5.23	3.21	2.09	6.21	4.19	4.13	2.04	3.22	3.64	2.45	39.19
1878...	2.38	2.10	1.23	5.51	3.24	2.25	4.54	2.42	3.35	4.78	2.87	3.95	38 62
1879...	1.47	2.17	3.36	2.25	3.38	2.94	2.40	5.71	6.94	1.34	5.82	5.10	42.88
1880...	6.32	3.16	4.03	6.43	8.22	8.48	2.26	2.67	1.86	3.54	2.58	1.44	50.99
1881...	2.10	6.43	4.01	2.60	3.78	3.92	0.82	0.97	3.25	6.11	9.35	5.40	48.74
1882...	3.74	7.28	6.11	3.68	7.65	9.35	3.43	4.51	0.72	2.18	2.50	2.53	53.68
1883...	1.32	7.19	3.25	2.73	4.02	4.59	6.12	2.48	2.72	8.56	6.80	4.34	54.12
1884...	1.05	4.73	3.01	2.89	4.80	4.11	6.03	0.46	3.09	2.31	1.46	6.05	39.99
1885...	3.31	1.54	0.82	5.28	3.66	5.74	1.43	5.82	3.50	3.25	2.71	2.45	39.51
1886...	4.02	1.51	2.85	3.09	3.82	4.92	2.27	6.70	3.43	1.20	3.87	2.20	39.88
1887...	1.48	4.61	2.78	3.92	2.39	2.45	1.41	3.15	2.11	0.55	3.71	4.52	33.08
1888...	2.81	1.45	4.26	4.05	4.73	2.65	3.33	5.84	1.23	4.03	5.07	1.91	41.36
1889...	2.52	1.29	2.15	2.07	5.76	4.88	5.98	0.54	3.79	1.70	4.97	2.76	38.41
1890...	10.20	5.28	4.46	4.58	3.61	4.45	0.97	5.00	7.31	4.02	3.35	1.64	54.87
1891...	2.00	5.97	5.77	2.30	1.61	2.90	1.93	5.79	0.74	1.18	5.08	2.96	38.23
1892...	1.55	3.53	1.93	6.33	8.83	3.84	2.93	1.39	2.42	0.28	4.90	1.84	39.77
1893...	2.77	6.16	2.69	8.60	3.15	3.02	0.83	0.61	3.03	3.01	3.25	2.23	39.35
1894...	1.43	4.90	2.82	2.72	4.52	3.76	1.35	1.66	1.82	2.51	1.55	2.09	31.13
1895...	3.12	0.86	1.30	1.96	1.07	1.49	2.87	1.91	7.46	0.83	5.81	4.86	33.54
1896 .	1.60	2.47	3.08	1.27	3.56	3.09	5.72	3.91	8.17	1.65	4.19	1.13	39.84
1897...	3.71	2.37	5.85	4.83	4.37	3.70	5.70	0.42	0.79	0.45	6.87	3.09	42.15
1898...	4.93	1.47	9.90	1.73	2.59	1.77	5.52	2.63	4.23	4.86	2.39	2.08	44.10
1899...	3.52	2.08	4.18	1.36	3.38	1.76	3.64	5.82	2.54	2.51	3.31	2.77	36.87
1900...	1.54	3.60	2.10	1.55	6.14	4.42	4.10	3.32	2.95	3.20	4.12	1.41	38.45
1901...	1.59	1.63	4.11	3.19	2.45	3.52	0.83	3.57	0.66	3.52	1.17	4.09	30.33
1902...	0.76	0.54	3.08	1.60	3.66	7.52	3.67	2.09	5.33	2.36	3.03	4.06	37.70
1903...	2.39	3.74	2.13	3.72	3.73	3.19	2.54	3.92	1.18	3.67	1.67	0.58	32.46
1904...	3.87	2.75	10.95	5.53	3.75	2.50	3.63	2.48	3.96	1.04	0.11	4.85	45.42
1905..	1.43	1.85	3.10	2.70	5.47	3.64	2.29	2.74	2.13	4.24	1.48	2.20	33.27
1906...	2.36	0.86	6.20	2.13	1.68	3.62	3.29	5.23	4.50	1.17	3.06	3.37	37.47
1907...	7.68	0.18	4.07	2.07	2.85	4.68	4.41	2.33	2.31	2.23	2.52	3.23	38.56
1908...	2.47	4.46	5.12	3.86	5.19	1.05	2.62	1.67	1.14	0.23	1.90	1.54	31.25
Means	2.96	3.09	4.04	3.39	4.00	4.23	4.06	3.21	2.99	2.66	3.48	2.98	41.09

BLOOMINGTON, MONROE COUNTY, IND.—Elevation, 800 feet.

1887...	2.50	6.35	3.35	3.48	1.25	.....	.....	.....	.....	.....	.....	.....	.....
1888...	1.18	......	.....	......	......	.....	.....	......	......	.....	.....	.....	.....
1895...	......	......	.....	.....	......	......	.....	......	......	.....	.....	3.47	.....
1896...	**1.06**	2.60	2.10	T.	5.12	3.52	7.78	7.49	4.16	1.35	4.36	0.90	40.44
1897...	3.17	3.35	10.63	6.02	2.37	6.27	2.62	0.59	0.72	1.33	7.42	3.24	47.73
1898...	6.42	2.15	10.30	1.88	3.94	3.03	2.69	4.43	**7.28**	**4.00**	3.13	2.90	52.15
1899...	4.06	4.10	4.71	1.96	4.18	2.34	1.60	1.20	0.48	2.91	3.58	3.68	34.80
1900...	2.25	3.55	3.35	1.14	4.79	5.73	3.54	1.64	2.54	4.00	3.30	2.05	37.88
1901...	2.15	2.15	5.42	3.81	1.00	4.49	0.77	2.63	0.99	4.03	0.95	4.75	33.14
1902...	0.90	2.50	2.89	2.86	4.40	5.02	4.19	4.64	4.06	3.40	4.51	5.28	44.65
1903. .	4.44	6.05	4.75	4.23	2.22	2.55	3.90	5.46	1.50	2.70	2.11	2.91	42.77
1904...	5.50	4.05	9.86	2.80	3.67	4 44	2.20	1.60	4.84	1.30	1.00	6.10	47.36
1905...	3.05	2.82	3.30	4.81	5.55	2.67	4.27	8.05	2.15	7.35	1.73	3.30	49.05
1906.	4.61	2.05	9.31	2.15	2.45	3.39	2.30	7.38	2.99	1.08	4.90	4.94	47.55
1907...	9.74	0.74	6.48	3.11	3.98	3.79	4.35	3.12	2.52	4.80	4.20	4.10	50.93
1908...	**1.50**	7.85	5.26	5.51	8.91	1.93	1.81	2.06	0.83	0.29	2.65	2.05	40.65
Means	3.57	3.59	5.84	3.13	3.84	3.78	3.23	3.87	2,70	2.96	3.37	3.55	43.43

WORTHINGTON, GREENE COUNTY, IND.—Elevation, 526 feet.

1882...	......	.....	......	......	......	......	2.61	3.73	1.68	1.79	2.37	2.01	.....
1883...	1.99	9.24	3.60	3.12	3.16	3.56	5.47	1.14	1.72	9.53	6.85	4.40	53.78
1884...	1.07	5.21	1.63	3.60	4.46	4.11	7.87	1.12	4.93	1.82	1.83	7.26	44.91
1885...	3.29	2.67	0.30	4.94	4.11	5.82	1.86	5.36	5.74	3.43	2.83	2.82	43.17
1886...	3.39	2.15	3.31	2.57	6.69	7.00	2.49	4.34	3.37	0.48	5.67	2.09	43.55
1887...	0.98	6.02	3.63	3.40	3.35	0.55	2.30	3.10	1.84	1.13	4.52	4.73	35.55
1888...	2.03	1.20	4.70	2.09	4.52	3.25	4.50	5.89	1.31	3.10	4.61	1.97	39.17
1889...	2.72	1.41	2.01	1.54	2.90	7.32	6.40	0.96	5.68	2.62	6.18	2.14	41.88
1890...	10.69	5.60	5.36	4.30	4.53	3.84	0.62	4.78	5.57	2.21	3.53	1.71	52.74
1891...	1.52	5.65	5.52	2.33	0.46	3.78	1.98	11.45	1.32	1.11	5.71	3.29	44.12
1892...	1.30	4.18	1.62	8 39	5.34	5.95	3.14	2.03	1.77	0.73	4.52	1.37	40.34
1893...	2.67	5.46	2.65	8.45	3.52	3.95	1.83	3.56	5.11	3.03	3.22	1.97	45.52
1894...	2.29	3.34	2.77	2.81	4.85	4.37	3.08	2.45	2.10	3.17	1.03	3.62	35.88
1895...	4.25	0.83	1.07	3.60	0.91	2.93	3.61	2.53	2.16	0.65	6.36	3.83	32.73
1896...	1.05	2.64	2.45	0.61	4.09	6.00	7.43	4.84	3.94	1.59	5.44	0.87	40.95
1897. .	3.84	2.46	10.68	5.85	2.23	5.83	1.96	0.96	0.94	0.96	7.43	4.29	47.43
1898...	5.24	1.64	11.07	1.98	2.58	2.73	3.85	3.70	7.87	3.48	2.38	2.60	49.12
1899...	3.99	2.28	4.08	2.70	5.07	2.87	1.98	1.30	0.71	3.49	2 14	3.25	33.86
1900...	1.41	4.44	2.32	0.80	7.29	9.14	4.86	1.77	3.15	2.77	3.57	1.92	43.44
1901...	1.41	2.23	3.91	3.77	1.75	4.13	3.11	2.26	0.92	4.67	1.34	5.01	34.51
1902...	1.29	0.82	3.51	2.41	5.30	6.82	4.61	3.05	3.26	2.34	3.64	4.57	41.62
1903...	2.46	5.58	4.38	3.79	**2.36**	**2.63**	2.18	3.29	1.58	3.85	**1.91**	**2.18**	36.19
1904...	**5.20**	3.42	10.50	2.00	3.70	3.93	3.64	2.50	4.18	2.48	0.80	4.77	47.12
1905...	1.72	2.10	3.50	3.70	4.40	5.60	4.70	4.30	......	......	......	.....	.....
1906...	......	.....	......	......	......	1.61	3.75	5.37	5.56	0.81	4.99	4.34	.....
1907...	8.17	0.52	5.92	2.89	4.48	3.42	5.17	5.34	1.64	3.87	3.27	4.79	49.98
1908...	2.09	5.66	4.69	5.26	8.52	2.90	3.70	0.67	0.67	0.38	2.39	1.69	38.62
Means	3.04	3.47	4.21	3.48	4.02	4.39	3.66	3.40	3.03	2.52	3.79	3.21	42.22

WASHINGTON, DAVIESS COUNTY, IND.—Elevation, 484 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1896...	......	.....	......	......	......	6.38	3.33	2.71	4.94	1.94	2.18	0.64	.....
1897...	3.21	3.58	9.72	5.73	3.06	3.37	4.36	1.18	0.59	1.18	8.42	3.75	48.15
1898...	6.13	2.06	10.17	2.46	4.48	3.34	2.07	2.81	7.98	2.24	2.16	1.90	47.80
1899...	3.97	1.44	4.66	1.50	3.63	4.24	3.82	6.87	1.54	3.05	3.06	3.46	41.24
1900...	**1.52**	2.22	1.28	1.18	4.14	7.74	5.33	2.90	5.63	2.04	2.53	2.23	38.74
1901. .	1.14	2.32	3.52	3.24	0 82	5.15	1.43	3.67	2.63	3 94	1.89	5.22	34.97
1902...	2.01	1.64	2.35	2.45	4.47	5.25	3.57	4.33	3.07	4.16	4.38	4.81	42.49
1902...	3.50	4.94	4.65	5.60	1.67	3.11	2.63	4.78	1.30	5.21	2.48	2.34	42.21
1904...	5.56	3.09	13.73	3.11	2.43	5.32	2.39	2.68	6.02	0.58	0.55	3.92	49.38
1905...	2.27	1.93	2.58	3.27	4.58	7.30	5.75	6.69	1.70	9.39	1.44	3.42	50.32
1906...	3.76	2.33	5.12	0.97	1.79	2.95	2.01	4.87	5.96	1.39	5.39	4.53	41.07
1907...	8.62	1.74	4.61	3.58	2.53	3.57	3.23	8.36	1.24	**3.40**	3.70	4.31	48.89
1908...	1.04	6.68	4.47	5.06	6.15	2.18	2.73	1.53	0.81	0.02	2.85	1.63	35 15
Means	3.56	2.83	5.57	3.18	3.31	4.61	3.28	4.11	3.34	2.96	3.16	3.24	43.15

EAST FORK OF WHITE DRAINAGE BASIN.—GREENFIELD, HANCOCK COUNTY, IND.—Elevation, 905 feet.

1903...	......	.....	......	......	......	....	......	......	......	......	2.95	1.88	.....
1904...	2.28	3.58	10.05	2.14	5.06	2.30	3.29	1.10	3.07	0.98	0.26	5.00	39.11
1905...	1.71	1.85	2.23	3.19	5.04	3.00	1.68	5.10	1.75	5.25	2.00	1.49	34.49
1906...	2.05	0.80	6.85	2.60	1.56	5.16	2.03	6.08	3.63	1.84	4.65	3.37	40.62
1907...	7.91	T.	4.99	2.43	3.16	3.48	5.75	2.53	2.41	2.57	3.36	4.04	42.63
1908...	1.80	4.77	4.74	3.87	7.78	2.16	1.93	2.42	0.77	0.45	1.99	1.42	34.10
Means	3.15	2.20	5.77	2.85	4.52	3.22	2.98	3.45	2.33	2.22	2.54	2.87	38.10

MAUZY, RUSH COUNTY, IND.—Elevation, 980 feet.

1881...	2.69	6.03	4.98	1.79	2.96	3.79	2.16	0.40	2.82	4.64	6.05	5.63	43.04
1882...	4.00	6.30	5.54	3.17	8.00	8.26	3.91	3.46	1.78	1.39	2.26	2.54	50.61
1883...	2.01	8.31	3.12	3.38	5.60	3.27	3.65	4.64	1.73	7.88	5.96	5.12	54.67
1884...	1.63	4.10	2.80	2.73	5.65	1.56	1.87	0.57	5.45	2.67	1.70	6.14	36.87
1885...	3.69	1.99	0.83	4.25	2.00	5.76	1.56	4.75	2.47	2.89	2.35	2.02	34.56
1886...	4.27	1.14	2.88	3.25	3.37	8.34	2.62	7.31	2.63	1.10	4.17	3.14	44.22
1887...	2.02	6.28	2.97	3.86	3.68	3.36	0.69	1.50	2.38	0.61	3.81	3.79	34.95
1888...	3.83	2.41	4.87	1.82	4.83	4.61	4.86	4.84	4.32	4.81	6.78	1.78	49.76
1889...	3.17	0.83	1.70	2.08	6.09	5.19	4.22	0.29	4.78	1.60	4.82	2.13	36.90
1890 ..	8.05	5.75	4.86	3.11	3.24	4.90	0.45	3.48	3.98	3.57	2.67	1.61	45.67
1891...	3.45	5.88	5.85	3.68	2.41	4.41	1.25	3.15	1.85	0.77	5.84	3.00	41.54
1892...	1.14	4.16	1.93	5.40	6.82	6.66	2.89	2.15	1.31	0.45	3.74	1.51	38.16
1893...	3.78	6.09	1.71	9.11	6.86	3.67	4.19	0.90	2.47	3.54	2.63	2.03	46.98
1894...	1.77	4.05	3.21	2.09	3.98	3.09	0.27	0.56	4.73	2.03	1.77	3.39	30.94
1895...	4.51	0.61	1.56	1.23	0.79	3.78	0.35	1.21	2.02	0.63	6.12	4.03	26.84
1896...	1.49	2.39	3.15	1.02	3.52	4.26	7.69	4.68	4.94	1.00	4.20	1.43	39.77
1897...	3.24	2.38	6.94	5.15	3.36	3.46	4.66	2.40	0.80	0.98	9.25	3.24	45.86
1898...	5.70	1.80	10.67	1.33	3.25	4 67	2.66	2.63	4.27	4.16	3.29	3.36	47.79
1899...	3.59	2.18	3.78	1.76	3.15	2.08	3.18	2.51	1.17	2.64	2.28	3.35	31.67
1900...	2.57	4.07	2.21	2.19	6.62	3.95	4.79	3.21	2.82	1.96	3.65	1.11	39.17
1901...	1.67	1.92	3.25	3.09	2.32	3.32	2.10	4.47	1.72	2.10	1.14	4.01	31.11
1902...	0.98	0.56	4.32	2.58	6.09	8.03	2.07	1.36	5.61	4.06	3.55	4.02	43.23
1903...	2.77	4.90	3.29	3.21	4.29	3.52	5.21	3.64	0.91	3.91	2.31	2.15	40.11
1904...	4.40	2.48	8.41	3.39	3.29	3.19	2.72	1.88	3.21	1.06	0.50	5.73	40.26
1905...	2.25	2.28	2.48	4.50	8.40	2.83	4.20	7.44	2.90	7.38	1.88	2.40	48.94
1906...	2.54	1.14	5.61	1.82	3.59	5.10	3.45	5.16	3.10	2.13	4.32	3.24	41.20
1907..	8.05	0.35	5.06	2.82	2.36	4.41	6.71	2.91	3.00	3 52	3.30	4.59	47.08
1908...	2.31	6.46	4.96	3.96	5.71	3.11	2.76	1.53	0.54	0.43	0.89	1.30	33.96
Means	3.27	3.46	4.03	3.13	4.37	4.38	3.11	2.97	2.85	2.64	3.62	3.14	40.97

COLUMBUS, BARTHOLOMEW COUNTY, IND.—Elevation, 632 feet.

1884...	1.23	4.85	2.36	2.62	3.32	2.30	4.58	.....	5.65	2.19	2.02	6.01	.....
1885...	3.82	2.02	0.32	4.52	2.24	4.13	1.62	7.86	2.85	3.16	1.77	2.40	36.71
1886...	6.15	1.66	2.12	2.05	4.70	5.93	3.68	5.78	4.09	1.14	5.44	1.85	44.59
1887...	1.63	6.90	3.82	4.57	2.34	2.35	0.75	1.75	1.58	0.84	3.81	3.60	33.94
1888...	2.73	2.28	5.60	1.21	3.29	1.88	2.13	5.31	2.18	3.71	6.20	1.59	38.11
1889...	2.80	1.15	0.87	0.64	4.80	4.38	4.26	0.16	4.26	2.78	4.57	2.59	33.26
1890...	7.51	6.09	5.70	2.94	2.26	5.23	0.19	6.00	3.36	3.01	2.41	1.59	46.29
1891...	2.70	5 00	6.21	2.15	0.97	4.67	1.61	8.66	2.14	1.00	5.22	3.10	43.43
1892...	1.83	3.59	1.10	5.74	6.52	3.82	3.60	2.66	2.90	0.69	2.85	1.51	36.81
1893...	2.77	4.40	1.87	8.70	3.02	2.10	1.56	1.12	4.61	4.44	2.72	1.53	38.84
1894...	2.14	4.11	2.48	2.34	5.04	2.76	0.37	0.85	2.80	1.70	0.85	4.30	29.74
1895...	4.06	0.65	1.64	1.60	1.15	3.03	3.26	2.51	2.00	0.51	5.93	3.86	30.20
1896...	1.17	2.00	2.73	0.21	1.97	3.51	8.33	3.50	4.57	1.09	3.47	1.05	33.60
1897...	2.74	3.21	9.48	5.25	1.39	4.26	6.25	0.66	0.89	0.90	7.23	3.76	46.02
1898...	6.20	1.50	6.94	1.50	3.54	4.27	2.04	4.26	6.69	5.11	3.48	2.51	48.04
1899...	3.31	2.66	3.89	2.15	3.34	2.27	2.60	4.45	1.41	2.64	3.62	2.75	35.09
1900...	2.55	4.17	1.41	1.79	2.79	3.10	4.46	1.52	0.54	1.75	3 63	1.16	28.87
1901.	1.36	1.94	2.48	3.50	1.31	3.69	1.93	3.07	2.35	2.33	1.02	3 97	28.95
1902...	1.59	0.64	2.81	2.25	4.39	4.30	2.24	1.97	4.13	2.74	3.74	3.90	34.50
1903...	2.44	5.27	3.47	3.46	3.67	4.30	2.73	4.28	0.97	2.91	1.93	1.42	36.85
1904...	5.08	2.21	8.67	1.49	3.19	2.65	1.25	1.00	4.41	1.38	0.67	4.33	36.33
1905...	1.72	1.81	2.72	3.91	5.84	5.46	2.28	3.44	0.87	6.96	1.95	2.70	39.66
1906...	2.59	1.47	5.82	1.71	1.51	3.79	2.71	4.99	4.54	1.46	4.43	4.15	39.17
1907...	7.88	0.24	5.06	2.74	2.62	5.06	4.62	2.58	2.38	3.42	2.80	3.70	43.10
1908...	1.67	5.70	3.60	3.92	6.04	1.66	2.67	5.06	0.92	0.38	1.42	1.55	34.59
Means	3.18	3.02	3.73	2.92	3.25	3.64	2.87	3.48	2.92	2.33	3.33	2.84	37.51

T. indicates trace, less than 0.01 inch.

Figures in bold-face type represent amounts estimated from surrounding stations.

GREENSBURG, DECATUR COUNTY, IND.—Elevation, 954 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1896...	......	......	......	......	3.75	2.94	5.00	......	6.36	......	4.13	1.68	.....
1897...	1.73	4.01	8.86	5.97	3.33	......	7.24	......	0.37	0.44	7.85	.....	.....
1898...	......	......	10.84	1.15	2.98	1.85	1.85	0.94	8.28	7.75	3.79	2.95	.....
1899...	3.93	3.06	3.92	2.24	3.96	2.13	5.01	4.56	0.09	2.88	2.40	3.38	37.56
1900...	1.73	3.68	1.93	2.23	...	4.19	5.21	1.02	0.61	2.24	2.44	0.48	.....
1901...	......	2.63	3.36	7.12	2.66	1.14	3.35	......	.....	1.69	......	4.04	....
1902...	0.38	0.10	2.18	2.19	2.18	12.55	4.32	1.29	7.65	2.60	4.90	4.25	44.59
1903...	2.45	6.04	4.53	3.00	4.28	5.19	6.13	1.92	1.02	2.62	2.99	2.12	42.29
1904...	4.90	2.35	8.87	2.65	4.05	5.39	2.86	1.95	2.40	0.91	0.60	4.73	41.66
1905...	2.10	2.15	3.09	3.90	8.84	3.14	2.51	4.72	3.26	5.77	2.01	2.39	43.88
1906...	2.73	1.24	5.63	1.76	1.55	2.21	4.00	3.62	4.47	1.60	4.64	4.43	37.88
1907...	8.38	0.45	5.24	2.51	2.82	3.92	5.48	1.90	1.49	3.44	2.92	4.54	43.09
1908...	2.20	7.84	4.00	3.66	6.59	1.88	1.84	2.05	0.45	0.23	0.59	1.28	32.61
Means	3.05	3.05	5.20	3.20	3.92	3.88	4.22	2.40	3.04	2.68	3.27	3.02	40.93

SEYMOUR, JACKSON COUNTY, IND.—Elevation, 610 feet.

1888...	3.51	1.63	5.07	1.87	3.60	2.75	4.90	7.37	1.20	3.59	5.62	1.44	42.55
1889...	3.50	1.79	0.93	1.27	6.14	4.61	6.74	0.22	3.45	2.29	5.86	3.44	40.24
1890...	6.96	6.15	6.40	3.73	3.21	4.41	2.19	4.86	2.07	4.42	3.59	1.89	49.88
1891...	3.99	5.50	6.50	2.47	1.71	5.98	2.00	6.73	2.79	1.11	6.15	3.15	48.08
1892...	1.54	3.78	1.78	8.40	6.14	2.86	2.89	2.87	2.13	1.43	3.75	2.50	40.07
1893..	3.51	5.16	2.96	9.22	4.42	2.96	1.90	0.90	7.62	4.71	2.38	2.70	48.44
1894...	2.56	5.02	2.73	2.51	6.17	3.27	0.45	1.13	1.56	1.90	1.90	4.23	33.43
1895...	6.57	1.05	1.25	1.77	3.41	7.16	2.82	1.05	1.40	0.20	6.13	3.71	36.52
1896...	0.92	3.33	3.26	0.25	3.59	5.78	4.61	4.55	5.10	1.57	3.78	1.63	38.37
1897...	2.80	5.30	12.95	3.44	1.40	5.06	6.35	0.50	0.80	1.89	7.87	2.27	50.63
1898...	8.47	1.60	7.82	1.72	3.87	5.30	3.95	4.36	4.43	5.97	2.71	3.27	53.47
1899...	5.15	3.44	4.96	2.85	3.30	4.05	3.90	2.40	1.55	2.60	2.59	3.49	40.28
1900...	2.66	5.10	2.20	2.20	5.05	3.46	7.10	3.45	2.35	3.90	4.03	1.95	43.45
1901...	1.40	2.30	3.30	4.20	2.15	3.63	0.30	7.77	3.19	2.00	1.01	4.67	35.92
1902...	2.63	1.23	3.50	3.35	8.50	5.30	5.10	3.19	4.25	2.95	5.90	4.90	50.80
1903...	3.00	6.05	4.00	3.90	1.75	4.55	1.90	3.45	1.00	2.20	1.85	2.10	35.75
1904...	3.75	2.65	9.25	2.10	2.70	4.68	1.35	1.40	3.24	3.55	0.45	3.90	39.02
1905...	1.90	3.56	4.14	3.21	6.22	1.54	3.82	8.42	1.43	7.68	2.80	2.85	47.57
1906...	1.75	0.93	7.14	2.48	2.88	1.30	2.27	3.54	7.40	1.34	4.44	5.69	41.16
1907...	6.57	.....	2.02	.....	......	4.30	4.09	......	2.72	......	......	......	.....
1908...	......	......	4.56	4.79	5.63	2.01	......	......	0.64	0.09	1.17	1.37	.....
Means	3.66	3.45	4.61	3.29	4.09	4.05	3.43	3.59	2.87	2.74	3.67	3.11	42.56

BUTLERVILLE, JENNINGS COUNTY, IND---Elevation, 767 feet.

1886...	2.20	1.80	2.80	3.75	7.22	8.51	2.62	6.00	1.71	1.08	4.99	3.28	45.96
1887...	3.28	8.27	3.11	5.39	5.29	4.67	0.57	1.95	3.18	0.96	3.78	3.36	42.81
1888...	2.77	2.30	4.46	1.37	3.32	1.79	3.57	9.02	2.69	3.88	6.51	1.63	43.31
1889...	3.62	1.04	1.14	1.21	6.43	3.71	5.65	0.48	5.18	2.91	6.49	2.77	40.63
1890...	7.29	5.39	7.03	3.73	4.45	5.01	2.27	4.66	3.79	3.39	4.26	1.42	52.69
1891...	3.82	5.35	6.03	3.34	1.52	6.64	2.90	5.58	2.77	0.35	5.12	3.73	47.15
1892...	1.61	4.05	2.20	7.87	5.89	4.81	2.38	5.27	3.67	0.90	3.65	1.25	43.55
1893...	3.98	5.09	3.20	8.28	4.56	4.42	2.36	0.70	3.85	5.32	2.23	2.68	46.67
1894...	2.67	5.00	3.18	2.27	5.85	3.56	1.42	2.58	1.29	1.35	1.24	4.70	35.11
1895...	7.23	0.64	2.11	1.70	1.94	2.66	2.59	1.79	0.93	0.76	6.89	3.48	32.72
1896...	1.00	2.68	4.37	0.43	2.75	5.02	8.75	3.21	5.81	1.72	3.62	1.35	40.71
1897...	3.08	4.00	13.03	4.63	3.03	4.68	6.54	1.53	1.06	1.23	7.65	3.64	54.10
1898...	9.28	1.86	9.56	2.02	4.64	2.14	2.22	4.96	4.59	4.67	3.28	3.55	52.77
1899...	4.67	2.31	5.43	3.15	4.68	4.51	3.52	4.49	1.85	2.94	1.61	4.47	43.63
1900...	3.43	3.36	2.92	2.25	3.64	3.28	6.03	1.61	0.83	1.52	4.91	1.95	35.73
1901...	1.57	1.98	3.33	2.99	2.15	3.13	0.77	2.78	2.19	1.36	1.43	4.93	28.61
1902...	2.48	1.69	3.31	2.87	5.45	5.75	3.33	2.94	4.21	3.13	5.70	5.02	45.88
1903...	3.18	7.18	5.03	4.49	2.78	9.49	1.49	2.07	1.90	1.50	2.06	2.24	43.41
1904...	5.40	2.69	9.20	2.97	3.85	4.72	0.93	1.78	2.64	0.60	0.78	4.38	39.94
1905...	2.73	2.39	2.54	3.32	10.02	3.04	4.60	9.28	2.62	5.45	2.66	2.63	51.28
1906...	4.25	1.52	6.45	2.58	1.87	4.17	2.68	3.53	4.82	1.68	5.14	5.27	43.96
1907...	11.83	0.98	9.46	4.15	2.54	4.94	3.69	4.00	2.62	3.87	3.32	3.65	55.05
1908...	2.02	7.80	5.39	6.32	9.47	2.62	2.51	1.10	0.47	0.22	1.02	1.11	40.05
Means	4.06	3.45	5.01	3.53	4.49	4.49	3.19	3.54	2.81	2.21	3.84	3.15	43.77

SCOTTSBURG, SCOTT COUNTY, IND.—Elevation, 570 feet.

1894...	......	......	......	......	1.66	2.83	0.70	2.14	2.88	1.01	0.71	5.08	....
1895..	5.86	0.45	2.64	2.30	2.64	3.05	5.07	3.17	1.57	0.88	5.95	3.37	36.95
1896...	0.81	2.05	3.45	0.10	6.51	7.59	4.66	3.21	4.83	1.25	4.04	1.07	39.57
1897...	2.39	6.05	8.01	4.42	2.60	5.02	4.87	1.23	0.16	2.00	7.18	2.44	46.37
1898...	8.23	1.59	6.47	1.96	4.90	2.60	1.57	4.45	5.57	4.35	2.01	3.10	46.80
1899...	3.43	2.87	5.74	2.81	3.82	3.90	6.00	3.25	0.86	3.00	2.70	4.34	42.72
1900...	3.30	3.25	1.48	2.06	5.44	3.80	3.56	3.09	0.59	2.34	4.25	1.78	34.94
1901...	0.95	1.95	3.26	2.54	2.06	5.57	T.	1.84	1.87	1.35	1.36	4.47	27.22
1902...	2.98	1.10	2.48	2.09	6.42	4.75	2.11	2.57	3.77	3.04	4.32	5.19	40.82
1903...	2.43	5.92	6.71	4.21	1.37	8.11	1.63	4.08	1.65	1.88	1.87	1.67	41.53
1904...	3.45	2.25	9.41	2.29	1.52	3.21	1.89	1.12	2.44	0.27	0.81	3.78	32.44
1905...	2.49	1.89	2.89	2.88	4.71	3.89	4.52	4.31	1.53	5.92	3.34	3.36	41.73
1906...	3.24	1.68	7.73	2.15	2.25	2.86	1.08	2.80	4.51	1.23	4.47	5.26	39.26
1907...	9.85	0.66	6.36	2.68	3.11	5.14	5.21	4.52	2.73	3.45	3.34	4.20	51.25
1908...	1.35	6.47	4.19	5.54	6.80	2.94	1.83	1.54	0.89	0.21	1.55	1.51	34.82
Means	3.63	2.73	5.06	2.72	3.72	4.35	2.98	2.89	2.39	2.15	3.19	3.37	39.18

PAOLI, ORANGE COUNTY, IND.—Elevation, 611 feet.

Year.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1898...	......	......	7.92	2.09	4.66	4.87	1.91	3.56	5.94	5.30	2.39	2.62	.....
1899...	3.56	2.72	5.69	3.02	4.39	5.59	3.72	7.68	1.58	2.85	4.41	3.91	49.12
1900...	2.92	4.08	1.93	1.56	4.19	9.33	2.32	3.96	1.65	3.74	5.04	2.29	43.01
1901...	0.97	1.75	3.37	3.58	1.07	3.67	0.47	2.07	2.39	3.89	1.22	4.67	29.12
1902...	2.53	0.87	4.01	2.16	9.31	6.90	1.13	2.89	4.28	3.27	6.59	5.49	49.43
1903...	2.64	6.11	3.95	5.06	3.07	3.26	1.50	3.74	0.59	2.36	1.05	1.85	35.18
1904...	3.86	2.01	10.10	2.45	1.41	4.45	3.71	2.01	3.66	0.64	0.42	4.37	39.09
1905...	2.57	2.00	2.83	3.48	5.74	2.29	5.66	7.58	6.80	5.74	3.46	3.24	51.39
1906...	3.32	2.12	8.18	1.59	1.68	3.32	0.70	5.15	5.62	1.10	4.67	7.80	45.25
1907...	10.19	0.93	6.26	3.89	2.88	6.22	5.04	5.32	4.42	2.66	4.17	3.88	55.86
1908...	1.62	8.30	5.61	5.57	4.79	1.29	0.69	0.90	0.60	0.04	2.13	1.47	33.01
Means	3.42	3.09	5.44	3.13	3.93	4.65	2.44	4.08	3.41	2.87	3.23	3.78	43.47

WHITEWATER DRAINAGE BASIN.—RICHMOND, WAYNE COUNTY, IND.
Elevation, 972 feet.

1882...	......	......	......	.....	......	......	2.13	6.77	2.14	......	......	......	.....
1883...	2.63	2.31	2.87	3.14	6.04	5.16	4.28	2.37	1.72	6.15	5.48	4.11	46.26
1884...	1.63	4.60	2.55	2.77	5.11	1.45	1.54	0.50	6.62	1.91	1.76	5.80	36.24
1885...	3.70	1.75	0.71	3.27	1.73	4.51	1.67	6.40	2.00	3.12	1.61	1.71	32.18
1886...	2.80	1.24	2.75	2.81	5.48	6.09	3.96	9.74	3.43	1.32	4.27	2.70	46.59
1887...	2.18	2.97	2.48	4.16	3.76	2.32	2.18	3.45	1.98	0.52	3.01	3.47	32.48
1888...	3.01	1.98	4.96	2.78	3.42	4.04	4.52	3.95	1.47	5.97	6.13	1.64	43.87
1889...	2.45	0.92	0.82	0.82	6.75	3.74	4.00	1.41	4.80	1.83	4.58	2.92	35.04
1890...	7.09	5.81	4.35	2.81	3.30	3.81	0.24	4.00	4.25	2.90	2.72	1.22	42.50
1891...	3.50	4.83	4.30	4.09	0.88	4.23	2.15	2.47	1.54	0.82	5.21	2.90	36.92
1892...	1.10	3.58	2.47	5.24	......	......	.....	......	......	......	......	2.57	.....
1896...	1.58	1.74	2.88	1.67	2.42	4.49	6.72	10.88	5.93	0.99	3.43	1.88	44.61
1897...	2.13	2.52	6.58	4.83	3.61	5.42	3.04	1.89	0.90	0.98	8.23	2.42	42.55
1898...	4.83	1.36	11.36	1.78	3.12	2.60	4.61	3.32	3.17	3.86	2.89	2.42	45.32
1899...	3.24	1.52	3.12	1.58	1.87	1.86	3.46	4.68	1.49	2.60	2.22	3.05	30.69
1900...	2.51	3.87	1.92	1.59	7.26	5.64	7.41	2.35	1.63	1.59	3.76	1.06	40.59
1901...	1.67	1.31	2.74	2.37	2.52	4.03	1.49	3.56	1.18	1.49	0.73	3.85	26.97
1902...	0.75	0.36	3.28	1.97	3.35	9.41	2.24	2.07	3.87	3.01	3.48	3.77	37.56
1903...	1.84	4.46	3.06	3.62	4.78	3.72	3.04	2.48	0.80	2.80	1.95	1.53	34.08
1904...	3.46	2.39	9.03	2.14	*3.65	3.45	1.74	1.09	2.36	1.98	0.33	4.03	35.65
1905...	1.54	1.48	2.10	4.15	7.66	3.17	3.90	5.34	3.85	4.61	1.87	2.05	41.72
1906...	2.29	0.61	4.29	1.69	1.52	2.45	4.09	4.95	2.41	1.76	3.05	2.60	31.71
1907...	7.29	0.16	5.36	2.57	2.79	7.51	7.06	3.53	2.82	3.29	2.74	3.66	48.78
1908...	1.83	4.26	5.82	3.76	4.97	2.69	6.21	1.22	0.41	0.55	0.57	1.31	33.64
Means	2.83	2.44	3.90	2.85	3.91	4.17	3.55	3.84	2.64	2.46	3.18	2.72	38.49

OHIO DRAINAGE BASIN.—MOORES HILL, DEARBORN COUNTY, IND.
Elevation, 918 feet.

1902...	......	0.30	2.33	2.70	6.80	5.52	2.47	1.85	5.00	2.06	3.92	4.87	.....
1903...	2.30	5.43	4.50	3.30	3.78	4.16	2.49	2.38	1.05	1.21	1.61	1.79	34.00
1904...	3.29	2.55	8.50	2.44	2.82	3.43	1.16	2.16	2.01	0.50	0.58	3.99	33.43
1905...	2.12	2.18	2.52	3.16	8.15	2.15	2.78	9.55	1.35	4.95	2.86	2.22	43.99
1906...	3.46	1.22	6.62	1.67	0.90	3.42	3.30	5.89	4.34	1.45	3.29	4.03	39.59
1907...	8.71	0.85	7.29	4.39	2.84	2.64	3.39	3.02	2.41	3.01	2.71	3.59	44.85
1908...	1.82	6.38	3.89	5.27	7.11	1.89	2.27	2.13	0.37	0.36	1.43	1.65	34.57
Means	3.62	2.70	5.09	3.28	4.63	3.32	2.55	3.85	2.36	1.93	2.34	3.16	38.83

VEVAY, SWITZERLAND COUNTY, IND.—Elevation, 525 feet.

1882...	6.40	6.70	6.30	0.98	8.65	6.53	4.50	5.99	2.85	0.84	1.52	7.85	54.11
1883...	3.31	7.56	4.31	6.89	3.49	4.17	4.83	2.27	4.27	7.67	5.73	5.85	60.35
1884...	3.02	10.23	1.37	1.99	5.17	4.20	3.41	0.54	5.33	0.95	1.13	3.83	41.17
1885...	5.45	2.46	1.58	4.69	2.47	3.82	2.46	3.82	3.08	2.62	2.46	2.02	36.93
1886...	3.57	1.51	2.18	2.55	4.36	7.39	1.55	3.18	1.47	0.91	4.54	2.89	36.10
1887...	4.18	8.28	2.78	7.07	3.99	1.98	2.21	2.02	3.39	0.67	3.05	3.29	42.91
1888...	4.20	1.64	4.23	1.90	2.51	1.69	5.92	8.04	4.22	4.13	6.43	1.19	46.10
1889...	2.82	1.47	0.85	0.92	6.17	4.46	6.93	0.02	5.19	2.55	6.06	2.81	40.25
1890...	7.37	6.06	7.84	4.33	4.73	9.50	5.61	3.46	2.81	3.07	2.92	3.03	60.73
1891...	4.21	3.89	7.71	2.25	2.59	8.66	2.99	6.52	1.64	0.28	5.79	2.42	48.95
1892...	2.43	3.79	1.05	7.98	6.04	4.02	1.52	3.05	2.42	1.15	2.52	1.24	37.21
1893...	2.97	5.50	2.26	9.21	3.81	6.65	3.28	1.27	3.83	2.40	1.40	2.92	45.50
1894...	3.20	3.13	2.14	2.54	4.30	3.90	0.60	2.05	2.14	0.88	0.87	1.93	27.68
1895...	5.68	0.80	1.30	0.99	3.19	3.55	1.42	2.70	0.50	0.60	5.20	3.90	29.83
1896...	1.45	2.30	4.50	0.22	6.27	4.60	7.50	4.20	4.35	1.37	4.05	1.25	42.06
1897...	2.80	6.25	8.90	5.80	4.30	4.45	5.20	1.50	T.	0.85	9.10	2.00	51.15
1898...	11.60	2.15	10.43	0.97	4.60	5.55	5.55	2.40	4.40	4.65	3.35	2.85	58.50
1899...	4.00	4.20	6.70	3.25	8.15	7.65	0.55	6.35	3.05	1.75	2.95	5.90	54.50
1900...	4.20	5.00	1.40	2.15	5.35	2.75	4.20	3.20	0.30	2.00	5.55	2.35	38.45
1901...	0.80	2.98	3.07	1.80	4.95	6.30	0.40	1.55	2.60	0.60	1.45	3.85	30.35
1902...	2.70	0.75	1.65	2.80	5.25	4.05	3.75	0.70	3.85	2.80	4.15	6.35	38.80
1903...	2.80	5.45	3.85	4.15	2.70	3.80	4.20	2.65	4.15	1.65	2.15	1.10	38.65
1904...	2.40	3.35	8.35	1.55	2.77	1.70	2.10	2.15	3.05	0.95	0.35	4.00	32.72
1905...	3.70	1.35	2.50	2.67	7.72	2.85	6.75	5.65	2.10	5.15	3.35	3.30	47.09
1906...	3.10	1.65	7.45	0.55	1.60	3.55	7.95	4.50	7.55	1.15	4.15	3.55	46.75
1907...	9.30	0.85	8.29	3.71	2.30	5.20	8.45	4.40	2.10	4.50	2.90	3.50	55.50
1908...	1.25	7.35	4.80	5.45	7.85	3.60	2.20	0.63	0.70	0.20	1.62	2.45	38.10
Means	4.05	3.95	4.36	3.31	4.64	4.69	3.93	3.14	3.01	2.09	3.51	3.06	43.74

T. indicates trace, less than 0.01 inch. Figures in bold-face type represent amounts estimated from surrounding stations.

JEFFERSONVILLE, CLARK COUNTY, IND.—Elevation, 455 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1883...	......	6.16	3.57	6.18	2.58	2.02	......	1.30	0.32	6.47	5.35	5.02	.....
1884...	**4.00**	8.81	3.60	2.30	4.94	4.06	3.54	3.36	5.27	1.81	1.65	4.72	48.06
1885...	5.35	2.41	1.13	4.29	3.87	2.68	2.44	2.08	5.31	4.28	3.65	2.43	39.92
1886...	3.69	2.16	2.83	2.83	3.71	5.14	1.48	5.16	1.41	0.62	5.85	2.52	37.40
1887...	3.73	8.13	1.88	7.63	2.14	1.93	1.59	2.72	3.27	0.43	2.87	3.16	39.48
1888...	3.89	2.20	5.60	3.32	2.47	3.40	4.89	13.61	3.32	2.71	6.61	1.56	53.58
1889...	3.44	3.25	0.89	0.88	5.78	4.94	3.38	0.31	5.49	1.77	6.26	2.22	38.61
1890..	6.04	7.07	9.94	3.56	3.66	6.04	3.16	4.31	2.47	3.51	4.89	3.69	58.34
1891...	4.78	3.75	6.63	2.77	1.73	1.93	4.03	4.55	1.67	0.51	6.01	3.81	42.17
1892...	1.79	3.76	2.76	7.21	4.29	3.30	3.39	1.99	2.64	1.05	2.88	2.24	37.30
1893...	2.53	4.66	2.27	8.23	4.79	4.68	1.76	1.91	3.16	4.93	2.89	2.51	44.32
1894...	2.81	5.51	2.98	3.83	4.70	4.07	2.95	4.02	1.99	1.22	0.60	4.69	39.37
1895...	4.18	0.31	2.22	2.75	2.28	4.28	1.68	1.12	0.53	0.81	6.89	4.81	36.86
1896...	0.90	2.89	4.63	0.24	4.37	4.88	10.75	6.12	4.19	1.94	5.35	2.21	48.47
1897...	3.08	4.42	8.55	4.11	3.88	3.39	7.39	1.20	0.41	1.26	6.19	2.84	46.72
1898...	9.04	1.65	10.10	2.97	4.92	5.51	3.30	4.62	3.66	3.14	2.56	2.69	54.16
1899...	4.62	2.25	6.66	4.00	3.85	3.85	1.97	3.94	0.87	2.57	2.40	3.92	40.90
1900...	3.13	3.42	1.34	2.09	5.56	3.28	2.45	3.31	1.26	2.51	6.82	1.94	37.11
1901...	1.15	1.15	3.45	2.61	2.72	4.90	2.58	3.32	3.05	0.67	1.18	4.39	31.17
1902...	4.48	0.63	2.37	2.14	6.68	5.04	1.80	2.85	4.25	1.42	4.21	5.54	41.41
1903...	2.48	6.26	3.54	5.68	2.42	4.15	1.10	3.57	0.81	1.73	2.40	1.64	35.78
1904...	2.40	3.25	7.01	3.11	2.26	2.01	1.46	2.03	2.13	0.27	0.24	4.01	30.18
1905...	2.31	2.21	3.75	2.43	7.18	3.69	4.37	4.23	2.64	5.95	5.31	5.58	49.65
1906...	2.81	1.20	7.05	1.93	2.24	2.89	4.97	3.03	4.64	1.12	6.69	5.10	43.67
1907...	11.33	1.18	5.11	2.61	4.60	2.20	4.94	2.97	1.39	3.08	3.05	3.82	46.28
1908..	1.87	5.34	6.06	6.69	4.47	3.01	3.53	1.63	0.99	0.09	1.90	2.04	37.62
Means	3.83	3.62	4.46	3.71	3.93	3.74	3.60	3.43	2.58	2.15	4.03	3.43	42.51

MARENGO, CRAWFORD COUNTY, IND.—Elevation, 363 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1882...	......	......	......	......	......	......	......	......	......	1.56	2.64	2.62	.....
1883...	2.49	8.13	3.84	5.16	1.72	6.60	4.80	1.73	3.27	6.18	4.80	4.45	53.17
1884...	3.13	18.80	1.60	5.15	7.10	8.00	8.60	2.20	10.80	3.40	3.10	8.55	80.43
1885...	8.10	4.30	0.75	8.30	4.60	4.85	1.95	2.20	10.20	4.02	4.82	4.40	58.49
1886...	5.71	2.20	2.41	2.70	3.53	7.28	1.98	5.10	1.53	0.80	7.10	3.95	44.29
1887...	4.55	15.90	2.60	10.78	6.03	1.70	2.40	3.20	3.77	0.76	6.90	7.23	65 82
1888...	5.25	6.30	10.20	4.13	4.92	3.36	4.20	18.00	4.31	5.60	11.20	2.40	79.87
1889...	4.96	3.62	1.10	0.60	9.85	6.52	10.50	0.85	10.52	2.50	9.25	4.90	65.17
1890...	9.70	7.70	16.70	8.80	8.20	10.50	10.90	8.20	3.47	4.60	6.01	2.60	97.38
1891...	4.20	5.21	10.15	3.70	1.50	4.00	3.80	8.33	1.20	0.31	6.61	4.91	53.92
1892...	1.84	6.82	2.46	10.75	7.11	3.49	4.01	3.32	4.70	1.30	5.10	3.00	53.90
1893...	3.70	8.31	3.00	16.60	9.60	6.50	1.79	1.00	3.60	8.75	3.30	3.80	69.95
1894...	4.40	7.60	7.50	7.70	4.55	3.45	1 50	3.60	4.00	3.30	0.90	7.15	55.65
1895...	9.60	0.44	4.30	4.65	3.70	6.40	7.60	4.30	2.15	1.10	12.92	5.61	62.77
1896...	2.30	4.45	4.92	0.30	5.89	5.31	4.64	**2.72**	3.68	2.06	3.76	1.36	41.39
1897...	4.07	5.20	9.19	5.08	2.59	2.97	3.57	0.97	0.45	3.68	7.45	3.02	48.24
1898..	8.91	2.37	9.22	3.18	5.62	5.59	1.24	3.60	5.95	4.21	2.83	3.00	55.72
1899...	5.17	3.33	8.43	3.25	6.11	6.83	3.74	4.40	0.88	3.70	4.36	4.68	54.88
1900...	4.06	5.70	2.43	2.03	5.34	6.25	4.71	3.22	1.02	3.05	5.33	1.71	44.85
1901...	1.94	2.13	3.48	2.95	2.37	4.76	1.01	2.67	2.40	2.66	1.49	4.51	32.37
1902...	1.76	1.33	3.41	2.46	6.04	6.41	2.29	4.56	5.82	3.71	6.24	6.75	50.78
1903...	3.54	7.87	4.69	5.94	1.94	2.38	0.82	3.85	0 69	1.92	1.69	2.55	37.88
1904...	2.88	3.24	8.17	2.80	3.35	3.38	1.51	1.87	3.80	1.26	0.40	4.07	36.73
1905...	3.80	4.18	3.76	3.69	7.54	4.17	7.80	8.68	4.61	5.96	3.93	4.15	62.27
1906...	3.35	3 04	7.07	2.20	1.84	3.69	1.21	2.53	5.54	0.88	4.16	7.02	42.53
1907..	11.01	1.99	5.68	3.59	4.10	4.73	3.11	5.92	5.07	3.34	3.88	5.55	57.97
1908...	1.96	6.70	7.80	4.80	3.97	1.40	2.49	1.24	0.71	0.12	1.35	1.70	34.24
Means	4.71	5.65	5.57	5.05	4.97	5.02	3.93	4.16	4.01	2.99	4.87	4.28	55.21

EVANSVILLE, VANDERBURG COUNTY, IND.—Elevation, 386 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1877...	2.95	1.04	4.52	4.17	1.50	......	......	......	......	1.03	4.24	2.22	.....
1878...	2.25	3.18	2.24	3.71	4.10	3.40	4.15	2.39	3.80	3.40	4.71	5.35	42.68
1879...	2.60	2.72	3.60	3.54	4.54	2.85	**1.86**	6.00	4.75	1.10	5.60	5.57	44.72
1880...	5.56	2.53	5.55	4.57	8.18	4.45	3.17	1.95	4.22	6.37	10.05	1.50	58.10
1881...	4.25	5.25	4.25	5.35	4.95	7.80	0.30	**0.76**	7.30	3.25	6.25	5.30	55.00
1882...	5.95	14.62	4.72	4.17	8.45	5.25	6.05	6.70	3.30	2.25	3.65	5.50	70.61
1883...	4.70	8.15	4.80	6.85	**8.40**	3.35	2.45	2.65	1.45	6.06	5.65	**4.40**	53.91
1884...	1.50	6.51	3.35	2.99	2.27	6.51	5.32	3.54	4.13	1.02	2.24	5.05	44.43
1885...	3.12	2.45	0.50	1.95	3.30	3.25	2.85	3.49	4.90	1.70	3.73	3.29	34.53
1886...	7.92	2.00	6.41	10.12	3.32	9.85	0.84	8.20	0.62	**0.86**	**4.00**	0.50	55.23
1887...	0.50	6.75	0.65	3.10	4.13	1.90	2.10	1.35	2 47	**0.60**	2.30	2.80	28.65
1888...	2.13	2.05	7.65	1.95	4.56	5.26	0.88	9.76	0.71	3.13	5.78	2.30	46.16
1889...	3.60	1.00	1.30	1.50	5.00	5.05	5.25	1.43	6.58	2.16	7.95	3.57	44.39
1890...	6.01	7.33	10.31	5.34	4.30	4.75	2.54	2.53	6.60	1.79	3.08	1.57	56.15
1891...	1.80	1.64	**6.00**	3.10	0.83	6.71	4.52	8.26	1.23	0.25	8.44	3.20	45.98
1892...	2.09	3.79	2.47	6.57	4.34	2.26	3.11	3.40	1.85	1.91	4.68	1.82	38.29
1893. .	2.52	5.02	2.21	7.14	7.29	4.38	3.07	0.80	3.21	4.38	3.35	2.54	45.91
1894...	4.66	4.80	3.39	4.10	3.38	1.92	1.80	2.73	1.89	2.68	0.63	5.13	37.11
1895...	3.95	0.48	3.31	2.25	2.85	3.03	6.24	1.79	2.41	0.76	9.54	3.91	40.52
1896...	0.57	1.71	3.51	1.65	5.39	6.62	5.53	2.98	5.22	2.71	3.10	0.90	39.89
1897...	3.14	4.66	10.96	5.89	2.89	4.95	9.09	0.43	0.52	2.05	5.21	2.91	52.70
1898...	6.97	1.52	8.73	4.15	4.61	1.71	2.90	3.85	3.26	4.50	1.05	1.53	44.78
1899...	5.10	2.10	6.57	2.64	5.40	3.76	3.27	3.22	1.02	2.20	3.64	3.63	42.55
1900...	1.89	4.20	1.55	1.17	5.59	11.44	2.44	0.95	4.24	3.46	5.30	1.99	44.22
1901...	1.05	1.34	3.46	2.99	1.00	4.25	0.18	2.07	1.82	4.48	1.71	4.65	29.00
1902...	2.36	0.51	3.12	1.91	1.36	3.17	0.41	1.82	2.80	2.65	4.63	5.04	29.78
1903...	2.43	5.88	4.66	3.17	2.82	2.52	2.28	4.54	0.49	1.87	1.77	3.02	35.45
1904...	3.87	2.53	7.36	3.67	2.01	4.45	7.98	1.07	5.67	0.25	0.20	3.88	42.94
1905...	3.25	1.92	2.61	3.46	4.17	2.28	8.51	2.19	2.84	7.08	3.74	3.44	45.49
1906...	4.76	1.70	5.94	1.66	1.07	3.02	5.21	4.39	4.16	1.88	4.73	5.72	44.24
1907...	8.70	0.82	3.54	2.43	5.59	2.59	4.66	5.95	2.76	2.05	3.88	3.70	46.67
1908...	1.80	6.26	3.76	4.83	6.51	0.66	1.97	4.58	1.23	0.28	2.31	1.50	35.69
Means	3.56	3.64	4.47	3.82	4.03	4.30	3.58	3.41	3.14	2.50	4.30	3.36	44.11

ROME, PERRY COUNTY, IND.—Elevation 370 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1903...	......	......	......	......	1.74	5.71	3.62	5.17	2.30	1.45	2.04	2.50	....
1904...	2.26	4.37	7.30	1.93	2.78	3.62	2.35	1.21	4.92	0.06	**0.50**	4.56	35.86
1905...	3.89	3.70	3.80	3.98	7.60	3.74	5.59	3.64	3.48	6.92	5.53	5.25	57.12
1906...	2.95	1.86	6.16	2.28	2.04	3.58	3.80	4.15	6.66	1.17	6.92	5.65	47.22
1907...	10.75	0.98	4.86	2.39	5.04	2.75	1.51	5.83	2.76	2.99	3.66	4.88	48.40
1908...	1.89	5.07	3.93	8.40	5.62	2.68	3.78	2.43	0.65	0.05	1.47	2.02	37.99
Means	4.35	3.20	5.21	3.80	4.14	3.68	3.44	3.74	3.46	2.11	3.35	4.14	44.62

MOUNT VERNON, POSEY COUNTY, IND.—Elevation, 410 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1887...	1.77	5.97	3.14	4.26	3.24	1.29	4.00	1.83	1.79	0.28	3.82	3.73	35.12
1888...	2.74	1.39	6.80	1.46	4.38	8.64	2.45	11.16	1.08	3.08	4.70	2.09	49.97
1889...	3.98	1.59	1.29	......	4.53	4.80	5.94	2.26	5.80	2.17	6.55	3.41	.....
1890.	6.54	6.81	10.19	6.70	3.12	2.26	1.98	**5.18**	3.48	3.71	5.78	1.76	57.46
1891...	4.47	3.28	5.51	1.70	1.04	6.44	2.10	5.09	1.51	.....	6.66	3.96	.....
1892...	1.64	2.83	2.18	7.07	6.16	1.99	2.51	3.52	1.48	2.14	3.43	2.88	37.83
1893...	0.79	4.70	2.66	8.95	5.30	3.70	4.77	1.52	3.51	3.27	2.97	2.32	44.46
1894...	3.81	4.59	2.94	3.80	4.85	2.51	0.89	2.67	1.52	2.29	1.54	4.80	36.21
1895...	3.91	0.15	2.98	2.10	1.51	2.79	9.17	1.58	1.95	0.80	6.75	3.19	36.88
1896...	1.06	1.52	3.46	2.59	6.24	3.73	2.88	1.49	2.97	2.53	2.85	0.77	32.09
1897...	2.80	3.80	8.43	6.74	2.47	3.82	5.18	0.57	0.65	1.56	5.12	3.23	44.37
1898...	5.84	1.76	8.91	4.16	4.64	2.20	3.16	2.90	......	5.25	0.88	1.21	.....
1899...	4.84	2.20	6.87	2.51	4.77	2.39	**8.28**	2.94	1.37	3.21	3.81	3.53	41.67
1900...	1.86	3.47	1.33	1.47	4.08	7.49	**2.65**	0.54	**4.08**	4.20	9.15	3.10	43.42
1901...	1.39	0.80	3.74	2.79	0.88	3.71	1.56	2.39	0.91	......	1.78	4.07	.....
1902...	2.63	0.82	2.91	2.13	2.24	4.27	1.37	1.48	2.46	2.87	4.90	6.02	34.10
1903...	2.90	5.19	4.47	4.67	3.72	4.02	2.06	7.17	0.74	1.05	0.51	1.61	38.11
1904...	3.37	1.25	8.72	4.61	4.63	4.10	4.36	1.36	4.64	0.10	0.60	4.25	41.99
1905...	3.75	0.70	3.18	4 14	4.20	3.25	10.64	2.14	3.22	8.14	4.50	3.72	51.58
1906...	6.75	1.75	8.22	2.42	0.57	3.05	6.05	3.49	9.08	2.95	6.30	6.70	57.33
1907...	9.26	1.63	4.20	3.20	5.02	3.72	5.83	10.18	3.32	3.38	4.83	4.57	59.14
1908...	1.52	7.60	3.63	6.46	5.52	1.54	2.18	1.38	0.82	T.	2.76	2.12	35.53
Means	3.53	2.90	4.81	4.00	3.78	3.71	3.86	3.31	2.68	2.65	4.10	3.32	42.65

Mean temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Wabash Drainage Area.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Rockville	22	28.0	28.6	40.4	52.4	62.4	71.2	74.8	73.0	67.3	54.6	41.8	32.1	52.2
Terre Haute	18	29.5	30.2	43.6	53.9	65.1	73.7	77.6	75.9	69.5	57.3	44.1	34.3	54.6
Farmersburg	10	30.2	27.3	43.1	51.8	64.8	70.6	76.3	75.7	69.3	57.0	43.5	32.3	53.5
Vincennes	15	31.0	29.1	43.8	54.7	66.5	74.4	78.3	77.1	70.8	57.4	43.9	33.5	55.0
Princeton	26	30.9	32.1	43.8	54.4	64.7	74.2	77.2	75.3	68.7	55.8	43.6	35.3	54.7
West Fork of White Drainage Area.														
Indianapolis	38	28.4	30.4	40.1	52.4	63.3	72.3	76.1	73.9	66.9	55.1	41.4	32.5	52.7
Bloomington	13	30.7	29.3	43.3	51.0	64.5	71.9	76.6	75.1	68.6	57.4	44.2	33.2	53.8
Worthington	27	28.7	30.9	42.9	53.7	63.4	72.3	75.3	73.5	67.2	55.5	42.8	33.3	53.3
Washington	13	31.4	30.2	45.5	52.9	65.3	72.6	77.3	76.0	69.8	57.4	45.1	26.0	54.1
East Fork of White Drainage Area.														
Greenfield	5	29.3	27.1	42.6	50.3	61.7	70.4	74.2	73.5	69.0	54.9	41.7	31.7	52.2
Mauzy	28	26.1	27.5	38.0	50.0	61.1	70.2	73.6	70.9	64.9	52.0	39.5	30.2	50.3
Greensburg	12	30.2	27.2	43.0	52.4	63.2	71.4	75.9	74.3	68.8	56.6	43.9	31.6	53.2
Columbus	25	29.1	29.9	41.2	52.3	62.7	71.9	75.6	73.7	67.2	54.4	42.3	33.1	52.8
Seymour	21	31.4	31.1	42.8	53.9	63.9	72.8	76.2	74.4	68.1	55.6	43.2	34.8	54.0
Butlerville	23	30.4	31.1	42.8	53.6	63.9	72.4	76.0	74.5	68.3	54.8	42.9	34.0	53.7
Scottsburg	15	33.2	31.3	45.4	54.6	65.9	74.1	77.7	76.1	69.7	56.8	44.6	35.2	55.4
Paoli	11	32.5	29.2	45.4	53.0	65.4	72.1	77.1	75.7	69.3	57.3	44.2	33.5	54.6
Whitewater Drainage Area.														
Richmond	22	26.9	28.1	38.9	50.0	61.0	69.5	74.1	71.2	65.8	53.1	40.6	30.9	50.8
Ohio Drainage Area.														
Moores Hill	7	30.4	28.1	45.2	51.3	63.6	69.8	75.2	74.5	68.9	55.6	43.5	32.4	53.2
Vevay	27	32.2	33.4	43.5	55.4	65.3	73.7	77.3	75.5	69.6	57.0	45.0	36.3	55.4
Jeffersonville	22	34.1	34.6	45.4	55.8	66.2	74.7	78.0	76.1	69.6	56.8	45.3	37.4	56.2
Marengo	26	32.9	34.2	44.8	55.4	64.7	73.2	76.4	74.9	68.9	56.7	44.9	36.0	55.2
Rome	6	36.0	33.3	49.1	54.9	66.7	73.6	77.7	77.5	72.0	58.2	45.8	37.1	56.8
Evansville	12	35.1	33.0	46.9	55.1	67.0	75.0	78.6	78.1	71.6	59.4	47.0	36.0	56.9
Mount Vernon	22	33.5	33.5	44.8	55.9	66.4	75.4	78.7	77.9	70.9	57.1	45.4	36.4	56.3

T. indicates trace, less than 0.01 inch.

Figures in bold-face type represent amounts estimated from surrounding stations.

Maximum temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Wabash Drainage Area.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Rockville	22	69	69	85	88	96	100	104	101	103	92	75	76	104
Terre Haute	17	71	70	83	92	97	102	104	100	103	89	77	66	104
Farmersburg	10	77	65	85	88	93	98	110	103	105	93	79	66	110
Vincennes	15	73	71	86	94	99	105	109	104	106	93	81	68	109
Princeton	26	74	76	85	91	98	105	111	106	105	90	76	70	111
West Fork of White Drainage Area.														
Indianapolis	37	70	72	82	87	96	100	106	101	98	89	76	68	106
Bloomington	13	70	68	84	87	93	97	103	98	100	88	78	72	103
Worthington	26	71	80	86	89	93	97	109	100	106	93	89	67	109
Washington	13	71	72	84	93	98	101	109	102	102	95	79	70	109
East Fork of White Drainage Area.														
Greenfield	5	70	66	82	83	88	93	95	95	94	86	74	64	95
Mauzy	26	74	71	80	87	94	99	108	99	101	96	76	65	108
Greensburg	12	70	67	83	88	92	96	98	98	100	89	77	65	100
Columbus	25	73	70	87	90	96	100	111	103	102	95	77	67	111
Seymour	21	72	70	87	87	96	100	105	100	101	90	82	74	105
Butlerville	23	73	71	85	90	96	100	109	104	103	90	78	67	109
Scottsburg	15	72	69	88	88	94	99	109	99	99	89	77	68	109
Paoli	11	74	69	86	89	92	99	111	101	98	96	79	65	111
Whitewater Drainage Area.														
Richmond	22	72	67	84	89	92	98	102	96	98	89	86	68	102
Ohio Drainage Area.														
Moores Hill	7	72	66	84	90	93	99	97	98	97	88	76	62	99
Vevay	27	73	75	85	91	95	99	105	101	99	91	79	72	105
Jeffersonville	20	75	71	90	90	93	97	103	98	98	90	77	69	103
Marengo	26	72	73	86	91	94	98	106	103	100	96	80	71	106
Rome	6	73	71	88	87	95	100	103	101	101	95	78	69	103
Evansville	12	68	70	82	90	92	99	107	100	98	91	78	68	107
Mount Vernon	22	74	72	86	91	98	102	109	105	102	94	81	74	109

Average snowfall.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Wabash Drainage Area.	Yrs	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Rockville	20	4.5	4.8	3.6	0.2	T.	0	0	0	0	T.	0.7	2.4	16.2
Terre Haute	16	5.4	4.8	3.8	T.	0	0	0	0	0	T.	0.3	2.5	16.8
Farmersburg	9	5.0	2.9	4.6	T.	0	0	0	0	0	0	0.3	2.7	15.5
Vincennes	13	3.8	5.1	2.2	T.	0	0	0	0	0	0	0.1	4.2	15.4
Princeton	22	8.1	6.8	6.0	0.4	0	0	0	0	0	0	1.1	5.0	27.4
West Fork of White Drainage Area.														
Indianapolis	24	6.5	5.0	4.3	1.0	0.1	0	0	0	0	T.	1.4	5.0	23.3
Bloomington	13	8.0	7.4	5.1	T.	0	0	0	0	0	T.	0.5	5.6	26.6
Worthington	21	5.5	4.6	2.9	0.3	T.	0	0	0	T.	T.	1.3	4.8	19.4
Washington	12	4.8	3.2	1.1	T.	0	0	0	0	0	0	T.	2.8	11.9
East Fork of White Drainage Area.														
Greenfield	5	1.7	6.8	8.7	0.5	0	0	0	0	0	0	0.6	1.4	19.7
Mauzy	22	7.7	5.8	4.9	0.8	0.1	0	0	0	0	T.	1.7	6.1	27.1
Greensburg	12	6.3	6.8	2.8	0.1	T.	0	0	0	0	T.	0.9	4.9	21.8
Columbus	22	5.6	3.9	3.1	0.1	0	0	0	0	0	T.	0.6	3.9	17.2
Seymour	20	7.5	6.0	2.8	0.1	T.	0	0	0	0	T.	1.3	4.1	21.8
Butlerville	20	7.8	5.9	4.2	0.3	0.1	0	0	0	0	T.	1.2	4.3	23.8
Scottsburg	14	4.4	5.2	3.2	0.6	0	0	0	0	0	0.1	0.3	4.1	17.9
Paoli	11	5.1	7.1	1.7	0.3	0.4	0	0	0	0	T.	0.6	4.2	19.4
Whitewater Drainage Area.														
Richmond	18	4.0	2.7	2.7	0.5	0	0	0	0	0	T.	0.6	2.9	13.4
Ohio Drainage Area.														
Moores Hill	7	6.2	5.1	3.7	1.7	0	0	0	0	0	T.	0.8	3.8	21.3
Vevay	20	6.9	6.5	4.3	0.3	0.1	0	0	0	0	T.	1.0	4.1	23.2
Jeffersonville	20	3.9	4.2	2.2	0.2	T.	0	0	0	0	T.	0.4	2.2	13.1
Marengo	22	4.4	6.9	3.8	0.1	T.	0	0	0	0	T.	0.5	3.4	19.1
Rome	5	5.3	5.3	0.5	0.2	0	0	0	0	0	T.	1.0	2.0	14.3
Evansville	12	2.7	5.0	0.8	0.3	T.	0	0	0	0	T.	0.5	1.9	11.2
Mount Vernon	20	3.3	4.8	2.6	T.	0	0	0	0	0	T.	0.5	2.1	13.3

T. indicates amount too small to measure.

Minimum temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Wabash Drainage Area.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Rockville	22	-15	-22	-3	19	28	34	43	40	26	18	2	-12	-22
Terre Haute	17	-10	-17	0	24	31	38	50	47	30	20	5	- 7	- 7
Farmersburg	10	-22	-23	-2	22	20	38	48	49	21	22	10	- 9	-23
Vincennes	15	-14	-19	4	20	31	37	44	45	30	14	10	- 6	-19
Princeton	26	-16	20	2	20	28	39	48	47	27	21	- 4	-13	-20
West Fork of White Drainage Area.														
Indianapolis	37	25	-18	0	19	31	39	48	46	30	22	- 5	-15	-25
Bloomington	13	-11	20	0	22	29	42	51	50	28	22	5	-10	-20
Worthington	26	-23	-24	1	21	30	39	47	47	22	18	- 6	13	-24
Washington	13	- 7	-19	3	21	29	38	50	51	33	24	8	- 9	-19
East Fork of White Drainage Area.														
Greenfield	5	-12	-16	4	22	33	42	46	49	38	24	10	- 4	-16
Mauzy	26	-26	-25	-4	15	26	36	41	40	25	14	-10	-17	-26
Greensburg	12	-13	-24	0	20	26	36	43	44	26	21	6	-12	-24
Columbus	25	26	-27	0	20	28	38	44	43	27	13	5	-16	-27
Seymour	21	-12	-20	4	20	31	40	48	48	30	21	6	-11	-20
Butlerville	23	-25	-26	2	20	29	38	44	43	25	18	1	-13	-26
Scottsburg	15	-10	25	3	25	31	40	50	45	30	18	10	- 9	-25
Paoli	11	-14	-20	0	20	28	38	46	45	26	20	5	-18	-20
Whitewater Drainage Area.														
Richmond	22	-26	-27	-7	18	26	37	44	42	28	17	0	24	-27
Ohio Drainage Area.														
Moores Hill	7	-11	-17	5	22	30	40	46	50	36	24	6	- 2	-12
Vevay	27	-23	-22	2	24	32	43	50	44	32	18	5	- 5	-23
Jeffersonville	20	-11	-13	2	26	34	44	52	49	33	24	13	- 7	-13
Marengo	26	-18	-28	0	19	29	37	47	47	26	17	5	-19	-28
Rome	6	- 6	- 5	9	24	31	37	49	48	33	20	8	3	- 6
Evansville	12	- 4	-15	4	26	35	44	56	55	33	31	14	- 6	-15
Mount Vernon	22	-10	20	0	22	29	39	53	49	29	24	6	- 8	-20

Average number of days with 0.01 inch or more precipitation.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Wabash Drainage Area.	Yrs													
Rockville	21	8	8	10	10	12	11	9	7	6	7	8	8	104
Terre Haute	16	9	8	11	11	12	10	8	7	7	7	8	8	106
Farmersburg	9	7	6	9	9	11	10	8	7	6	4	5	7	89
Vincennes	14	8	7	10	10	11	11	8	8	7	6	7	7	100
Princeton	21	6	6	8	6	7	7	6	5	4	4	5	6	70
West Fork of White Drainage Area.														
Indionapolis	38	13	11	13	12	13	12	10	9	8	9	11	12	133
Bloomington	13	8	7	10	8	10	10	7	7	6	5	7	8	93
Worthington	20	9	8	11	9	11	10	8	7	7	6	8	9	103
Washington	12	9	8	12	10	12	12	9	8	7	6	7	10	110
East Fork of White Drainage Area.														
Greenfield	5	8	5	12	9	11	8	9	6	6	6	4	7	91
Mauzy	21	11	10	12	10	12	11	9	8	7	7	10	10	117
Greensburg	12	9	8	11	8	10	8	8	8	6	6	7	9	98
Columbus	21	8	8	10	10	11	10	9	8	6	6	8	8	102
Seymour	19	10	10	11	10	11	9	8	8	6	7	9	9	108
Butlerville	21	10	10	12	10	12	10	8	8	6	6	9	10	111
Scottsburg	14	7	7	11	7	9	8	7	6	5	5	7	7	86
Paoli	11	9	9	13	10	11	11	9	9	7	6	7	10	111
Whitewater Drainage Area.														
Richmond	17	9	8	10	9	11	9	8	8	7	6	7	8	100
Ohio Drainage Area.														
Moores Hill	7	11	9	12	10	12	11	11	9	7	6	7	11	116
Vevay	20	9	8	11	8	10	9	7	7	6	5	7	7	94
Jeffersonville	20	11	10	13	11	12	11	10	8	7	6	9	10	118
Marengo	21	9	9	10	9	9	9	8	7	6	6	8	8	98
Rome	5	9	9	12	11	10	10	8	10	6	5	8	9	107
Evansville	12	10	10	13	11	12	11	10	8	8	6	8	10	117
Mount Vernon	19	9	7	10	9	10	9	8	7	7	6	8	8	98

Frosts.

Stations.	Length of record.	Average date of killing frost.		Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
		First in autumn.	Last in spring.		
Wabash Drainage Area.	Yrs				
Rockville	16	Oct. 7	Apr. 27	Sept. 13	May 28
Terre Haute	16	Oct. 22	Apr. 19	Sept. 27	May 14
Farmersburg	6	Oct. 18	Apr. 22	Oct. 10	May 2
Vincennes	15	Oct. 20	Apr. 14	Sept. 23	May 14
Princeton	16	Oct. 17	Apr. 17	Sept. 30	May 14
West Fork of White Drainage Area.					
Indianapolis	30	Oct. 19	Apr. 16	Sept. 21	May 21
Bloomington	12	Oct. 20	Apr. 19	Sept. 30	May 10
Worthington	15	Oct. 24	Apr. 22	Sept. 14	May 21
Washington	12	Oct. 19	Apr. 16	Sept 27	May 2
East Fork of White Drainage Area.					
Greenfield	6	Oct. 16	Apr. 21	Oct. 11	Apr. 23
Mauzy	18	Oct. 4	May 2	Sept. 13	May 28
Greensburg	12	Oct. 16	Apr. 22	Sept. 28	May 9
Columbus	16	Oct. 6	Apr. 26	Sept. 14	May 21
Seymour	15	Oct. 13	Apr. 19	Sept. 27	May 13
Butlerville	16	Oct. 11	Apr. 25	Sept. 23	May 21
Scottsburg	15	Oct. 16	Apr. 16	Sept. 24	May 1
Paoli	11	Oct. 15	Apr. 18	Sept. 19	May 2
Whitewater Drainage Area.					
Richmond	12	Oct 3	May 7	Sept. 14	May 28
Ohio Drainage Area.					
Moores Hill	7	Oct. 8	May 2	Sept. 14	May 28
Vevay	17	Oct. 24	Apr. 19	Sept. 30	May 14
Jeffersonville	18	Oct. 18	Apr. 16	Sept. 30	May 14
Marengo	16	Oct. 11	Apr. 19	Sept. 18	May 14
Rome	6	Oct. 13	Apr. 21	Oct. 3	May 4
Evansville	12	Oct. 27	Apr. 7	Sept. 30	Apr. 21
Mount Vernon	16	Oct. 20	Apr. 18	Sept. 27	May 19

Relative humidity (percentage).

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Indianapolis, Ind	21	79	77	73	66	67	68	65	67	68	68	73	77	71
Cincinnati, Ohio	20	76	73	70	62	64	66	65	67	68	68	72	76	79
Louisville, Ky	20	73	72	70	63	65	67	66	68	68	67	70	72	68
Evansville, Ind	12	84	82	80	75	76	79	78	81	81	81	81	83	80

Prevailing wind direction.

	Yrs													
Indianapolis, Ind.	36	w.	nw.	nw.	nw.	s.	sw.	sw.	sw.	s.	s.	nw.	sw.	sw.
Cincinnati, Ohio	37	sw.	nw.	nw.	nw.	se.	se.	sw.	ne.	se.	se.	se.	sw.	se.
Louisville, Ky	37	sw.	s.	sw.	s.	s.	sw.	sw.	n.	n.	n.	s.	sw.	sw.
Evansville, Ind	5	s.	ne.	s.	s.	s.	s.	s.	s.	ne.	ne.	n.	s.	s.

Average hourly wind velocity (in miles).

	Yrs													
Indianapolis, Ind	12	11.7	11.5	12.1	11.3	9.9	8.9	8.2	7.4	8.3	9.4	10.4	11.5	10.0
Cincinnati, Ohio	37	7.6	8.4	8.3	7.6	6.5	5.7	5.4	5.1	5.3	6.2	7.0	7.3	6.7
Louisville, Ky	37	8.7	9.3	9.5	8.5	7.4	6.8	6.1	5.7	6.1	6.6	7.9	8.4	7.6
Evansville, Ind	12	8.4	8.6	8.8	8.3	7.3	6.6	5.9	5.3	5.8	6.5	7.3	8.2	7.2

Sunshine (percentage).

	Yrs													
Indianapolis, Ind	12	41	47	40	51	53	62	68	63	66	61	52	40	54
Cincinnati, Ohio	18	40	45	44	55	62	70	71	72	71	62	48	39	57
Louisville, Ky	15	42	50	48	56	62	66	69	69	67	69	52	40	50

HYDROGRAPHIC DATA FOR SECTION 68.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY,

By R. H. Bolster, *Assistant Engineer.*

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.

This section comprises the south half of the State of Indiana, and is drained by the eastern and western branches of the White River, the minor tributaries of the Wabash on the west, and by the Whitewater River and minor tributaries of the Ohio River on the east and south.

The chief tributary of the Wabash is West Branch of the White River, which enters it from the east at a point about 90 miles from the mouth. The source of the West Branch of the White River is in Randolph County, Indiana, near the east line of the State. The course of the stream is westward to Hamilton County, a distance of nearly 75 miles, where it turns abruptly southward and runs in a course somewhat west to south to the Wabash River. The length of the valley of this stream is about 275 miles, but this does not represent the length of the stream, for in its lower part it winds greatly within its valley, adding perhaps another 100 miles to its length. The stream occasionally overflows its banks at high water stages. At its source it has an elevation of approximately 1,175 feet, while at its mouth the elevation is 370 feet above sea level. The average fall, therefore, is nearly 3 feet per mile, or more than double the average fall of the Wabash, and about five times the rate of fall of the portion of the Ohio along the southern boundary of the State. At many points the fall of the water is rapid and the volume of water large, rendering West Branch of White River an important water power stream. The headwater portion of this stream leads through the midst of the natural gas belt of Indiana, where fuel is cheap, and power developed by its use is often cheaper than the development of water power. This stream, like the Wabash, can not be navigated except at flood stages unless extensive improvements are made. It has in part a rocky bottom, a feature which would make improvements of the channel expensive, as would also the rapid flow.

East Branch of White River enters the west or main White River about 40 miles above its mouth. It drains the district immediately east of that drained by the main river and has an area nearly as great. East Branch of White River and many of its tributaries furnish a large amount of available water power which is only partially developed.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table, and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly discharge of White (West Branch) River at Indianapolis, Ind., for the periods April 1 to November 30, 1904; January 1, 1905, to June 30, 1906.

[Drainage area, 1,520 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per sq. mile.	
January	6,650	215	1,540	1.01	1.16
February	5,180	138	775	.510	.53
March	18,900	870	3.060	2.01	2.32
April	19,600	725	4,500	2.96	3.30
May	7,230	430	1,860	1.22	1.41
June	4,000	325	934	.615	.69
July	2,750	255	842	.554	.64
August	2,460	255	668	.440	.51
September	5,760	350	1,050	.691	.77
October	3,540	402	796	.524	.60
November	2,220	350	558	.367	.41
December	3,260	390[a]	1,080	.711	.82
The period	19,600	138	1,470	.968	13.16

[a] December 1 to 13, 1904.

Monthly discharge of White (East Branch) River at Shoals, Ind., for the period July 1, 1908 to June 30, 1906.

[Drainage area, 4,900 square miles.]

Month.	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per. sq. mile.	
January	27,400	670	7,000	1.43	1.65
February	32,600	790	5,950	1.21	1.26
March	79,400	3,140	14,700	3.00	3.46
April	69,300	1,860	7,770	1.59	1.77
May	29,200	1,270	5,130	1.05	1.21
June	7,240	880	2,380	.486	.54
July	3,010	640	1,340	.273	.31
August	7,010	440	2,010	.410	.47
September	4,490	360	897	.183	.20
October	17,100	360	2,180	.445	.51
November	7,700	360	1,750	.357	.40
December	16,900	215	3,180	.649	.75
The period	79,400	215	4,520	.924	12.53

Monthly discharge of Wabash River at Terre Haute, Ind., for the period March 1, 1905, to June 30, 1906.

[Drainage area, 12,200 square miles.]

Months.	Discharge in second-feet.				Run-off (depth in inches on drainage area).
	Maximum.	Minimum.	Mean.	Per sq. mile.	
January	49,800	6,630	19,600	1.61	1.86
February	17,800	4,240	8,050	.660	.69
March	57,200	7,620	17,700	1.45	1.67
April	61,200	3,650	20,100	1.65	1.84
May	48,100	3,360	12,200	1.00	1.15
June	15,400	2,250	7,120	5.84	65
July	9,270	2,150	5,250	.430	.50
August	5,100	2,250	3,420	.280	.32
September	10,100	2,610	4,980	.408	.46
October	9,650	1,920	3,950	.324	.37
November	17,200	2,640	4,840	.397	.44
December	22,100	4,470	9,880	.810	.93
The period	57,200	1,920	9,760	.800	10.88

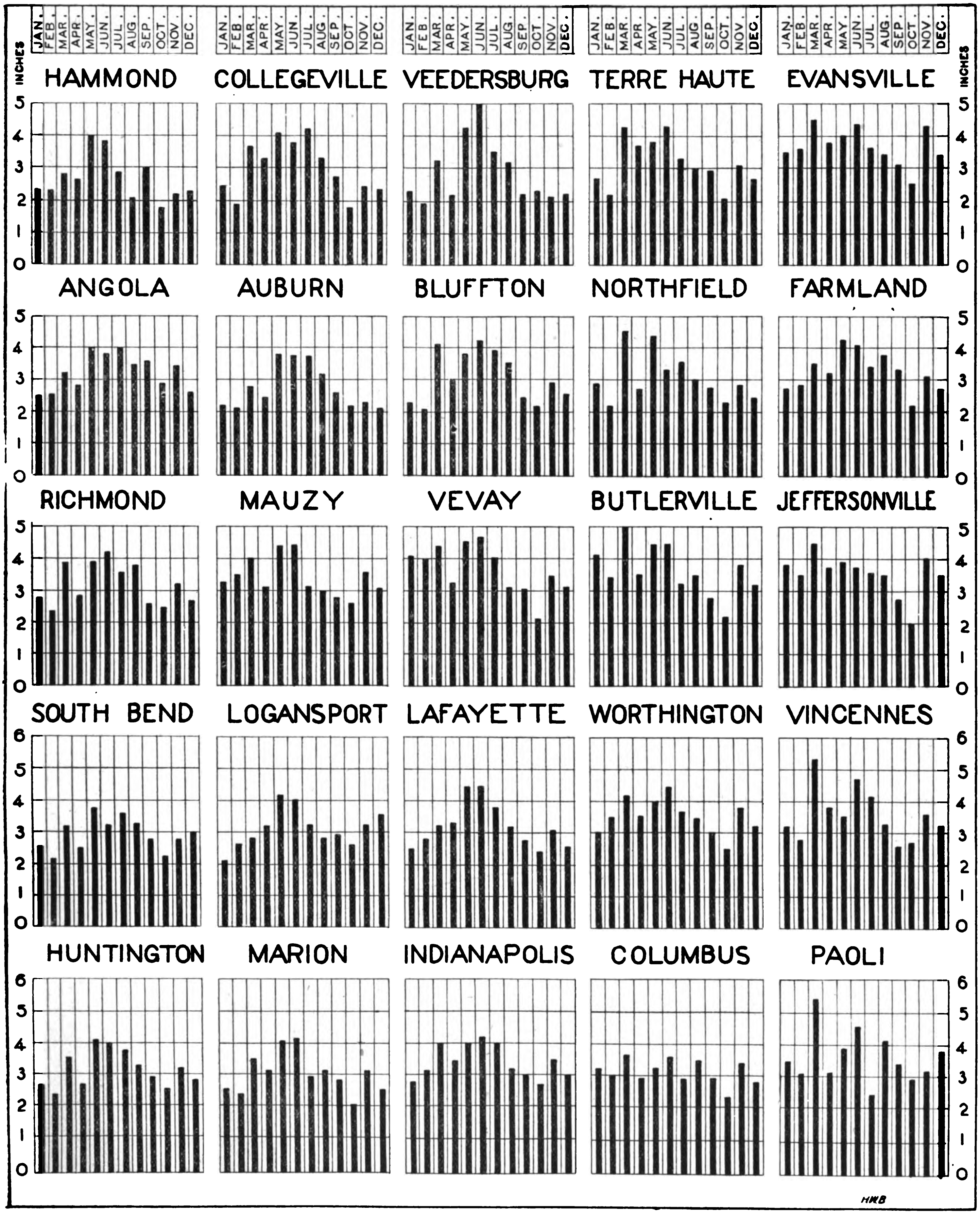


Fig. 1.--Diagram showing the comparative monthly distribution of precipitation.

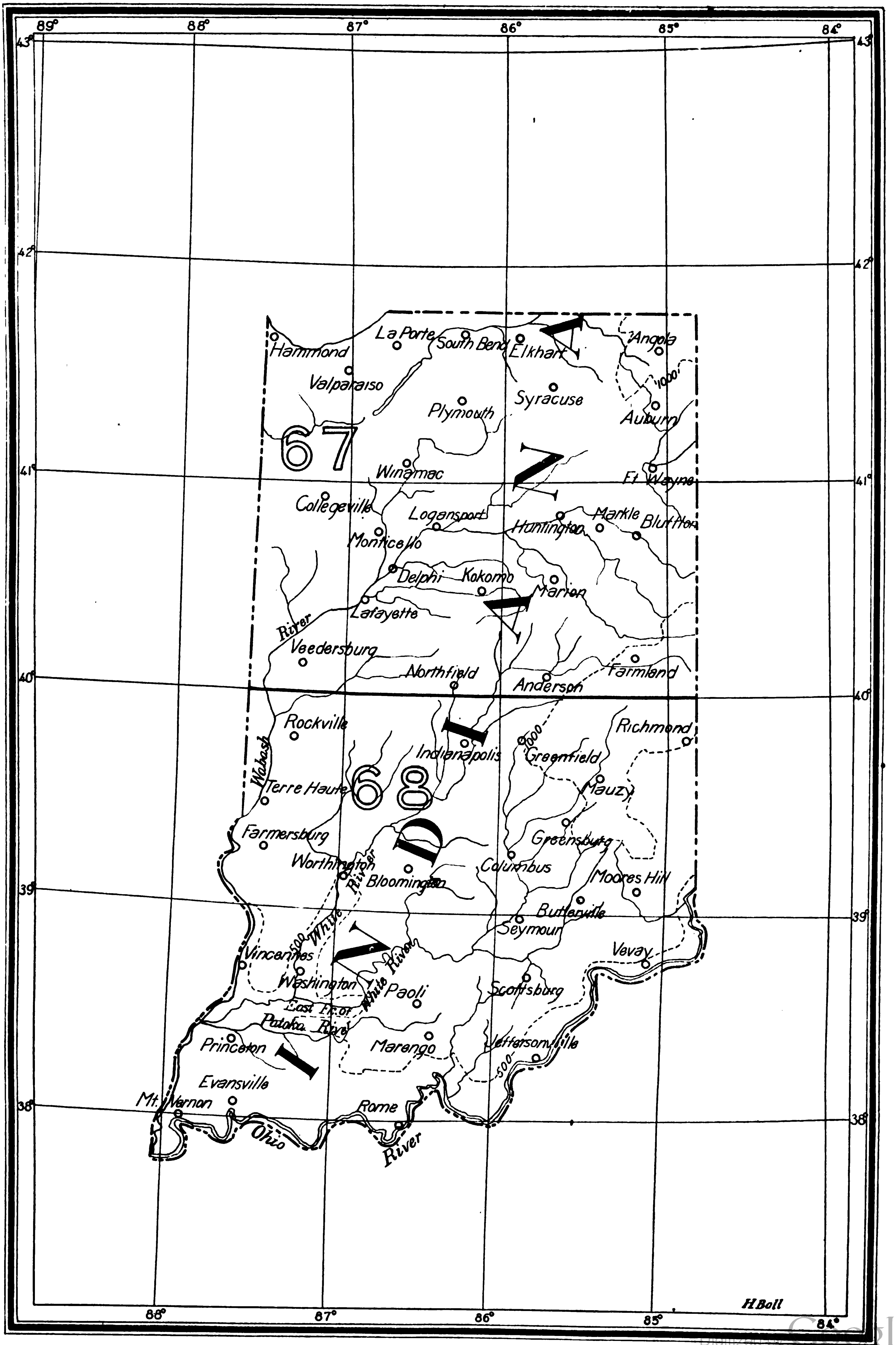


Fig. 2. -Chart showing boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Chief of Division.

SECTION 69—NORTHERN OHIO.

This section includes the territory drained by the streams in northern Ohio that flow into Lake Erie, the headwaters of the Mahoning River, and the extreme northern portion of the Muskingum drainage area.

The portion of Ohio in the Lake Erie drainage embraces an area of about 12,000 square miles. In the eastern part of this area the streams are generally not over 50 miles in length but the rate of fall is great because the elevation of the divide in this neighborhood is from 400 to 600 feet above that of Lake Erie. The following table from Part IV of the U. S. Geological Report for 1896–97 indicates the average rate of descent of the more important streams:

TABLE SHOWING RATE OF DESCENT OF TRIBUTARIES OF LAKE ERIE.

Stream.	Altitude of source, feet.	Estimated length, miles.	Fall per mile, feet.
Conneaut Creek	1,080	40	12.67
Grand River	900	50	6.54
Chagrin River	1,200	35	17.9
Cuyahoga Biver (above falls)	1,200	48	4.5
Cuyahoga River (at falls)	985	2	110.0
Cuyahoga River (below falls)	765	35	5.5
Rocky River	1,100	30	17.6
Black River	1,100	50	10.5
Vermilion River	1,200	45	14.0
Huron River	1,100	40	13.2
Sandusky River	1,150	90	6.4
Maumee River	737	150	1.1

All of the smaller streams have a very small waterflow during dry weather, but nearly all furnish power for important mills during the spring and fall.

The Sandusky River drains an area of 1,581 square miles. This area is entirely in the glaciated district and has the level plains and rolling elevations characteristic of such. The basin consists of ordinary agricultural land interspersed with small patches of timber. Near its head this river has a fall of about 28 feet per mile but it is soon reduced to about 7 feet per mile, and below Fremont it becomes sluggish and winds in and out through low, flat, and in many places, marshy land.

The area of the Maumee basin is 6,344 square miles, of which 4,702 are in Ohio, 1,303 in Indiana, and 339 in Michigan. This basin is in the glaciated area with level plains and rolling elevations. The large central area is taken up by a fertile, nearly level plain, while the outer edges, especially to the north and west, are more hilly. The basin is west of the Cincinnati axis or anticline. The Tiffin and Auglaize rivers flow into the Maumee River at Defiance. The Auglaize River has two tributaries, the Blanchard and Ottawa rivers.

TEMPERATURE.

The average annual temperature for Section No. 69 is 49.3°. The highest annual mean at any of the stations included in this report is 51°, at Upper Sandusky, and the lowest 47°, at Garrettsville. July is the warmest month. There are quite a number of stations in northern Ohio where the recorded temperature never has passed 100°. These are located near Lake Erie or at moderately high elevations. At a number of points the temperature has been as high or even slightly higher in June and August than in July. At Cleveland the highest temperature for July is 97°; for September, 98°; and for August, 99°. At Upper Sandusky the temperature has reached 101° in September, or as high as in July and higher than in August. The temperature has been above 90° at all the stations in this Section during every month from May to September, inclusive, and at part of the stations every month from April to October, inclusive. Higher temperatures have been recorded in January than in December or February.

The average monthly temperature is lowest for the month of February, except at those stations that are near the Lake and at those having a record of 26 years or over. At these places January averages coldest. The lowest temperatures have been recorded in January or February. The temperature has been below zero at all stations during the months of December, January, February, and March, and at a few places it has been below zero in November. A temperature below freezing has been recorded in some part of the district every month except July and August. At Toledo and Sandusky, both on Lake Erie, the lowest temperature ever recorded is —16°, while at Wauseon it is —32°.

PRECIPITATION.

The average annual precipitation for this district is 36.5 inches. The greatest average precipitation is in Lake and northern Geauga counties. This is on the northern side of the divide where the gradient from the Lake is steepest, and corresponds with the district of heaviest snowfall. The least precipitation is in the Maumee valley in the western part of the district.

The distribution of rainfall through the year is very uniform. Rainfalls of over 10 inches in one calendar month are not frequent, and monthly falls of less than one-half inch are rare. The heaviest monthly precipitation at Toledo in a record covering 48 years is 10.19 inches in September, 1865. The least at this station is 0.08 inch in February,

1877. At Cleveland in a record covering 54 years the greatest monthly rainfall is 10.88 inches in June, 1855, and the least 0.17 inch in August, 1881.

The snowfall averages greatest in the northeastern part of this district, where it exceeds 60 inches. At Hillhouse, in southern Lake County, the average annual snowfall is 61.6 inches. In the southwestern part of the Section the annual fall is not quite 30 inches. Appreciable amounts of snow have occurred in every month from October to May, inclusive, and a trace has fallen at a number of points in September and at two places near the Lake in June.

FROST.

The average date of the first killing frost in the fall varies from September 27 at Wauseon to October 31 at Cleveland. The earliest date on which a killing frost has been observed is September 2 at Wauseon and September 14 at most other places. At Cleveland, however, the earliest date of killing frost is October 2, and at Sandusky October 8.

The average date of the last killing frost in the spring varies from April 14 at Sandusky to May 18 at Garrettsville. The latest dates on which killing frosts have occurred in the spring are May 21 at Akron and Canton, and June 21 at Hillhouse.

Thus at Sandusky the length of the crop growing season, from the average date of the last killing frost in spring to the average date of the first killing frost in autumn, is 195 days, while at Garrettsville it is 144 days.

MISCELLANEOUS.

The average number of rainy days for this Section is 122. The prevailing wind direction is southwest, although at Cleveland the prevailing wind is southeast. The average relative humidity is 74%.

J. WARREN SMITH, SECTION DIRECTOR.

Precipitation in Northern Ohio. Monthly, annual and average amounts (in inches and hundredths).

[Figures in bold-face type estimated from surrounding stations.]

Akron, Summit County

Elevation, 1,081 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1887	....	....	....	....	1.62	4.12	3.14	4.01	1.47	0.94	2.34	2.00	....
1888	2.74	1.61	2.55	1.26	2.90	3.09	4.31	6.05	3.43	3.03	4.20	1.46	36.63
1889	2.61	1.06	2.36	1.70	3.34	6.34	2.42	1.83	4.42	1.42	3.09	3.37	33.96
1890	3.99	4.99	4.03	3.21	7.33	4.02	2.16	4.83	6.56	6.23	3.26	2.48	53.09
1891	2.04	3.26	3.47	2.18	2.15	7.02	3.22	2.67	0.95	1.45	5.06	2.53	36.00
1892	2.35	3.45	3.70	1.47	7.71	8.38	7.08	4.82	2.03	0.82	1.62	1.50	44.93
1893	3.02	5.79	2.88	5.49	6.23	1.71	3.33	2.23	1.27	4.92	1.58	2.75	41.20
1894	2.30	3.25	2.23	2.82	4.52	1.97	1.14	0.28	5.28	2.15	2.53	2.68	31.15
1895	3.69	1.18	2.26	1.98	1.74	1.97	2.08	5.22	2.44	1.17	4.46	4.95	33.14
1896	1.78	3.21	3.20	5.06	2.52	7.79	8.49	1.55	4.75	0.81	1.77	3.04	43.97
1897	1.92	2.65	4.30	1.66	5.13	1.55	5.06	2.98	1.07	1.65	**6.15**	1.74	35.86
1898	4.51	2.76	5.38	2.77	3.96	1.76	3.33	5.65	3.56	4.70	3.89	2.71	44.98
1899	2.98	1.20	2.84	1.69	6.32	1.79	3.57	2.58	3.55	2.73	1.68	2.33	33.26
1900	1.95	3.35	1.66	2.01	1.50	2.83	6.03	3.79	3.22	1.38	3.86	1.12	32.70
1901	1.67	1.35	3.33	4.17	3.45	2.31	3.77	4.20	4.98	0.72	1.83	3.63	35.41
1902	1.10	1.15	2.54	2.12	3.33	7.29	5.57	1.54	3.67	1.33	2.24	3.53	35.41
1903	2.59	3.81	2.69	3.86	1.38	2.46	4.87	7.05	0.89	2.49	2.39	3.17	37.65
1904	4.40	3.62	4.55	4.15	4.96	2.68	5.87	**3.93**	**1.94**	1.24	1.11	2.62	41.07
1905	2.04	1.45	2.79	3.03	5.99	3.93	3.97	3.47	3.11	1.75	1.85	1.27	34.65
1906	0.96	0.73	2.22	1.19	1.48	2.29	4.62	5.37	2.98	3.27	1.84	3.23	30.18
1907	4.41	1.33	4.06	2.40	3.36	3.62	2.64	1.75	3.58	3.60	0.84	2.28	33.87
1908	1.63	3.07	4.85	2.91	5.48	1.87	3.53	2.33	1.47	1.14	1.08	2.54	31.90
Mns	2.60	2.58	3.23	2.72	3.93	3.67	4.10	3.55	3.03	2.22	2.67	2.59	36.89

Ashland, Ashland County

Elevation, 1,079 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1888	.....	.....	.....	.....	.....	.....	.....	2.87	2.63	2.87	3.58	1.34	.....
1889	2.90	1.41	2.01	1.95	2.83	6.04	4.23	2.33	3.10	0.89	3.75	3.59	35.03
1890	4.42	5.50	3.89	2.99	7.42	3.93	1.45	5.44	4.53	5.49	2.19	1.82	49.07
1891	2.67	3.91	3.87	2.33	1.69	4.10	2.39	3.15	1.07	1.73	6.14	3.23	36.28
1892	5.07	2.54	3.16	2.66	7.86	5.53	3.46	3.30	1.11	0.97	2.28	1.55	39.49
1893	4.11	6.10	1.91	6.30	7.33	2.23	2.92	1.54	**1.62**	**4.46**	2.22	2.52	43.26
1894	2.43	2.75	1.84	2.55	4.90	2.12	1.00	0.29	2.24	1.74	2.76	2.35	26.97
1895	4.83	1.45	1.52	2.15	2.06	3.36	2.00	3.07	2.33	1.26	4.41	4.20	32.64
1896	1.58	2.43	5.12	3.84	3.09	3.70	7.20	3.41	6.21	0.68	2.18	2.81	42.25
1897	2.33	2.51	3.63	2.75	4.58	3.51	3.62	4.37	0.18	0.67	5.25	1.56	34.96
1898	4.99	3.03	5.83	2.57	3.64	2.16	2.51	4.74	**3.13**	4.19	3.76	2.49	42.54
1899	2.16	1.24	2.71	0.69	4.50	3.67	3.92	1.13	3.13	2.63	1.71	3.10	30.59
1900	1.63	2.77	3.39	2.29	1.75	4.02	7.41	5.85	1.69	1.62	3.23	2.11	37.76
1901	1.83	1.05	2.69	1.92	5.45	.....	.....	.....	.....	.....	.....	.....	.....
Mns	3.15	2.82	3.16	2.69	4.39	3.70	3.51	3.19	2.54	2.25	3.34	2.51	37.25

Ashtabula, Ashtabula County

Elevation, 625 feet

1891	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.10	1.71	.....
1892	2.89	3.10	2.55	1.26	9.51	6.64	1.88	3.26	4.56	2.31	4.64	2.71	45.31
1893	2.21	4.60	2.12	4.89	7.93	2.24	1.29	3.54	1.02	6.09	3.23	5.03	44.19
1894	2.15	1.23	1.77	2.34	4.18	4.34	1.90	0.18	5.42	4.91	2.98	2.28	33.68
1895	3.44	1.21	1.75	1.67	2.40	2.73	1.86	3.15	5.85	2.97	4.63	3.82	35.48
1896	2.34	4.09	3.80	2.96	2.03	6.14	4.37	2.17	4.82	1.93	3.18	1.90	39.73
1897	5.05	2.85	3.25	2.27	2.71	2.65	10.69	5.86	0.54	2.21	5.11	3.12	45.81
1898	4.41	2.17	2.37	2.50	2.79	3.84	2.40	3.20	2.44	5.59	4.15	4.64	40.50
1899	3.12	3.80	4.90	1.25	6.70	1.75	2.75	0.50	4.30	2.30	1.90	7.60	40.37
1900	3.30	4.55	1.93	1.80	1.00	0.81	5.65	1.85	2.00	1.50	5.50	1.61	31.50
1901	1.85	1.90	2.15	2.72	4.20	3.80	1.50	2.45	.....	.....	.....	.....	.....
Mns	3.08	2.85	2.66	2.37	4.34	3.49	3.43	2.61	3.44	3.31	3.74	3.44	38.76

Note—Values prior to January, 1897, are for Harbor, about one and one-half miles north of Ashtabula.

Atwater, Portage County

Elevation, 1,120 feet

1894	.....	.....	.....	.....	4.33	1.39	3.21	0.15	4.16	1.86	3.05	2.67	.....
1895	3.85	0.84	1.94	1.37	2.25	2.78	2.70	3.43	2.23	1.23	3.56	4.85	31.03
1896	1.90	3.03	2.66	5.88	1.99	4.36	7.23	2.12	5.00	1.24	1.65	3.00	40.06
1897	2.50	3.87	3.60	3.22	3.02	2.41	4.60	3.72	2.04	0.60	4.96	1.84	36.38
1898	4.37	2.14	5.37	2.55	4.25	2.60	6.90	5.20	2.26	3.45	2.87	2.49	44.45
1899	2.43	1.61	4.06	1.67	5.54	2.15	3.33	1.84	3.82	1.97	1.58	3.02	33.02
1900	2.50	3.46	3.98	1.57	1.95	3.48	8.17	2.41	2.82	1.99	4.13	1.47	37.93
1901	2.20	1.10	4.63	5.18	3.95	4.54	2.18	2.68	4.53	0.53	2.47	3.71	37.70
1902	1.40	0.94	2.30	3.84	3.72	7.93	4.72	1.62	3.35	2.09	1.58	4.62	38.11
1903	2.25	4.01	4.20	4.37	1.67	**4.00**	6.76	6.50	0.87	2.88	2.44	1.99	41.94
1904	4.85	3.21	5.25	6.25	6.02	2.33	3.65	4.10	1.21	1.70	0.92	1.85	41.34
1905	1.60	1.71	2.54	2.53	4.55	6.82	6.39	6.78	2.48	2.90	2.46	2.14	42.90
1906	1.42	0.75	3.25	1.95	2.19	4.27	5.34	3.54	4.03	4.01	2.36	3.93	37.04
Mns	2.67	2.22	3.65	3.36	3.49	3.77	5.01	3.39	2.98	2.03	2.62	2.89	38.08

Auburn, Geauga County

1857	.....	....	2.15	4.10	5.52	10.79	5.34	4.02	2.46	5.89	6.55	4.01	.....
1858	1.67	2.45	2.37	5.39	7.82	4.71	6.29	3.67	1.44	3.02	4.06	6.16	49.05
1859	3.50	4.28	6.77	4.53	3.60	4.64	2.27	4.60	3.79	4.55	6.99	6.63	56.15
1860	.....	4.44	4.08	6.93	3.71	2.48	5.90	4.62	2.56	5.30	8.42	4.61	.....
1861	3.12	3.09	3.56	5.50	4.62	2.38	4.15	4.54	4.38	3.31	5.83	2.15	46.63
1862	4.88	3.51	3.52	3.89	3.69	5.58	4.79	0.83	1.76	3.15	4.40	5.45	45.45
1863	6.00	4.85	3.52	1.20	3.25	2.82	2.47	6.09	1.63	4.57	4.61	3.67	44.68
1864	3.76	3.05	3.49	4.68	4.42	1.17	5.13	8.25	7.36	2.79	4.19	5.22	53.51
1865	3.56	2.30	5.36	3.97	4.90	6.31	7.42	2.90	9.84	3.90	2.02	3.81	56.29
1866	3.35	3.48	5.52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1892	....	.....	.....	.....	.....	.....	.....	4.01	2.25	1.90	2.05	1.82	.....
1893	2.46	3.98	3.18	4.82	7.06	3.67	2.36	3.91	1.01	3.40	1.82	3.76	41.43
1894	2.43	3.13	2.19	3.28	4.28	2.76	2.12	0.12	4.60	1.49	2.73	3.25	32.38
1895	3.30	1.21	1.54	2.05	2.43	1.33	2.22	4.45	3.13	1.36	5.33	5.00	33.35
1896	1.53	3.01	2.75	4.50	2.09	5.93	4.69	4.08	4.46	0.93	2.05	1.71	37.73
1897	1.58	2.05	4.23	2.23	4.32	1.55	7.65	.....	.....	.....	.....	.....	.....
Mns	3.16	3.20	3.62	4.08	4.41	4.01	4.49	4.01	3.62	3.25	4.36	4.09	46.30

Note—Values for 1857 to 1866 are for Welshfield, about five miles east of Auburn.

Bissells, Geauga County

1892	....	....	.....	....	.....	.....	.....	2.88	2.39	2.43	2.61	0.86	.....
1893	2.27	3.87	2.64	4.30	9.01	1.92	2.16	3.38	0.95	4.95	1.96	3.78	41.19
1894	2.67	3.20	2.81	2.82	4.02	3.41	2.05	0.42	5.27	2.46	2.50	2.53	34.16
1895	3.70	1.37	1.76	1.67	1.61	1.67	1.85	6.14	3.15	1.54	4.59	4.46	33.51
1896	1.45	3.23	2.90	3.25	2.05	7.34	5.19	4.10	4.20	1.01	2.04	1.60	38.36
1897	2.18	2.33	3.60	2.52	5.11	1.52	6.01	5.23	1.30	1.30	6.90	2.14	40.14
1898	4.10	2.84	4.55	2.21	2.47	.....	.....	.....	.....	.....	.....	.....	.....
Mns	2.73	2.81	3.04	2.80	4.04	3.17	3.45	3.69	2.88	2.28	3.43	2.56	36.88

Benton Ridge, Hancock County
Elevation, 800 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	....	....	....	....	....	....	....	2.09	2.27	....	2.08	1.65	....
1893	3.17	2.72	1.56	6.53	3.44	3.22	2.23	1.95	1.18	3.35	2.10	2.46	33.91
1894	2.07	3.22	2.02	1.44	4.78	3.43	0.99	0.90	3.61	3.27	3.03	1.94	30.70
1895	2.65	1.08	0.43	1.26	2.59	1.22	1.70	2.83	1.56	0.93	4.97	3.46	24.68
1896	2.07	2.00	3.15	2.04	1.79	5.18	8.41	2.91	4.55	0.56	1.94	2.70	37.30
1897	2.66	0.86	2.82	4.06	5.38	2.90	3.99	3.62	0.85	1.15	6.60	1.51	36.40
1898	5.46	2.73	4.48	2.29	4.36	1.39	2.34	4.73	2.75	2.89	2.83	3.51	39.76
1899	3.70	1.31	5.18	1.48	2.44	1.97	4.21	0.66	0.96	1.74	1.91	3.39	28.95
1900	1.67	5.50	2.81	2.72	2.42	2.54	4.45	4.69	1.66	3.05	3.66	1.18	36.35
1901	1.42	2.10	3.15	2.03	3.70	3.59	2.66	2.02	1.82	0.24	1.23	3.59	27.55
1902	0.81	0.77	2.74	1.38	3.04	6.55	3.42	1.95	6.88	2.13	2.09	3.13	34.89
1903	1.89	5.18	1.94	5.95	3.04	2.45	4.37	4.10	2.52	2.92	1.74	2.12	38.22
1904	7.23	3.18	5.26	3.52	3.14	1.81	4.63	1.54	1.79	1.70	0.32	2.70	36.82
1905	1.58	1.52	1.26	3.99	5.96	9.27	4.31	2.44	3.98	2.52	2.96	2.25	42.04
1906	0.97	0.97	3.22	1.91	0.90	2.05	5.18	5.30	1.61	4.06	2.52	3.95	32.64
1907	5.70	0.85	4.69	1.36	3.13	5.97	4.21	1.67	4.26	1.73	1.90	3.77	39.24
1908	1.94	3.22	4.10	3.48	4.56	4.79	4.21	2.32	0.34	0.91	1.29	1.77	32.93
Mns	2.81	2.33	3.05	2.84	3.42	3.65	3.83	2.69	2.51	2.07	2.54	2.65	34.39

Big Prairie, Wayne County
Elevation, 946 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	....	....	....	....	....	....	....	....	....	0.50	....	....	....
1893	1.60	4.40	2.44	6.02	7.03	1.51	2.10	2.69	2.55	4.45	1.78	2.53	39.10
1894	2.37	3.32	2.10	1.90	5.10	1.38	1.36	0.73	3.78	2.00	1.82	2.09	27.95
1895	4.24	0.85	3.03	1.52	1.63	2.29	2.61	2.52	2.08	1.05	5.02	4.49	31.33
1896	1.58	1.87	4.02	3.18	2.88	4.45	8.00	5.79	5.69	1.02	1.67	2.65	42.80
1897	3.45	2.19	3.00	3.05	4.03	2.58	4.85	3.88	1.10	0.51	5.97	2.32	36.93
1898	5.04	3.12	5.72	2.30	4.23	2.83	5.64	3.50	2.31	4.57	4.25	3.40	46.91
1899	3.35	1.99	....	2.17	3.84	3.20	3.79	0.80	3.48	2.26	1.24	3.57	....
1900	3.28	3.85	2.18	1.92	1.94	3.21	5.08	8.30	2.00	1.28	2.49	1.81	37.34
1901	2.04	1.31	2.48	....	4.34	8.90	....	6.55	6.91	....	....	....	....
Mns	2.99	2.54	3.12	2.76	3.89	3.37	4.18	3.86	3.32	1.96	3.03	2.86	37.88

Bowling Green, Wood County
Elevation, 670 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1858	....	....	....	....	4.68	4.75	4.66	2.34	0.99	2.97	3.59	3.89	....
1859	2.32	1.99	4.13	4.01	2.30	4.64	0.14	3.52	3.11	1.98	2.45	4.46	35.05
1861	1.28	1.51	3.91	4.23	2.60	1.43	3.39	3.81	2.82	2.90	2.74	0.87	31.49
1862	4.22	3.03	6.86	3.70	7.27	5.74	....	3.82	2.21	4.17	3.27	5.92	....
1863	3.29	3.06	2.69	....	1.93	1.55	2.75	2.44	0.97	3.09	3.46	2.62	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1866	....	3.45	6.25	0.90	6.10	6.25	7.20	3.90	8.85	3.50	6.05	5.06	....
1867	2.90	5.46	2.35	3.96	9.50	5.25	4.72	5.70	2.50	2.30	....	2.55	....
1868	3.25	1.99	14.00	5.55	6.22	5.76	4.98	3.80	6.30	1.82	3.00	2.55	59.22
1869	1.75	5.69	2.54	4.72	9.55	10.07	6.41	0.93	3.68	3.95	6.45	4.05	59.79
1870	6.65	1.40	4.00	3.30	1.90	3.20	6.55	3.85	2.85	4.85	1.65	3.75	43.95
1871	2.30	3.38	2.45	3.00	1.80	4.28	5.30	2.89	1.00	2.80	3.75	2.62	35.57
1872	1.83	1.20	1.48	1.95	4.24	....	....	....	....	....	....	....	....
1873	5.70	1.35	3.05	7.25	3.20	1.60	8.05	2.05	2.20	2.00	2.20	7.20	45.85
1874	4.00	5.05	1.75	1.70	3.90	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1893	....	....	....	....	....	1.45	3.72	1.10	1.79	3.18	2.65	3.26	....
1894	1.66	2.67	1.78	1.36	3.42	2.58	0.09	0.11	3.02	2.44	1.72	2.08	22.88
1895	2.11	0.31	0.87	2.58	2.25	2.20	0.83	2.49	0.71	1.60	5.87	3.74	25.56
1896	1.45	1.75	2.76	2.93	2.55	3.19	8.23	2.44	3.99	0.56	2.00	2.44	34.29
1897	1.83	1.07	4.42	2.64	2.92	2.67	2.31	1.91	0.28	0.86	6.68	1.83	29.42
1898	3.75	2.04	4.94	1.91	5.04	2.78	3.17	2.63	2.84	3.32	2.70	1.57	36.69
1899	2.17	2.39	4.59	1.21	3.24	2.33	4.33	0.75	2.01	2.47	1.84	2.70	30.03
1900	0.97	3.36	1.33	2.45	2.95	3.80	3.76	4.24	0.85	2.95	3.32	1.00	30.98
1901	2.57	1.80	2.86	2.23	4.91	3.98	4.42	4.38	1.32	1.15	2.33	4.21	35.66
1902	0.55	0.57	3.77	1.51	3.81	10.18	3.24	0.18	9.25	2.94	2.35	3.33	41.68
1903	1.75	4.19	1.97	5.26	2.44	2.77	4.27	4.42	2.30	2.54	1.42	2.30	35.63
1904	5.23	2.91	5.21	2.46	3.35	1.33	4.13	1.45	3.08	1.52	0.05	2.16	32.88
1905	1.78	1.62	1.39	3.36	5.78	5.31	4.70	2.91	2.45	1.58	3.28	3.39	37.55
1906	0.72	0.90	1.92	2.22	1.59	2.62	6.13	5.61	4.04	3.79	2.53	3.37	35.44
1907	3.43	0.10	4.60	1.74	2.46	4.40	4.28	1.92	5.70	3.55	1.89	4.13	38.20
1908	1.57	3.57	3.09	2.70	5.85	1.30	7.57	3.20	0.26	0.81	0.71	1.74	32.37
Mns	2.63	2.40	3.60	2.99	4.06	3.84	4.42	2.81	2.91	2.56	2.96	3.17	38.35

Cleveland (St. Ignatius College), Cuyahoga County
Elevation, 754 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1897	1.58	1.46	2.40	1.28	4.00	0.91	2.63	2.17	0.92	1.38	4.76	1.34	24.83
1898	2.76	2.29	4.07	1.80	2.27	3.90	3.24	2.42	2.93	4.32	2.41	2.17	34.58
1899	2.40	1.40	3.53	1.31	3.12	1.52	4.70	1.11	2.38	2.25	0.65	3.08	27.45
1900	2.19	2.96	1.27	1.40	1.49	1.87	5.23	1.72	2.11	2.02	2.87	0.75	25.88
1901	1.01	1.17	2.86	2.16	3.08	3.36	4.41	6.27	5.78	0.87	1.85	3.50	36.32
1902	0.98	0.59	2.07	1.52	3.21	9.43	4.94	1.72	4.84	2.44	1.63	3.12	36.44
1903	1.45	3.04	1.69	3.86	1.22	2.53	5.08	3.41	2.41	3.61	1.45	1.36	31.11
1904	3.26	2.33	3.77	1.54	3.23	1.47	4.90	2.28	2.84	1.13	0.13	2.94	29.82
1905	1.88	1.81	1.34	2.15	4.77	2.79	4.39	3.17	2.60	3.24	2.43	1.25	31.82
1906	1.71	1.70	2.82	1.77	1.76	0.96	3.53	4.38	2.63	5.08	1.98	3.53	31.85
1907	5.31	0.88	3.29	1.75	2.71	5.57	2.99	1.15	3.74	4.13	1.08	2.99	35.59
1908	1.90	4.30	3.95	2.97	2.82	2.15	2.34	2.13	0.68	0.93	0.76	2.97	27.90
Mns	2.20	1.99	2.76	1.96	2.81	3.04	4.03	2.66	2.82	2.62	1.83	2.42	31.14

Bucyrus, Crawford County
Elevation, 1,000 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1890	....	....	....	3.25	8.11	5.27	4.07	5.97	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1893	....	....	....	....	3.96	0.85	3.20	0.96	0.90	4.15	....	2.90	....
1894	1.60	1.16	0.60	2.70	9.25	2.80	1.20	0.65	3.90	2.70	0.55	2.50	29.61
1895	4.10	0.24	3.60	2.97	1.60	4.70	2.80	3.50	3.70	1.71	4.30	4.20	37.42
1896	2.10	2.20	2.12	4.03	2.58	3.30	4.93	....	....	....	....	....	....
1897	....	....	....	1.30	4.42	1.10	5.90	1.50	1.25	....	....	....	....
1898	3.80	2.00	5.50	2.66	4.66	2.46	3.15	4.50	1.55	....	....	1.25	....
1899	....	....	....	1.33	5.71	2.95	5.01	0.40	3.88	....	....	....	....
1900	0.60	2.85	2.00	2.62	3.27	4.64	3.40	4.63	2.10	1.75	1.03	0.73	29.62
1901	2.45	1.90	1.65	2.10	7.77	2.87	3.20	1.87	1.82	0.55	1.25	3.70	31.13
1902	0.70	2.35	3.23	3.21	2.04	7.97	7.29	0.87	5.42	1.87	2.25	2.10	39.30
1903	2.00	2.45	2.50	4.98	3.21	4.24	4.72	2.30	1.60	2.97	2.75	1.45	35.17
1904	3.95	3.69	1.85	4.75	3.88	3.10	2.83	2.74	2.31	1.61	0.50	4.50	35.71
1905	1.42	0.67	0.22	2.10	3.52	4.87	5.81	1.76	2.08	2.68	1.98	2.25	29.36
1906	1.85	1.00	4.45	2.11	2.28	2.63	5.80	3.74	3.49	3.77	4.86	3.95	39.93
1907	6.70	1.62	6.01	2.55	5.71	5.73	4.47	1.35	5.97	2.30	1.87	2.81	46.59
1908	1.90	4.10	5.20	3.66	4.91	2.33	3.76	1.90	0.70	0.93	0.85	2.23	32.47
Mns	2.55	2.02	2.99	2.90	4.52	3.64	4.21	2.41	2.71	2.25	2.02	2.62	34.84

Canton, Stark County
Elevation, 1,065 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1882	....	....	....	....	....	....	....	....	....	....	2.43	2.23	....
1883	2.74	6.17	2.03	2.06	5.74	4.10	6.09	1.69	1.71	3.13	2.73	4.81	43.00
1884	3.76	5.01	3.82	2.60	2.59	1.50	5.44	2.11	4.87	2.59	1.12	3.93	39.34
1885	3.99	1.90	0.99	2.70	5.00	4.31	3.18	5.80	3.09	4.48	1.87	1.77	39.08
1886	4.87	1.66	2.56	2.48	2.61	2.47	3.30	2.68	2.81	0.79	3.01	2.79	32.03
1887	1.50	6.95	1.76	3.21	8.24	3.32	4.86	2.33	2.42	0.71	2.01	1.77	34.08
1888	4.18	1.68	2.76	1.85	3.18	2.26	4.78	4.45	2.68	2.86	4.58	1.42	36.68
1889	3.50	1.05	1.38	3.09	2.81	4.89	7.34	3.02	3.66	2.04	3.82	3.48	40.08
1890	3.94	6.17	3.78	3.87	7.99	2.21	2.15	6.16	6.88	6.58	2.43	1.91	54.02
1891	2.19	4.26	2.96	1.65	2.53	10.83	5.31	2.19	1.07	1.13	3.93	2.37	40.42
1892	2.45	2.67	2.84	2.30	8.39	7.38	6.62	3.28	2.30	1.04	1.63	1.54	42.44
1893	2.50	6.20	2.20	5.23	5.26	3.14	4.82	2.13	1.68	5.25	1.75	2.73	42.89
1894	1.61	2.30	2.23	2.40	6.09	1.74	2.50	0.33	4.35	1.88	3.18	2.68	31.29
1895	4.15	1.05	1.95	1.84	1.78	3.13	2.25	4.81	1.11	1.51	3.59	4.91	32.08
1896	1.98	2.39	3.83	3.69	3.11	8.48	8.43	2.78	6.24	1.01	1.94	3.01	46.89
1897	2.09	3.60	3.05	3.59	4.39	2.61	5.70	2.40	1.07	0.35	5.70	2.03	36.58
1898	4.64	2.43	5.80	2.63	4.84	5.03	3.39	6.07	2.07	3.75	3.90	2.80	47.35
1899	2.12	1.72	4.86	4.45	5.52	2.85	4.69	1.14	3.26	1.83	2.14	3.56	38.14
1900	2.43	3.10	3.09	1.84	1.44	3.87	4.91	3.61	3.31	1.35	4.10	2.03	35.08
1901	2.81	1.64	3.62	6.17	4.22	2.74	2.38	3.35	4.12	0.51	1.91	3.66	37.13
1902	1.08	1.46	2.11	3.08	3.15	5.55	4.49	3.42	3.67	1.56	1.85	3.85	35.27
1903	2.46	3.89	4.30	3.99	2.33	3.47	3.64	6.55	0.77	3.13	2.55	1.77	38.85
1904	4.11	8.06	6.07	5.67	3.45	2.59	5.51	3.08	1.08	1.17	1.22	2.23	39.24
1905	1.80	1.51	3.22	3.25	4.17	9.09	5.85	6.61	3.30	3.17	2.11	2.03	46.11
1906	1.23	0.85	3.77	1.47	2.06	4.25	6.65	4.28	3.45	3.20	2.39	3.66	37.26
1907	5.96	1.34	5.63	3.09	2.52	5.57	6.01	2.42	2.56	1.96	1.86	2.27	41.18
1908	1.75	3.35	5.55	3.23	5.25	2.98	3.73	2.69	0.62	1.05	1.14	2.70	34.04
Mns	2.92	2.98	3.31	3.13	3.99	4.25	4.77	3.34	2.85	2.23	2.63	2.76	39.15

Cleveland (Weather Bureau), Cuyahoga County
Elevation, 762 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1871	0.31	2.22	3.97	1.86	1.99	3.70	3.08	8.30	0.74	0.60	2.42	0.84	30.03
1872	2.00	0.80	1.30	2.22	3.99	2.68	6.19	4.53	3.47	4.24	1.24	1.73	34.39
1873	2.41	1.94	3.33	5.38	3.11	5.50	4.82	1.67	2.44	3.38	1.65	5.50	41.33
1874	5.16	3.18	1.47	1.87	1.83	3.98	4.06	1.82	4.66	1.63	2.09	1.64	33.39
1875	1.60	0.99	2.87	2.11	4.17	4.29	1.67	3.81	5.42	3.79	3.30	2.89	36.91
1876	3.72	4.10	2.88	1.77	4.43	3.21	3.04	4.03	5.83	3.47	2.56	2.16	41.20
1877	2.08	0.18	6.34	2.28	0.67	5.43	3.51	3.65	1.90	3.60	2.33	1.52	33.49
1878	4.43	2.51	5.08	2.89	3.03	2.68	7.97	2.15	9.30	5.60	2.81	5.06	53.51
1879	2.16	2.88	3.50	2.03	2.43	4.26	5.72	4.20	3.60	1.32	5.22	4.19	41.51
1880	2.67	3.12	2.33	3.95	3.12	4.47	4.75	3.97	2.98	2.24	2.27	1.51	37.38
1881	1.96	2.57	2.82	1.75	0.74	8.07	0.90	0.17	1.66	5.79	3.64	4.89	34.96
1882	2.47	2.83	3.82	2.20	5.27	4.22	5.27	3.16	4.78	1.55	2.00	2.41	39.98
1883	1.55	6.77	1.34	2.10	6.50	3.77	3.75	2.72	4.03	3.56	2.36	2.68	41.13
1884	1.55	5.27	1.87	1.75	3.60	3.29	5.13	1.65	3.76	1.97	1.59	1.83	33.26
1885	2.63	1.05	0.87	2.52	3.88	7.22	4.48	5.14	2.01	3.78	4.67	1.68	39.93
1886	3.35	1.55	2.00	1.78	1.68	1.01	2.64	1.36	4.04	0.47	3.89	3.57	27.34
1887	1.92	7.73	3.05	1.82	3.45	2.43	0.99	3.52	3.62	1.80	2.97	2.06	35.36
1888	3.15	1.55	3.23	2.18	2.84	4.13	2.45	2.38	2.65	2.90	3.59	1.52	32.57
1889	3.13	1.24	2.07	1.99	4.13	1.65	4.32	1.23	4.29	1.56	3.72	3.24	32.57
1890	4.03	4.58	3.93	2.49	6.16	4.50	2.77	3.14	5.58	5.85	3.04	1.75	47.82
1891	2.19	5.15	2.93	1.52	2.59	4.07	1.48	2.89	2.01	1.72	5.41	2.22	34.18
1892	2.52	3.10	3.17	2.02	6.81	5.51	3.44	2.96	2.53	1.06	2.29	1.08	36.51
1893	1.81	3.76	1.95	3.08	7.41	0.89	1.42	3.15	0.53	5.07	1.85	2.96	33.88
1894	2.21	1.87	1.86	1.55	4.83	2.31	2.19	1.05	3.30	3.19	1.28	2.09	27.73
1895	2.32	0.43	1.23	1.38	1.84	1.82	1.18	4.59	1.68	1.71	4.52	4.14	26.84
1896	1.58	3.72	2.64	4.72	1.53	6.10	4.84	3.10	3.72	0.84	1.59	2.30	36.68
1897	1.85	1.52	2.47	1.34	3.73	1.05	2.48	2.63	0.66	1.32	4.13	1.36	24.54
1898	3.51	2.62	4.06	1.62	2.07	2.74	2.19	1.79	2.53	4.61	2.67	2.13	32.54
1899	2.45	1.54	3.64	0.99	3.11	1.49	3.94	0.58	1.51	1.81	0.62	2.85	24.53
1900	2.23	3.37	2.06	1.32	1.26	1.53	4.85	1.79	1.94	1.66	3.01	0.81	25.83
1901	1.18	1.28	2.93	2.10	2.78	3.55	3.77	6.31	7.38	0.80	2.42	4.21	38.71
1902	1.25	0.83	2.34	1.85	3.60	9.77	5.14	1.60	5.36	2.41	2.07	3.67	39.89
1903	1.88	3.84	2.10	3.85	1.46	3.17	5.23	4.13	2.46	3.48	1.91	1.90	35.41
1904	4.69	2.96	4.61	2.76	3.70	1.17	4.63	2.29	3.62	1.24	0.41	2.49	34.56
1905	2.05	1.70	1.80	2.38	3.69	2.73	4.08	3.61	2.37	2.92	2.85	1.72	31.90
1906	1.59	1.50	2.78	1.56	1.81	0.98	4.11	3.45	2.38	5.73	2.10	3.68	31.62
1907	5.72	0.88	3.50	1.68	2.46	4.63	3.63	1.10	3.45	4.13	1.11	2.47	34.76
1908	2.78	4.66	3.70	3.00	2.38	2.06	2.15	1.75	0.48	1.07	0.82	2.75	27.60
Mns	2.53	2.68	2.84	2.25	3.27	3.58	3.64	2.94	3.28	2.73	2.59	2.57	34.90

Cleveland (Hyde), Cuyahoga County
Elevation, 571 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1855	....	....	....	....	2.90	10.33	2.03	3.34	2.52	3.47	4.30	3.03	....
1856	1.25	1.14	0.62	1.35	3.45	2.55	2.26	1.89	2.88	2.30	2.54	3.05	25.28
1857	1.21	2.89	0.84	2.91	3.51	7.54	2.71	3.97	2.03	3.95	5.39	2.80	39.75
1858	1.23	1.96	1.31	4.36	7.74	3.90	5.79	5.08	3.37	1.53	5.06	3.30	44.63
1859	2.38	2.33	4.84	4.59	2.85	3.13	1.00	3.03	3.45	2.85	3.79	4.42	38.66
1860	2.01	1.58	0.99	5.80	2.74	1.44	4.31	4.29	4.22	3.08	3.61	1.67	35.74
1861	1.72	1.08	2.69	4.03	3.35	1.70	1.59	3.39	3.08	3.53	4.51	1.43	32.10
1862	3.03	2.35	3.39	2.69	2.33	4.96	5.32	1.06	2.30	2.28	3.68	3.60	36.99
1863	3.87	2.87	2.85	0.98	3.07	2.24	1.65	2.06	2.63	2.53	4.02	1.99	30.76
1864	2.30	0.53	1.90	1.96	3.57	0.34	1.66	6.71	5.19	1.63	3.51	2.72	32.02
1865	1.77	1.46	2.62	2.84	2.27	3.57	3.44	1.36	4.82	2.75	0.86	3.71	31.47
1866	1.99	2.30	4.00	2.37	4.04	9.80	3.53	3.76	7.91	3.54	3.04	2.63	48.91
1867	2.34	3.15	2.73	3.21	5.02	1.81	2.72	0.88	1.38	3.56	2 87	3.16	32.83
1868	1.46	1.47	4.20	2.97	4 64	5.48	0.45	4.34	4.72	1.09	3.73	1.48	36 03
1869	1 47	3.02	3.89	2.65	3.94	3.52	3.82	1.12	6.27	2.66	3.58	3.08	39.02
1870	6.15	1.68	3.10	4.38	1.85	2.38	10.15	2.00	4.76	5.36	3.07	2.82	47.70
1871	1.27	2.07	3.92	2.15	2.02	3.58	3.42	7.83	1.03	0.77	2 22	2.50	32.78
1872	0.99	1.39	1.65	2.37	4.55	2.69	6.50	4.14	3.66	4.63	2.27	2.90	37.74
1873	3.21	2.16	3.45	4.48	2.38	4.65	4.54	2.16	2.85	4.25	2.18	5.09	41.40
1874	5.57	3.89	1.91	2.87	1.87	4 11	4.09	2.04	4.83	2.29	3.12	1.84	38.43
1875	1.93	1.63	3.86	2.57	4.53	3.61	1.87	4.92	4.52	3.78	3.44	3.12	39.78
1876	3.52	4.90	3.41	1.98	4.78	3.75	4.11	3.44	6.08	4.26	3.10	1.89	45.22
1877	2.05	0.25	5.89	2.05	0.75	5.59	3.74	4.10	3.08	3.68	2.05	1.44	34.67
1878	4.41	2.86	5.00	2.58	2.78	2 86	6.72	1.50	9.25	4.94	2.03	4.73	49.66
1879	1.80	2.67	3.11	2.53	1.56	4.12	5 46	3.93	3.65	0.83	4.61	3.91	38.18
1880	2.86	3.00	2.15	3.80	3.80	4.74	5.17	4.47	2.61	2.31	2.87	1.85	39.63
1881	2.32	3.46	3.55	2.12	0.89	8.56	1.01	0.28	2.17	4.77	3.93	4.69	37.75
1882	2.56	3.14	3.64	2.19	4.98	3.81	5.18	3.64	5.01	1.68	2.32	2.57	40.72
1883	1.59	6.71	1.56	2.01	6.81	3.90	4.25	2.45	4.35	3.78	2.52	2.61	42.54
1884	2.48	5.01	2.42	1.91	3.00	2.06	4.01	1.90	3.77	1 78	2.02	2.82	33.18
1885	3.17	1.46	1.20	2.69	5.36	7.20	4.18	4.90	1.97	3.85	5.25	1.59	42.82
1886	3.17	1.77	2.41	2.49	1.97	1.22	3.91	2.01	4.26	0.74	4.59	4.00	32.54
1887	2.24	7.54	2.89	2 31	3.85	2.99	1.71	3.51	3.78	2.25	3.18	1.77	38 02
1888	2.57	1.57	3.19	2.41	3.70	5.24	2.92	2 10	3.02	3 41	4.26	1.69	36.08
1889	3.03	1.20	2.30	2.04	4.17	2.42	2.65	1.34	5.10	1.91	2.91	2.95	32.02
1890	3.40	4.19	3.82	2.87	6.39	5.22	3.29	2.69	5.52	6.74	3.14	1.93	49.20
1891	2.56	4.95	3.27	1.68	2.91	4 03	1.66	3.23	1.71	2.01	4.63	2.23	34 87
1892	2.32	2.96	3.18	2.26	8.72	6.05	4.78	4.26	2.95	1.52	2.77	1.54	43.31
1893	2.77	4.16	2.27	3.61	8.46	0.94	1.16	3.25	1.07	6.43	2.13	2.99	39.24
1894	2.83	1.77	2.00	2.03	6.15	2.44	2.32	1.37	4.01	3.42	2.01	2.53	32.88
1895	2.91	0.84	1.51	1.63	2.16	2 25	1.53	4.03	2.66	2.04	4.71	4.16	30.43
1896	1.73	3.33	3.18	4.45	1.91	6.48	5.23	3.05	4.19	1.19	2.23	2.04	39.01
1897	1.97	1.54	2.98	2.32	4 95	1.10	3.53	3.98	1.14	1.55	5.71	1.90	32.67
1898	3.41	3.07	4.77	1.80	2.75	3.73	3.38	2.14	3.99	5.36	3.78	2.77	40.95
1899	3.24	1.95	4.73	1.41	4.53	3.00	5.46	0.89	2.67	2.60	1.12	3.97	35.57
1900	2.72	3.61	2.19	1.76	1.85	2.26	6.30	2.34	2.57	2.51	4.18	1.24	33 53
1901	1.58	1.66	4.01	2.97	5.46	4.29	4.49	5.44	7.05	0.92	2.91	4.84	45.62
1902	1.33	0.96	2.63	2.74	4 17	9.94	5.82	1.68	5.81	3.42	2.69	3.26	44.45
1903	2.06	4.33	2.43	4.25	1.66	3.74	5.70	3.89	2.86	3.79	1.97	1.86	38.54
1904	4.50	3.00	4.51	3.30	4.57	1.48	5.40	2.55	3.77	1.45	0.41	2.25	37.14
1905	1.84	1.86	2.21	2.61	5.12	3.00	5.66	3.76	2.67	3.79	3.62	1.51	37.65
Mns	2.52	2.61	2.95	2.73	3.78	3.95	3.80	3.09	3.75	2.96	3.22	2.74	38.10

Defiance, Defiance County
Elevation, 712 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1893	....	....	....	6.02	3 72	3.46	1.83	....	....	....	....	....	....
1894	1.77	3 21	1.63	1.54	6.84	3.49	1.11	2.50	3.08	2.34	2.18	1.79	31.48
1895	1.80	0.76	0.70	1.02	2.11	0.80	1.30	2.12	1.35	1.35	4.56	5.38	23.25
1896	0.92	1.67	2.50	4.03	2 11	1.63	8.18	2.83	2.93	1.40	2.05	1.64	31.89
1897	2 47	1 03	4.40	2.68	3.14	5.91	3.61	2.20	0.27	0.74	5.70	1.84	33.99
1898	3 87	2.21	4 39	2.19	4.89	3.31	5.44	2.01	4.92	3.30	3.20	2.40	42.13
1899	2.08	2.21	3.99	2.49	3.05	1 64	4.22	1.77	3.71	2.63	2.06	3.50	33.35
1900	1.20	4.41	1.81	3.17	3.21	5 36	6.03	2.58	1.07	3.07	3.76	0.59	36.26
1901	1.10	1.07	2 35	1 87	3.93	3.47	6.08	2.16	1 54	2.63	1.41	4 14	31.75
1902	0.49	0.72	3.76	1.92	3 51	7.97	4.41	0.78	8.10	5.24	2.76	3.10	42.76
1903	1.15	4.04	2.11	4.55	4.37	4.50	3.92	4.25	2.45	3 32	2.08	2.40	39.14
1904	5.37	3.47	6 30	2.61	3.24	1.51	2 41	1.88	3.12	1.68	0.21	2.44	34.24
1905	1 60	1.52	1.18	3.29	6 81	5.33	4.28	2.77	2.34	1.94	3.17	1.66	35.89
1906	1.23	0.51	2 32	1 88	1.30	2.12	4.41	2 22	2.42	2 83	2.93	3.67	27.84
1907	4.12	0.25	3.76	1.99	4.65	6.61	5.65	2.27	6.85	2.01	2.29	4 13	44.58
1908	1.42	3.69	3.17	2.06	4.12	1.46	2.23	2.95	0 42	0.87	0.64	1 77	24.80
Mns	2.04	2.05	2.96	2.71	3.81	3.66	4.07	2.35	2 97	2.36	2.60	2.70	34.28

Ellsworth, Mahoning County
Elevation, 1,120 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1885	3 49	1 50	0.60	2 56	4 48	4.21	2.64	6 49	3.02	5 09	2 17	1.75	38 00
1886	2 54	1.92	3.09	2.63	2 67	1.44	3 14	3.60	2.99	1 28	3.92	2.24	31.46
1887	1 24	6 12	....	2 52	2.80	2 88	1 89	2 94	1 75	0.95	2.25	2 10	....
1888	2 51	1.07	1.52	1 90	3 28	2 94	4.08	2 74	3.95	3.20	4 14	1.28	32 61
1889	3 11	....	2.01	3.16	2.24	3.27	2.07	1.98	4.04	....	....	....	....
1890	4.00	5.00	....	4 00	8.11	6.00	1.95	3.88	6.34	5.37	2.72	2 54	....
1891	1.71	5 46	3.00	1 69	2 35	3.54	3.70	2.22	1.41	1.08	3 52	2 39	32.07
1892	....	2 60	....	....	7 80	7.58	5 43	3.88	2.15	0 89	1.61	1.14	....
1893	1 00	3.18	0.82	5.25	5.41	2 52	3.53	2.69	1 26	4.16	1.25	2.91	33.98
1894	2 38	2 70	1 68	2.48	3 76	2 61	4.00	0 16	4 68	1.80	3.10	2.29	31 64
1895	3 92	0.92	1 52	1 53	1.67	3.13	1 55	2.68	2.59	0 88	3.23	4.56	28.18
1896	....	1.31	2 62	2 63	1.59	7 23	7.02	1 50	4.50	2.25	....	....	....
1897	1.44	....	5 00	3.35	2 80	4.07	10 55	....	....	....	....	....	....
Mns	2.49	2.89	2.19	2.81	3.77	3.96	3.97	2.90	3.22	2.45	2.79	2.32	35.76

Note—Values for 1896 and 1897 are for Canfield, about four miles east of Ellsworth.

Colebrook, Ashtabula County
Elevation, 950 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1858	....	....	....	....	....	....	....	....	....	1.09	2.50	1.93	....
1859	1 72	2.18	1.79	2.87	1.54	2.25	1.10	4.83	2.73	2.01	4.54	3.21	30.77
1860	....	....	....	....	....	....	....	....	....	....	....	....	....
1861	1.55	1.57	2.21	4.01	3.14	1.98	3.34	2.56	2.16	2.12	2.88	1.10	28.62
1862	3.41	1.79	3.27	2.56	3.64	4.04	3.56	0.51	1.16	1.63	3.03	4.29	32 89
1863	5.28	3.05	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1892	....	....	....	....	....	....	....	3.43	2.05	1.97	2.29	1.18	....
1893	1.96	3.71	2.04	4.19	7.65	3.26	2.20	3.72	0.83	5.99	2.85	3.59	41.99
1894	2.55	2.86	1.31	2.03	2.92	3.44	1 63	0.83	5.40	2.66	2.68	2.14	29.45
1895	3.54	1.03	1.50	1.85	3.78	2.04	3.25	3.99	4 25	1.54	4.13	4.43	35.33
1896	1.07	2.58	3.02	2.88	2.44	4.78	7.07	3.97	6.08	1.52	2.38	1.59	39.38
1897	1.74	2.40	2.96	2.41	4 81	2.53	7.14	8.40	1.27	1.43	6.77	2 84	44.70
1898	2.98	2.16	3.89	1.74	....	....	....	....	....	....	3.69	1.69	....
1899	2.60	1.34	3 31	0.64	3.97	2.30	3.53	0.45	3.48	2.30	0.80	4.67	29.39
1900	2.39	2.20	1.63	1.70	4.03	2.75	6.32	1.65	2.83	2.19	3.81	1.34	32.84
1901	1.68	0.60	2.65	3.05	2.85	2.39	3.99	5.22	3.99	0.28	2.47	3 40	32.57
1902	2.51	0.90	1.58	3.04	3.30	5.15	9.85	1.92	3.27	1.50	....	3.50	....
1903	....	....	2.96	4.19	1.72	....	5 79	9.33	2.07	5.16	....	....	....
1904	....	....	5.14	2.70	7.01	....	7.61	3.36	....	....	....	2.35	....
1905	0.57	1.85	2.00	2.32	4.41	4.28	7.65	3.29	3.65	4 08	2.96	1.22	37.77
1906	1.19	1.12	2.88	....	....	....	....	....	....	....	....	....	....
1907	....	....	3.40	1.91	2.86	....	5.59	0.82	3.12	4.56	3.00	3.87	....
1908	2.05	4.84	4.16	4.04	3.29	1.68	1.58	1.63	0.58	1.21	1.38	3.74	30.18
Mns	2.28	2.07	2.72	2.67	3.73	3.06	4.78	3.30	2.88	2.40	3.07	2.76	35.72

Note—Values for 1858 to 1863 are for Montville, about fifteen miles north of west of Colebrook, and for 1907 and 1908 for Rome, about six miles no thwest of Colebrook.

Elyria, Lorain County
Elevation, 755 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1858	....	....	....	....	....	....	....	....	....	1.91	4.34	4.93	....
1859	2.27	3.99	3.98	4.28	3.23	4.23	2.10	1.74	4.09	2.20	6.36	3.53	42.00
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1886	....	....	....	....	1.63	2.64	3.33	2 25	3.56	1.31	4.31	3.58	....
1887	2.38	8.46	3.05	2.88	2.82	3.73	0.79	2.17	3.07	1.23	3 16	1.96	35.70
1888	2.81	1.39	3.24	2.10	5.02	3.95	3.58	1.31	2.07	3.33	3.89	1.69	34.38
1889	3.16	2.15	3.05	1.80	3.06	2.63	3.19	2.95	4.20	1.72	2.87	3.65	34.43
1890	4.07	4.22	4.14	4.21	7.72	4.03	3.38	3.91	4.02	5.85	3.46	2.05	51.06
1891	2.39	5.43	3.27	1.75	3.69	4.62	2.28	2.03	3.01	1.96	7.38	1.78	39.59
1892	2.04	2.54	3.50	3.30	10.42	6 17	3.93	3.66	3.11	0.93	2.46	1.09	43 15
1893	1.86	3.06	2.21	4.47	5.32	1.23	2.11	2.87	0.79	4.24	2.03	2.57	32.76
1894	2.71	1.93	3.24	2.07	4.46	3.48	2.67	1.60	3 18	2 51	2.12	2.53	32.50
1895	1.66	0.34	2.27	1.28	4.28	2 21	1.43	5.53	1.88	2.24	4.60	4.30	31.97
1896	1.73	2.58	1.41	4.67	1.21	5.99	7.25	2.37	4.59	1.09	1 95	2.37	37.21
1897	1.47	1.88	3.25	1.83	4.31	1.61	4.86	2.94	1.31	0.78	6.89	1.33	32.46
1898	6.63	2.36	4.51	2.41	2.68	5.48	3.51	5.64	4.55	7.87	3.22	2 39	51.25
1899	1.89	1.88	4.92	1.45	5.30	2.07	4.82	1.16	3.14	2.33	1.70	3.00	33.66
1900	2.15	1.98	2.61	1.57	1.80	2.70	5.69	3.48	2.35	1.09	3.08	0.91	29.31
1901	1.16	0.79	3.24	3.68	5.19	3 31	3.10	4.22	2.34	0.73	2.21	3.88	33.85
1902	0.93	0.52	2.68	1.99	3.86	9.83	6.70	2.68	5.42	3 42	2.20	2.39	42 62
1903	1.60	4.57	2.46	3.96	1.84	3.83	5.64	5.20	1.82	2.42	2.05	1.72	37.10
1904	3.94	1.48	4.25	3.11	5.68	1.28	5.73	3.02	1.73	1.41	0.24	2.31	34.18
1905	2.91	1.50	1.32	3.00	4.16	2.00	1.66	2.78	2.01	2.63	2.19	1.35	27.51
1906	1.24	0.85	3.48	1.63	2.30	1.65	3 92	4.63	2.51	5.61	2.57	3.43	33.82
1907	5.70	0.79	4.08	1.97	2.98	5.12	2.90	0.88	4.57	4.02	1.42	3.58	38.01
Mns	2.58	2.48	3.19	2.70	4.04	3.64	3.68	3.00	3.18	2.62	3.20	2.60	36.86

Note—Values for 1858 and 1859 are for Avon, about eight miles northeast of Elyria, and from October, 1904, to December, 1907, for South Lorain, about six miles north of Elyria.

Findlay, Hancock County
Elevation, 776 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1886	....	....	0.95	1.80	4.20	2.95	0.20	1.50	4.80	1.60	....	....	....
1887	....	8.55	1.70	2.20	....	....	....	....	....	....	....	....	....
1888	....	....	....	....	....	....	....	....	....	....	....	....	....
1889	....	....	....	....	....	....	....	....	2.70	0.92	2.93	3.59	....
1890	4.22	4.76	3.94	4.60	6.40	3.80	0.63	2 70	2.67	4.20	2.72	2.11	42.75
1891	2.43	4.19	4.05	2.73	1 84	4.66	5.30	1.90	0.42	2.72	5.53	2.15	37.92
1892	1.44	3 18	4.04	4.18	6.62	8.31	3 91	2.31	2.76	0.79	3.32	1.88	42.74
1893	2.13	5.19	1.56	6.12	3.77	3.86	2.68	2.50	1.51	3.41	2.55	2.50	37.28
1894	1.87	4.09	2.09	1.60	4.85	3.47	0.70	0 17	2.92	3.40	2.34	1.78	29.28
1895	3.33	0 50	0.82	2.78	1.55	2.76	3.04	2.22	1.83	1.04	5.67	2.92	28.46
1896	1.37	2.18	3.18	1.92	1.65	5.23	11.10	2.67	5.01	0.64	1.14	2.55	38.64
1897	2.30	1.15	4 21	3.66	4.25	2.80	3.08	3 22	0.79	1 49	5.41	2.01	34.37
1898	4.26	2.37	4.67	2.08	4 36	1.97	3.20	5.03	3.90	4.04	3.13	2.51	41.52
1899	3.19	1.50	4.57	1.77	3.31	2.30	5.08	0.79	1.61	1.91	1.71	3.06	30.80
1900	1.70	5.19	1.52	1.99	2.86	1.60	5.84	6.27	1.50	3.16	3.10	0.88	35.61
1901	1.46	1.45	3.30	2.46	4.65	2.79	1.36	2.96	1.85	0.86	0.94	3.90	27.98
1902	0.40	0.65	3.50	1.79	4.32	7.21	4.13	1.74	8.46	1.78	2.65	2.64	39.27
1903	1.23	4.41	1.62	5.50	2.43	4.29	4.69	4.31	2.29	2.92	1.46	1.73	36.88
1904	6 11	2.84	5.84	2.90	4.09	3.60	6.18	1.58	2.71	1 45	0.08	2.40	39 78
1905	1.64	1.90	1.44	3.67	5 90	7.44	4.37	3.09	4.99	2.35	2.58	2.20	41.57
1906	1.19	0.78	2.78	1 86	1.07	2.61	4.51	4.82	2.03	2.94	2.15	3.73	30.47
1907	6 15	0.34	3.94	1.23	3.29	6.53	2.87	1.48	4.63	1 67	2.05	3.61	37.79
1908	1.66	4.77	4.05	3.39	3.78	2.58	4.02	2.89	0.36	1.18	1.42	2.28	32.38
Mns	2.53	3 00	3.04	2.87	3.76	4.01	3.84	2 71	2.84	2.12	2.77	2.52	36.01

Fremont, Sandusky County
Elevation, 628 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1901	.....	.....	.....	.....	.....	.....	2.92	2.83	1.17	1.01	1.87	4.29	.....
1902	0.40	0.65	3.46	1.69	4.16	10.56	4.15	1.28	7.20	2.22	2.06	3.61	41.44
1903	1.22	6.05	2.05	4.80	4.13	4.88	6.53	4.91	1.80	2.58	2.53	2.56	44.04
1904	5.26	4.18	5.20	3.36	4.11	3.48	8.09	3.23	2.13	1.23	0.18	2.24	42.69
1905	1.85	1.60	1.41	3.82	7.03	4.90	3.20	2.65	2.91	1.67	2.80	1.72	35.56
1906	0.84	1.04	2.29	1.79	2.02	2.30	3.76	9.51	3.40	4.20	2.57	3.99	37.71
1907	5.84	0.10	4.91	1.78	3.00	5.20	2.14	2.14	4.08	4.29	1.77	2.83	38.08
1908	1.38	4.12	3.96	3.43	2.90	1.75	4.79	4.80	0.56	1.11	0.78	2.02	31.60
Mns	2.40	2.53	3.33	2.96	3.91	4.72	4.45	3.92	2.91	2.29	1.82	2.91	38.14

Garrettsville, Portage County
Elevation, 1,005 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1884	.....	5.45	4.17	1.53	1.79	1.49	5.20	1.62	3.70	2.56	1.63	2.99	.....
1885	8.22	1.53	1.37	2.70	3.66	6.05	5.55	7.44	2.31	4.29	3.14	1.78	43.04
1886	4.45	1.35	2.89	2.12	2.22	2.35	1.89	2.74	2.19	0.87	4.94	2.62	30.63
1887	1.73	7.39	2.46	3.39	3.47	5.66	1.27	2.27	4.70	1.31	2.41	2.65	38.71
1888	3.48	1.72	2.74	2.24	2.42	3.56	2.75	3.70	5.13	3.36	3.66	1.81	36.57
1889	3.11	1.42	3.11	2.06	2.65	5.24	1.69	3.88	5.18	1.67	2.55	3.81	36.37
1890	4.51	4.99	3.48	3.96	7.87	3.73	2.23	3.92	4.83	7.36	3.19	3.31	52.88
1891	2.51	5.65	3.58	1.57	2.56	5.06	4.14	2.43	1.65	1.55	4.67	2.57	37.94
1892	2.50	3.42	3.48	2.17	7.50	6.49	8.20	3.26	2.96	1.50	2.46	1.62	40.56
1893	2.99	6.11	4.44	5.66	7.07	2.53	2.14	3.04	1.44	5.03	1.88	3.75	46.08
1894	2.49	2.76	2.52	2.84	3.05	3.17	2.54	0.23	5.87	2.26	3.58	3.37	34.18
1895	3.70	1.08	1.79	1.73	2.64	1.73	2.50	2.87	4.88	1.52	4.74	4.68	33.86
1896	1.62	3.23	3.31	4.93	1.94	4.76	5.53	2.51	5.03	1.04	1.95	2.31	38.16
1897	2.62	3.09	4.21	2.49	4.76	1.59	6.34	3.42	1.22	1.56	6.20	2.45	39.95
1898	4.82	2.55	4.92	2.66	3.11	2.96	4.55	5.42	2.00	4.83	4.60	3.19	45.61
1899	2.81	1.94	4.52	1.30	6.37	2.57	2.66	2.10	3.03	1.88	1.46	4.06	34.70
1900	2.67	3.45	3.42	2.30	2.01	1.42	5.92	2.19	1.80	1.94	4.47	1.34	32.93
1901	2.20	1.95	3.57	4.32	3.31	4.46	3.31	4.63	4.41	0.81	3.04	3.94	39.95
1902	1.59	1.20	2.11	4.35	3.94	7.05	6.32	2.06	3.89	1.88	2.48	4.32	41.14
1903	2.97	4.22	3.67	4.69	1.27	5.02	6.16	5.57	2.43	3.40	2.95	1.74	44.09
1904	4.92	3.20	5.23	4.27	7.62	2.47	4.68	3.14	2.01	1.43	0.89	2.27	42.13
1905	2.00	1.68	2.72	2.76	3.99	3.40	4.78	5.64	4.62	3.54	2.97	2.01	40.11
1906	1.45	0.73	3.06	2.41	2.30	2.41	4.64	7.17	6.22	5.94	2.84	3.90	43.07
1907	5.13	1.14	5.92	2.28	3.47	3.96	4.05	4.08	4.42	4.37	2.12	3.02	48.96
1908	2.32	4.05	6.24	4.26	4.26	3.10	4.40	1.66	1.27	1.18	0.76	3.58	37.08
Mns	2.99	3.01	3.55	3.00	3.81	3.69	3.94	3.48	3.45	2.68	3.02	2.93	39.55

Green Hill, Columbiana County
Elevation, 1,135 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	.....	.....	.....	.....	.....	.....	.....	2.45	1.42	0.75	1.26	1.41	.....
1893	2.24	6.15	2.14	6.06	4.99	3.41	2.52	2.79	1.30	5.51	1.35	2.75	41.21
1894	2.06	2.44	1.64	2.15	4.87	2.12	2.23	0.53	5.48	2.12	2.85	2.34	30.83
1895	4.43	0.56	1.36	1.17	1.36	2.32	3.18	4.02	1.38	1.46	3.27	4.26	28.77
1896	1.78	2.38	2.64	3.22	2.39	5.54	6.47	2.24	4.41	1.11	1.46	2.42	36.06
1897	1.45	3.44	3.27	2.53	2.69	3.02	6.12	2.97	0.87	0.33	5.85	2.41	34.95
1898	4.26	1.95	5.81	1.71	3.89	5.13	4.18	5.06	2.35	3.53	3.38	3.04	44.29
1899	1.88	1.72	3.58	2.41	6.04	3.20	5.19	1.38	3.43	1.88	1.51	3.36	35.58
1900	1.80	3.08	2.29	1.76	1.67	3.81	4.67	3.65	2.83	1.51	3.76	1.36	32.19
1901	1.68	0.95	3.36	5.83	4.03	4.42	4.28	4.95	4.95	0.37	1.72	3.34	39.88
1902	1.05	1.09	2.49	1.49	2.93	5.69	5.81	3.19	3.39	1.20	1.67	3.87	33.87
1903	2.38	4.00	4.48	2.34	1.50	4.77	3.70	4.97	0.30	2.85	1.56	1.63	34.48
1904	3.65	3.15	5.28	5.19	3.74	4.59	3.63	2.87	0.97	1.79	0.49	2.21	37.56
1905	1.87	1.63	2.71	2.37	3.03	6.38	4.68	5.02	4.05	4.01	1.98	2.22	39.95
1906	1.52	0.75	3.18	1.39	1.53	3.70	5.08	5.68	3.19	3.17	2.54	2.98	34.71
1907	5.85	0.92	5.19	3.38	2.57	3.44	5.27	1.39	4.01	1.63	1.85	2.32	37.82
1908	1.74	2.90	5.91	2.87	4.34	2.86	3.79	2.96	0.72	1.80	0.95	2.79	33.63
Mns	2.48	2.32	3.46	2.87	3.22	4.02	4.42	3.30	2.65	2.06	2.20	2.63	35.63

Hedges, Paulding County
Elevation, 725 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1883	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.21	.....
1884	1.39	4.41	3.06	1.30	3.63	3.04	6.60	1.09	0.68	5.14	1.52	3.22	35.08
1885	2.82	0.64	0.95	3.99	5.21	1.52	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1892	.....	.....	.....	.....	.....	.....	.....	1.77	4.03	0.15	2.72	1.46	.....
1893	1.80	.....	**1.90**	**6.50**	**3.50**	2.30	**1.60**	**1.00**	1.39	**3.00**	**3.20**	2.25	.....
1894	2.56	3.41	1.53	1.56	2.84	0.62	1.61	0.92	4.06	2.98	1.91	2.23	26.23
1895	3.22	0.80	1.85	1.30	1.52	1.71	1.16	3.15	1.55	1.00	5.76	4.21	27.23
1896	1.54	1.33	2.68	2.91	1.24	3.11	5.41	3.34	3.26	0.35	1.04	3.00	29.21
1897	3.05	1.44	4.14	4.11	3.43	5.11	0.82	2.86	0.28	0.25	**4.50**	**1.20**	31.19
1898	5.68	2.29	4.53	1.58	4.00	1.49	2.35	1.80	1.80	1.76	2.87	2.50	32.65
1899	2.88	1.54	**4.50**	**1.00**	2.37	**1.80**	**4.20**	**5.00**	**3.10**	**2.10**	**2.50**	**2.25**	33.24
1900	**0.80**	3.11	1.14	2.35	2.89	4.22	4.75	2.85	0.92	2.78	4.10	0.72	30.63
1901	1.12	1.03	3.02	2.19	5.28	3.26	1.89	2.25	1.76	2.27	1.35	4.03	29.45
1902	0.59	0.72	4.25	1.81	2.26	6.19	3.02	3.73	5.99	3.45	2.41	2.97	37.39
1903	1.15	4.14	2.30	5.87	3.19	4.51	4.51	4.32	1.57	3.37	1.40	2.33	38.66
1904	5.09	2.46	6.14	2.21	3.34	1.64	3.69	2.73	2.52	1.92	T.	2.30	34.04
1905	1.45	1.16	2.01	3.21	4.39	5.40	5.47	2.59	2.74	2.45	2.64	2.25	35.76
1906	1.52	1.18	2.45	2.89	2.14	5.45	2.92	5.74	1.54	4.43	3.40	4.52	38.18
1907	5.54	T.	4.91	2.46	4.88	4.75	5.37	2.08	3.07	2.22	1.93	5.55	42.76
1908	1.75	5.58	4.08	**2.45**	3.63	1.20	3.95	2.18	0.53	0.48	1.14	2.23	29.20
Mns	2.44	2.07	3.08	2.76	3.32	3.18	3.49	2.74	2.27	2.23	2.47	2.71	32.76

Note—Values for December, 1883, to June, 1885, are for Junction, about eight miles north of Hedges.

Hiram, Portage County
Elevation, 1,260 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1855	.....	.....	.....	.....	.....	.....	.....	.....	3.12	3.00	.....	.....	.....
1856	3.69	1.48	0.80	1.09	3.58	3.78	1.20	1.93	4.37	0.60	1.70	6.25	30.47
1857	0.80	3.45	0.80	2.76	3.96	5.80	5.14	2.49	1.54	4.83	4.44	3.32	38.83
1858	1.38	1.48	1.52	4.71	3.91	3.23	4.69	3.57	1.23	2.77	2.96	3.26	34.71
1859	2.46	2.42	3.95	4.25	.....	4.35	1.58	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1884	.....	5.14	5.28	1.92	2.31	1.64	4.12	1.63	4.25	2.88	2.17	3.49	.....
1885	3.01	1.70	1.30	3.01	3.92	7.66	5.37	6.66	2.81	5.19	3.73	2.02	46.38
1886	4.34	1.56	1.71	1.52	2.58	2.58	2.38	2.59	2.80	1.28	5.68	2.84	31.86
1887	1.83	9.56	2.86	3.98	3.50	6.64	1.27	2.88	3.74	1.86	2.60	2.35	43.02
1888	3.70	1.63	3.08	2.52	3.21	5.41	2.89	4.45	4.61	3.20	3.62	1.62	39.94
1889	2.71	1.31	2.82	2.19	2.48	5.80	2.35	2.22	5.61	1.52	2.25	4.03	35.29
1890	4.43	4.68	3.76	3.22	7.43	4.41	1.68	3.69	4.67	7.74	3.27	2.35	51.33
1891	2.44	5.26	3.27	1.50	2.33	4.56	3.45	2.54	1.40	1.37	4.31	2.41	34.84
1892	1.45	3.43	3.56	1.99	8.37	5.78	3.96	2.19	2.61	1.57	2.51	1.32	38.74
1893	3.09	5.42	4.53	5.37	6.95	2.50	1.83	3.55	1.22	5.19	2.02	3.57	45.24
1894	2.70	2.41	2.62	3.20	3.32	3.23	1.97	0.22	5.47	2.32	3.76	3.72	34.94
1895	3.33	0.83	1.59	1.81	2.00	1.44	2.13	3.16	4.13	1.41	5.02	4.84	31.69
1896	2.23	2.87	3.50	4.89	2.18	3.95	4.57	2.06	4.69	1.10	1.97	2.43	36.44
1897	2.00	3.01	4.58	2.47	5.01	1.85	6.51	3.21	0.76	2.78	6.15	2.50	40.83
1898	4.41	2.40	5.14	2.69	3.00	3.90	3.20	6.03	2.53	5.07	4.66	2.68	45.71
1899	3.05	1.77	4.63	1.25	6.90	2.03	2.19	1.23	3.40	2.14	1.79	4.30	34.68
1900	2.74	3.26	3.45	2.70	2.70	1.91	4.99	**2.19**	2.09	1.99	4.80	1.37	34.19
1901	2.37	1.41	3.51	4.40	3.39	4.53	3.71	4.55	4.37	0.77	3.11	3.85	39.97
1902	1.76	0.72	1.64	3.76	3.59	8.89	7.22	**2.06**	4.25	2.06	2.51	4.40	42.86
1903	2.22	4.21	3.58	4.79	1.32	4.21	5.27	4.62	1.44	3.82	2.46	1.46	39.40
1904	4.91	2.14	3.73	4.11	5.86	2.62	5.17	2.55	1.56	1.22	0.94	1.96	36.77
1905	1.60	1.38	2.46	2.59	5.18	2.71	5.85	5.46	5.13	3.77	2.80	1.74	40.67
1906	1.31	1.22	3.21	2.32	3.19	2.03	6.21	7.46	6.23	5.62	2.80	4.33	45.93
1907	5.47	0.74	5.65	2.99	3.09	4.31	3.60	3.30	4.23	4.09	2.10	2.69	42.26
1908	2.67	3.86	5.60	3.91	3.81	3.38	3.65	1.88	1.17	1.14	0.93	3.01	35.01
Mns	2.79	2.78	3.25	3.03	3.90	3.97	3.73	3.28	3.29	2.82	3.11	3.00	38.90

Hudson, Summit County
Elevation, 1,158 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1838	.....	.....	.....	.....	.....	.....	.....	.....	0.11	2.42	1.93	0.54	.....
1839	1.51	1.57	2.77	1.39	3.92	5.21	2.37	1.80	6.20	0.81	3.94	1.53	33.02
1840	1.53	6.22	6.01	3.15	2.75	4.46	3.47	4.08	2.75	3.16	2.31	2.36	42.25
1841	2.36	0.59	2.78	2.40	1.58	3.09	1.30	1.96	1.74	1.90	3.54	3.72	26.96
1842	1.15	3.27	3.53	4.03	1.80	2.46	4.91	5.67	3.08	5.68	1.56	2.22	39.36
1843	2.00	2.18	1.30	1.71	1.73	5.54	1.44	3.80	3.10	2.11	2.40	2.15	28.96
1844	1.05	0.91	3.24	1.29	4.54	5.48	2.49	6.39	2.00	2.94	1.15	1.77	33.25
1845	2.37	2.06	3.27	2.32	2.72	4.37	2.66	3.87	2.71	2.29	2.40	2.04	33.08
1846	1.71	2.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1858	.....	.....	.....	.....	.....	.....	.....	5.23	2.31	2.73	3.91	2.76	.....
1859	2.94	2.70	4.13	3.01	2.71	4.48	1.02	3.71	2.34	3.05	6.55	4.74	41.38
1860	2.01	2.91	3.73	7.47	4.15	4.44	5.20	4.44	4.66	4.57	10.50	5.09	59.17
1861	3.56	4.18	3.58	8.95	6.71	2.70	3.59	4.63	3.49	2.37	3.33	1.19	48.28
1862	3.02	1.97	2.14	2.07	2.61	3.52	3.22	0.85	1.98	3.38	3.57	2.90	31.23
1863	4.81	2.41	2.46	0.73	1.88	1.56	2.57	4.30	0.98	2.61	2.82	2.31	29.44
1864	3.94	1.23	1.81	2.83	2.45	1.49	5.30	6.93	5.95	2.10	2.20	2.94	39.17
1865	2.29	1.67	3.04	2.72	4.21	3.67	7.45	1.86	7.39	2.03	1.17	2.84	40.34
1866	0.17	0.84	0.14	1.25	3.95	6.62	2.99	3.67	6.33	2.57	1.56	5.06	35.15
1867	3.00	2.34	2.95	1.96	2.22	1.41	1.77	0.44	.....	0.87	2.51	0.83	.....
1868	.....	.....	.....	.....	.....	.....	0.30	2.16	2.82	1.51	2.56	0.75	.....
1869	1.21	1.89	2.02	2.27	4.29	5.98	4.45	2.84	.....	.....	.....	.....	.....
1870	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1871	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.45	.....	.....
1872	0.70	0.55	1.45	2.45	2.93	2.80	.....	.....	3.26	5.00	1.10	2.37	.....
1873	2.40	0.85	9.51	3.48	2.18	3.80	7.97	3.26	3.11	4.41	3.40	.....	.....
1874	5.95	3.80	3.20	4.30	1.95	2.25	3.55	1.35	2.75	1.82	3.80	1.92	36.64
1875	2.50	1.30	2.00	1.00	3.85	5.05	2.30	3.65	2.15	1.55	1.10	2.35	28.80
1876	1.95	2.70	2.30	1.35	3.15	1.40	7.30	3.14	5.25	2.50	2.25	3.16	36.45
1877	1.15	0.10	4.34	1.20	0.35	4.30	5.86	5.92	1.40	2.78	3.03	2.45	32.88
1878	4.30	2.50	4.45	2.28	2.01	2.43	9.30	0.71	7.85	4.15	2.50	2.61	45.09
1879	1.54	2.42	.....	1.90	0.90	3.60	5.53	3.05	2.56	0.80	4.19	3.03	.....
1880	3.40	1.97	2.85	3.50	2.35	3.52	.....	2.60	1.82	2.56	2.40	0.22	.....
1881	2.20	2.05	3.49	1.84	1.04	6.47	3.98	.....	3.89	5.65	3.64	5.20	.....
1882	3.29	3.18	2.20	1.87	5.22	.....	.....	.....	.....	.....	.....	.....	.....
1883	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1884	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.45	2.63	.....
1885	2.73	1.51	0.85	2.36	2.59	5.12	5.69	6.03	2.60	3.96	2.95	1.63	38.02
1886	3.13	1.97	2.33	1.85	2.68	2.43	1.97	2.61	3.10	1.02	4.28	3.56	30.93
1887	2.26	6.66	2.73	2.88	3.37	6.67	1.12	1.13	2.04	1.40	2.61	2.16	35.03
1888	2.53	1.56	2.32	2.44	3.45	.....	3.35	4.45	4.45	3.84	4.69	1.54	.....
1889	1.74	1.32	2.76	2.27	2.62	.....	.....	2.52	5.87	2.18	2.63	4.34	.....
1890	4.47	5.10	.....	3.14	7.68	2.89	2.06	1.98	5.31	7.38	3.34	2.69	.....
1891	1.70	5.85	4.10	1.22	1.85	4.31	4.94	3.30	1.33	1.49	5.07	**2.40**	37.56
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1895	.....	.....	.....	.....	.....	.....	1.42	5.91	2.56	0.91	5.57	.....	.....
1896	1.37	2.75	4.60	3.70	1.49	7.70	7.07	1.96	4.44	1.09	2.30	1.82	40.29
1897	3.51	2.80	3.29	2.14	4.76	2.34	4.45	4.34	1.33	1.81	7.11	2.89	40.27
1898	5.49	4.11	4.34	2.31	3.43	2.69	3.80	5.51	2.20	4.46	4.78	2.72	45.84
1899	2.70	2.50	4.05	1.24	7.11	1.98	4.20	3.78	3.07	2.36	1.57	4.19	38.75
1900	2.83	4.32	0.92	2.41	1.62	1.43	4.73	2.05	3.02	2.29	4.43	1.05	31.10
1901	1.65	1.95	1.84	4.35	4.20	2.72	3.31	5.11	4.05	0.64	3.10	3.38	36.30
1902	3.00	1.37	1.81	3.48	2.76	7.70	8.60	2.60	4.60	2.23	2.09	4.26	44.50
1903	**2.45**	4.00	2.65	4.10	1.32	**3.70**	7.70	8.66	2.90	2.45	2.55	1.63	44.11
1904	3.80	2.75	4.31	3.94	6.30	1.69	6.56	4.08	1.94	1.06	1.08	2.30	39.81
1905	2.12	2.45	3.84	3.19	5.04	3.62	5.83	3.62	4.57	2.74	2.54	2.10	41.66
1906	1.18	1.40	3.41	1.71	2.47	2.32	6.42	4.76	6.82	5.06	2.97	3.35	41.87
1907	**5.10**	1.30	5.70	2.51	3.52	4.21	2.48	3.04	3.26	5.05	1.71	2.97	40.85
1908	2.13	4.23	6.19	3.66	4.41	2.88	3.67	1.61	0.91	1.13	0.18	2.87	33.87
Mns	2.57	2.50	3.18	2.70	3.18	3.74	4.17	3.56	3.35	2.69	3.05	2.60	37.29

Hillhouse, Lake County
Elevation, 997 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	......	......	......	......	......	......	......	3.60	5.56	2.23	2.98	2.08	......
1893	2.26	4.28	2.21	4.57	11.67	1.69	1.59	2.84	0.81	7.10	4.03	3.70	46.75
1894	2.31	1.95	2.96	2.15	5.18	3.23	2.21	0.62	6.97	5.12	3.29	3.75	39.74
1895	5.41	2.65	2.02	1.28	2.46	2.77	3.15	3.33	3.48	2.35	5.11	4.33	38.34
1896	1.50	4.75	3.30	3.83	2.26	5.92	6.88	4.21	5.19	2.03	4.08	1.97	45.87
1897	2.62	2.27	2.60	1.92	4.44	1.60	7.64	4.82	0.88	2.35	6.41	2.84	40.89
1898	3.71	2.78	4.67	1.72	2.72	3.44	3.15	5.74	2.78	5.18	4.32	3.72	43.93
1899	2.84	2.82	4.22	1.17	7.14	3.03	3.64	1.06	5.58	2.53	1.79	5.62	41.44
1900	3.11	3.56	2.44	2.29	1.32	1.74	6.02	2.72	2.00	2.58	3.82	1.54	33.14
1901	2.17	2.06	2.76	2.53	4.83	2.95	5.11	2.57	5.51	1.75	4.24	5.06	41.54
1902	2.04	1.24	1.98	3.00	6.18	7.94	8.75	1.58	5.13	5.21	1.96	3.64	48.65
1903	1.86	3.99	1.75	4.39	2.93	6.04	5.62	4.69	2.70	3.76	2.78	2.11	42.62
1904	3.66	2.52	5.83	3.75	5.31	1.71	4.86	3.90	3.64	2.60	1.03	1.52	40.33
1905	2.00	1.33	1.88	2.53	5.74	4.43	6.42	3.55	3.86	5.90	2.92	1.39	41.45
1906	1.06	1.40	2.65	2.13	2.85	2.34	2.79	4.29	4.25	8.97	3.64	4.02	40.39
1907	5.26	0.52	2.82	2.28	3.93	6.14	4.06	1.09	6.37	6.93	2.48	4.20	46.08
1908	2.27	3.52	3.62	3.30	3.79	2.78	1.90	1.17	0.73	2.43	1.34	3.04	29.89
Mns	2.76	2.60	2.98	2.68	4.55	3.61	4.61	3.05	3.82	4.06	3.30	3.21	41.23

Kelly's Island, Erie County
Elevation, 614 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1859	......	......	......	......	......	......	0.79	2.04	2.97	1.33	2.47	1.95	......
1860	1.19	0.83	0.95	5.06	1.24	1.08	5.20	2.62	2.09	2.93	1.17	1.52	25.88
1861	1.27	1.01	3.38	4.19	2.13	1.32	3.69	4.34	2.52	2.09	3.00	1.11	30.06
1862	2.80	2.13	5.18	3.26	4.19	4.21	5.06	1.84	2.14	2.50	3.90	4.71	41.92
1863	3.04	2.62	1.51	1.98	2.12	3.00	1.43	4.74	1.29	2.84	3.51	2.89	30.97
1864	1.75	0.64	2.11	4.47	4.04	1.77	4.81	3.20	4.89	3.20	4.43	2.10	37.41
1865	1.27	1.58	2.04	2.65	2.46	2.77	4.54	1.75	8.23	3.11	0.43	3.26	34.04
1866	1.81	1.68	2.81	1.11	3.77	7.42	2.59	2.29	7.15	1.84	3.48	2.23	38.18
1867	1.46	3.42	1.98	3.27	5.08	1.19	3.63	......	0.84	1.68	1.31	2.33	......
1868	1.00	0.80	3.91	1.83	2.86	5.98	0.53	3.78	3.29	0.78	2.24	0.45	27.45
1869	0.71	2.67	2.45	3.22	5.11	6.07	1.39	1.50	1.99	1.93	3.55	1.99	32.58
1870	4.95	1.00	3.08	1.89	1.27	3.85	6.32	1.52	1.50	3.13	1.64	1.83	31.96
1871	0.59	2.60	2.02	0.66	......	......	......	......	......	......	......	......	......
Mns	1.82	1.74	2.62	2.80	3.12	3.51	3.33	2.47	3.24	2.28	2.59	2.20	31.72

Lordstown, Trumbull County
Elevation, 1,000 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1883	......	......	......	......	......	......	......	......	......	......	2.48	3.60	......
1884	1.74	5.41	2.37	1.35	1.76	1.16	6.29	2.91	3.73	2.71	1.52	2.78	33.73
1885	3.60	2.20	0.83	2.27	3.23	5.78	3.28	6.71	2.39	4.23	1.92	1.99	38.43
1886	5.14	2.19	2.15	3.05	2.16	1.95	3.01	......	2.01	1.19	4.01	2.16	......
1887	1.09	5.51	2.15	3.22	2.42	......	......	......	2.46	......	......	......	
1888	2.78	1.31	1.43	1.66	2.15	2.54	4.54	4.46	3.86	3.75	3.12	1.47	33.02
1889	3.20	1.06	2.18	2.83	2.20	3.76	2.35	1.70	2.65	1.98	2.21	3.09	29.21
1890	3.73	4.40	3.81	3.05	7.84	2.87	2.87	3.94	5.94	6.36	2.31	2.52	49.64
1891	2.17	4.03	3.14	1.74	2.51	4.77	2.79	1.69	2.46	1.10	2.89	2.40	31.69
1892	2.15	2.87	2.89	1.58	7.31	6.80	4.18	2.79	1.74	0.79	1.93	1.21	36.24
1893	2.32	4.87	3.21	5.40	5.20	1.80	2.92	2.56	1.09	5.26	1.25	3.24	39.12
1894	2.24	2.65	2.82	2.81	2.73	2.82	3.20	0.24	4.52	1.81	3.32	2.43	31.09
1895	3.84	0.40	1.61	1.56	1.90	2.69	2.01	2.90	3.22	1.07	3.01	4.51	28.72
1896	1.62	3.14	2.58	3.74	1.70	5.18	6.73	1.98	3.99	0.89	1.60	3.00	36.10
1897	2.07	2.80	3.68	2.74	3.55	2.28	8.87	3.47	0.93	0.39	4.71	2.26	37.25
1898	4.15	1.88	4.47	2.01	4.45	5.15	4.70	4.95	1.91	3.86	3.38	2.36	43.27
1899	2.03	1.71	3.89	1.06	5.00	3.51	3.17	1.26	3.87	1.93	1.55	3.31	32.29
1900	2.03	3.65	2.01	......	......	......	......	......	......	......	......	......	......
1901	1.91	1.16	3.10	8.21	......	......	......	......	......	......	......	......	......
Mns	2.65	2.85	2.66	2.84	3.51	3.53	4.03	2.97	2.92	2.49	2.58	2.65	35.68

Mansfield, Richland County
Elevation, 1,154 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1887	......	......	......	......	......	......	......	1.09	1.72	0.95	2.54	1.58	......
1888	4.27	1.50	3.79	1.99	4.20	4.15	3.72	3.91	3.44	3.35	4.72	1.91	40.95
1889	4.15	1.52	0.88	2.81	4.33	4.88	3.96	3.05	4.03	1.04	3.85	3.66	38.16
1890	5.00	6.03	4.87	3.83	6.38	4.73	1.75	6.04	3.61	5.68	3.56	1.54	53.02
1891	2.56	6.44	3.69	2.68	2.03	6.09	2.28	2.15	1.19	2.27	7.10	3.68	42.16
1892	2.54	3.72	4.05	2.79	8.70	7.19	3.42	2.85	1.89	0.98	3.04	1.60	42.77
1893	3.10	7.04	2.76	7.59	6.17	2.93	2.36	0.73	2.35	4.09	2.79	3.44	45.35
1894	2.78	3.38	2.59	2.58	5.23	4.81	1.41	0.50	2.45	1.99	2.23	3.06	33.01
1895	3.53	0.67	1.92	2.48	1.68	4.78	......	......	......	......	......	......	......
1896	1.47	3.25	4.06	4.93	2.47	3.96	......	......	......	......	......	......	......
1897	2.30	3.37	5.30	2.71	5.89	2.67	3.91	2.77	0.50	0.69	6.46	1.45	38.02
1898	5.47	4.09	7.31	3.20	6.65	2.91	1.72	4.23	3.48	4.93	6.00	4.30	54.29
1899	3.61	2.31	5.55	1.75	4.60	6.42	4.75	1.60	4.55	3.20	2.40	3.39	44.13
1900	2.89	4.75	4.30	4.85	3.50	4.15	7.88	4.65	2.23	2.15	4.63	1.62	47.60
1901	3.20	1.45	4.40	3.30	7.18	4.05	5.23	4.40	5.60	0.83	2.37	3.10	45.11
1902	1.52	1.10	2.58	3.68	2.50	6.25	6.90	0.93	3.70	1.46	2.79	3.56	36.97
1903	2.41	3.90	2.69	4.50	2.29	4.40	3.75	3.13	2.25	2.93	2.63	2.48	37.36
1904	5.35	3.78	7.88	6.25	3.80	3.55	5.35	3.14	1.53	1.30	......	3.16	......
1905	1.60	1.50	2.14	2.96	6.45	6.20	5.30	5.54	4.20	2.70	2.90	2.20	43.68
1906	2.10	1.55	4.48	2.75	2.40	......	......	......	6.00	......	......	3.25	......
1907	7.75	......	......	......	......	......	......	......	......	......	......	......	......
Mns	3.38	3.23	3.96	3.56	4.55	4.67	3.98	2.98	3.03	2.38	3.75	2.77	42.19

Lima, Allen County
Elevation, 875 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1882	......	......	......	......	......	......	......	......	......	......	1.59	1.70	......
1883	0.88	7.82	1.10	2.81	6.13	4.51	5.39	......	......	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1887	4.00	6.60	2.40	3.10	6.20	4.60	2.10	3.20	1.30	1.50	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1901	......	......	......	2.17	3.55	5.16	1.16	3.09	1.65	0.88	1.32	2.98	......
1902	0.28	1.16	3.53	1.03	0.87	6.70	2.81	2.11	4.38	1.93	2.18	3.49	30.47
1903	2.78	4.88	1.90	6.48	2.49	3.65	2.21	1.96	2.55	3.78	1.78	3.42	37.88
1904	6.52	2.80	8.03	5.99	2.91	2.74	5.43	2.93	2.25	2.14	0.10	3.25	45.09
1905	2.60	2.07	2.06	3.02	3.73	3.92	4.12	3.75	4.46	2.04	2.13	2.45	36.35
1906	1.25	1.27	3.88	3.25	2.97	3.16	3.14	6.04	0.48	2.65	2.84	3.74	34.67
1907	5.89	0.30	5.36	1.35	2.26	3.75	5.52	1.76	3.99	1.47	2.41	3.99	38.05
1908	1.31	4.15	6.68	4.16	4.82	2.61	2.49	1.61	0.44	0.99	1.14	2.04	32.44
1909	3.22	6.48	3.13	4.53	5.87	6.76	2.64	1.23	1.90	2.26	2.88	3.55	44.45
Mns	2.87	3.75	3.81	3.44	3.80	4.32	3.36	2.77	2.34	1.96	1.84	3.06	37.32

Little Mountain, Lake County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1867	4.40	1.95	2.10	......	6.12	1.31	5.19	1.75	1.88	4.50	2.13	6.05	......
1868	3.65	1.57	......	......	......	......	......	5.37	7.75	2.06	5.55	4.30	......
1869	1.82	4.65	4.37	3.53	4.50	5.62	7.50	3.50	8.00	6.10	......	2.57	......
1870	7.80	1.97	6.84	5.57	3.06	6.75	12.12	3.18	4.56	9.00	3.87	6.10	70.82
1871	7.47	3.30	4.08	3.05	2.85	6.00	3.60	7.70	1.20	1.90	3.10	3.80	48.05
1872	2.11	1.32	1.28	2.16	4.15	2.60	5.50	3.50	6.20	5.40	2.53	5.15	41.90
1873	3.30	3.00	6.68	5.77	3.10	6.50	8.85	3.55	3.55	4.80	3.85	6.50	59.45
1874	7.17	5.12	3.10	3.69	3.55	4.00	4.80	1.35	4.80	1.00	3.45	4.15	46.18
1875	2.00	1.95	4.25	3.95	5.70	3.90	1.00	6.20	7.70	5.55	3.00	4.40	49.60
1876	4.90	6.60	6.25	1.30	2.45	2.80	4.60	2.00	7.80	8.90	4.35	4.17	51.12
1877	4.05	0.10	4.90	2.70	1.10	3.70	1.50	4.50	2.20	3.50	2.70	3.51	34.46
1878	5.60	2.10	3.80	1.50	2.40	1.60	3.30	1.30	......	3.50	2.30	6.25	......
1879	......	1.30	3.10	2.20	0.60	3.00	1.30	3.50	4.36	0.70	4.90	4.55	....
1880	2.90	1.60	1.93	4.45	4.05	5.90	6.40	3.05	4.61	4.85	3.90	2.70	45.84
1881	2.50	2.10	2.32	2.64	0.95	6.55	1.45	0.30	4.95	7.21	......	......	......
Mns	4.26	2.58	3.93	3.27	3.18	4.30	4.79	3.38	4.97	4.23	3.51	4.59	46.99

Margaretta, Erie County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1868	2.94	0.88	5.96	4.13	6.17	13.47	0.58	5.22	3.20	1.12	2.57	0.84	47.08
1869	1.22	4.39	2.67	3.22	7.98	6.89	5.52	1.71	3.19	2.96	4.26	2.47	46.48
1870	6.80	1.12	3.55	2.27	2.17	7.24	5.28	1.72	1.83	4.64	2.95	2.48	42.05
1871	1.19	3.90	2.75	2.89	1.77	3.77	3.90	8.21	2.17	1.68	2.58	1.78	36.59
1872	0.70	0.92	1.31	12.63	4.01	2.84	10.03	4.87	3.04	2.57	0.90	1.41	44.73
1873	3.44	1.62	2.79	6.62	2.57	2.51	5.70	2.06	2.56	2.81	2.72	......	......
1874	4.88	6.09	1.40	2.28	3.59	4.06	3.61	3.27	3.43	2.28	2.60	0.69	38.18
1875	1.10	1.32	2.36	1.75	3.31	5.37	1.30	6.57	5.46	2.88	2.80	3.17	37.39
1876	2.58	4.47	5.81	1.24	5.63	2.28	3.88	4.49	5.76	2.52	1.70	1.36	41.72
1877	2.72	0.15	5.40	2.57	1.06	4.84	1.03	6.67	1.18	3.54	3.80	0.72	33.68
1878	2.17	2.49	5.02	3.03	2.68	2.36	6.28	2.74	6.01	2.83	2.31	2.82	40.74
1879	0.74	1.41	1.88	1.40	1.21	3.85	2.97	1.76	5.20	0.40	3.82	2.88	27.52
1880	2.74	1.79	2.50	3.17	4.91	1.83	5.35	4.07	2.26	2.14	1.82	0.86	33.44
1881	1.20	0.88	3.08	1.68	0.36	7.98	4.00	0.71	4.08	5.25	3.00	4.77	36.99
1882	1.40	3.17	2.45	1.89	5.35	3.61	1.63	6.64	1.63	2.16	2.89	2.14	34.96
1883	1.24	1.75	0.44	1.30	5.33	3.98	5.61	4.30	3.13	3.20	2.73	0.20	33.21
1884	1.18	4.67	2.99	1.48	3.46	2.15	5.62	1.71	3.38	1.06	0.74	2.85	31.29
1885	2.90	......	......	......	......	......	......	......	......	......	......	......	......
Mns	2.29	2.41	3.08	3.15	3.62	4.62	4.25	3.92	3.38	2.59	2.60	1.96	37.87

Napoleon, Henry County
Elevation, 680 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1885	......	......	......	......	......	......	......	3.60	3.03	2.78	2.71	2.10	......
1886	2.25	0.47	1.38	3.29	3.78	1.05	0.23	3.61	5.15	1.42	2.97	2.87	28.47
1887	1.85	5.38	1.21	1.94	2.73	3.20	1.25	1.59	1.12	2.22	3.14	2.36	27.99
1888	2.23	1.21	2.95	1.19	3.00	4.22	2.04	2.02	0.16	1.71	4.71	1.45	26.89
1889	2.12	1.21	2.09	1.60	5.05	3.98	4.95	1.47	1.70	0.98	3.02	2.27	30.44
1890	5.37	3.31	2.55	6.85	5.77	5.95	0.13	4.08	3.74	4.12	2.54	1.11	45.52
1891	1.04	3.35	3.31	3.10	1.00	6.70	3.30	4.13	1.58	1.94	4.74	1.23	35.42
1892	1.20	2.35	1.77	......	......	......	......	......	......	......	......	......	......
1893	......	......	......	5.18	2.70	1.78	2.51	1.50	1.35	3.71	3.02	2.82	......
1894	2.05	1.98	2.21	2.02	4.62	4.88	1.95	1.20	3.20	2.52	1.50	2.15	30.28
1895	2.07	0.13	0.59	1.54	2.20	1.08	1.23	1.74	2.25	0.69	3.24	4.42	21.18
1896	1.40	1.78	2.18	2.56	2.35	3.49	7.71	1.59	4.77	1.23	2.41	2.43	33.90
1897	1.60	1.95	4.05	3.04	2.27	3.75	3.84	1.32	0.46	0.67	4.57	1.81	29.33
1898	3.84	2.24	4.91	1.86	4.80	1.33	4.09	3.09	3.96	2.71	2.65	3.06	38.54
1899	1.25	2.52	4.39	1.56	2.68	1.51	5.19	0.85	3.60	2.24	1.63	3.48	30.90
1900	0.65	4.33	2.79	2.50	2.30	5.47	3.48	2.80	1.34	2.62	3.61	0.95	32.84
1901	1.58	1.25	2.51	2.01	4.03	5.10	2.98	2.53	0.64	1.73	1.27	3.02	28.65
1902	0.35	0.84	2.36	1.49	3.58	7.91	4.70	0.52	8.39	2.73	2.28	3.52	38.67
1903	1.35	4.30	1.74	4.47	2.31	4.92	4.80	5.64	2.39	1.11	1.64	1.74	36.41
1904	5.21	3.34	4.24	2.24	3.24	1.17	1.56	1.87	2.94	1.47	0.18	1.93	29.34
1905	0.78	1.27	1.21	2.99	5.82	7.34	4.93	4.06	1.76	1.56	3.82	1.67	37.21
1906	0.98	0.59	1.80	2.17	1.74	2.20	3.96	5.97	1.80	2.19	2.86	4.22	30.48
1907	5.28	0.21	4.37	1.83	4.19	4.83	4.34	2.62	5.55	2.06	1.69	3.58	40.55
1908	1.90	2.90	3.49	3.23	6.21	1.42	5.55	2.77	0.32	0.75	0.92	2.00	31.46
Mns	2.11	2.13	2.64	2.67	3.47	3.78	3.40	2.63	2.66	1.96	2.66	2.44	32.55

Medina, Medina County
Elevation, 944 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1857	......	......	1.48	4.30	3.24	6.62	6.47	1.91	1.27	3.39	4 33	5.36	......
1858	1.05	2.11	1.73	4.50	7.02	3.59	7.47	3.02	1 27	......	2.50	1.98	......
1859	1.37	1 20	1.50	2.67	1.54	2.25	1.10	4.83	2.74	1.92	4.54	3.21	28.87
1860	1.72	0.80	1.04	5.49	2.71	1.86	4.22	2.58	3.10	3.41	1.69	2.02	30.64
1861	1.58	1.57	1.99	4.01	3 14	1.99	3.34	2.56	2 16	2.12	2.90	1.10	28.46
1862	3 42	1 79	3.27	2.56	3.64	4.04	3.05	0.51	1 16	2.93	3.13	3 95	33.45
1863	5.28	3.06	2 96	0.74	1.80	1.85	1.30	2.75	2.38	2.07	......	....	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1884	......	......	......	0.81	3.15	2.20	4.13	2.23	4.03	2.52	....	3.07	......
1885	2.64	0.87	1 17	2.59	4.59	5.35	4.06	7.52	2.17	3.48	2.86	1.01	38.31
1886	3.94	0.61	3 44	3.82	2.58	3.34	3.93	3 32	2 83	0.96	3.90	......	.....
1887	1.76	6.04	2.05	2.96	2.34	4.43	0.92	1.43	2.26	1.37	3.19	2.32	31.07
1888	1.73	1.46	2.62	2.56	4.85	4.80	4.08	4.69	4.33	3 47	4 28	1.43	40.30
1889	2.86	1.71	2 47	3.13	3.61	5.19	3.23	1.64	4.14	1.73	2.59	3.86	36.16
1890	3.92	4.93	4.60	4.13	6.14	3.85	2.03	5.52	5.31	5.77	3.49	2.90	52.59
1891	1.95	5.04	2.47	0.48	2.30	4.79	4.09	2.44	1.25	1.31	5.03	2.35	33.50
1892	2.20	2.14	1.94	2.89	6.75	7.25	4.24	4.03	1.57	1.17	3.04	1.35	38.57
1893	4.35	3.43	1.38	3.53	5 69	1.17	3.14	2.82	1.05	4.12	2.18	2.80	35.61
1894	1.86	2.69	2.56	1.85	5.29	2.71	1.39	0.60	5.35	2.50	2.88	2.09	31.77
1895	2.92	0.54	1.47	1.75	2.20	1.87	2.30	4.21	1.89	1.35	4.87	4.15	29.52
1896	1.51	3 21	3.07	4.00	1.71	4.54	8.46	2.60	4.37	0.83	1.95	2.38	38.63
1897	2 27	2.20	5.25	2.16	7.17	2.66	4.04	2.78	1.14	0.77	5 99	1.86	38.29
1898	4.27	2.44	4.47	2.42	3.05	1.71	3.85	5.96	2.97	4.33	3.01	3.76	42.24
1899	3.60	1.73	4 00	1.88	6.03	1.06	2.51	1.68	3 68	2.81	1.57	3.48	34.03
1900	2.22	3.04	2.28	1.85	1.15	2.55	5.48	3.21	3.51	2.83	4.00	0.96	33.08
1901	1.63	0.98	3.70	3.59	5.74	4.39	4.11	2.95	3.67	0.59	2.38	3.92	37.75
1902	2.50	0.93	2.21	2.87	3.02	8.05	6.84	1.99	5.10	2.06	2.09	3.53	41.19
1903	2.31	4 11	2.26	4.51	1.53	4.37	6.20	4.66	1.34	2.95	2.61	1.55	38.40
1904	4.88	2.86	4.61	3.83	3.78	2.14	5.08	3.70	2.93	1.06	1.15	2.61	38.63
1905	1.66	1.62	2.67	3.81	4.61	2.61	6.75	5.67	3.58	3.17	2.40	1 53	40.08
1906	1.54	1.47	2.97	1.53	1 96	2.64	4.37	4.09	3.48	4 06	2.37	4.15	34.63
1907	5.25	0.61	4.83	3.04	3.52	4.47	1.90	2.25	3.55	4.22	1.82	3.04	38.50
1908	1.85	3.14	5.98	4.23	4.03	2.81	2.95	2.40	1.53	1.15	0.91	2.67	33.65
Mns	2.67	2.28	2.85	2.96	3.68	3.54	3.97	3.20	2.85	2.47	2.99	2.68	36.14

Note—Values for 1884 to 1894 are for Weymouth, about five miles northeast of Medina.

New Waterford, Columbiana County
Elevation, 1,053 feet

1855	1.90	1.00	2.10	1.10	3.00	.....	.....	....	.....	.....	.....	.....	.....
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1858	0.55	3.30	1.08	4.12	7.44	4.76	4.12	3.84	1.30	3.01	3.48	5.45	42.45
1859	1 49	4.02	3.30	4.56	1.37	3 11	2.85	3.38	4.62	3.13	3 96	4.89	40.18
1860	......	......	......	......	......	......	......	......	......	......	......	......	......
1861	2.17	1.44	1 69	2.71	3.00	2 75	2.02	9.59	2.68	1.84	4.05	1.34	35.28
1862	4.71	2.57	3.04	2.70	2.16	3.35	1.38	0.18	1.07	1.22	2.92	3.46	28.76
1863	......	2.41	3.18	0.88	1.41	2.98	2.15	1.89	2.44	2.98	1.04	3.83	......
1864	1.72	1 34	2.96	2 21	2.24	0.93	1.87	4.74	5.97	2.18	1.63	2.32	30.11
1865	3.50	2.03	5.44	3.72	2.26	6.27	3.70	2.79	6.75	1.15	1.04	2.72	41.37
1866	1.33	1.88	4.75	2.78	1.46	11.19	4.10	3.42	7.68	2.22	2.56	3.62	46.99
1867	3.59	2.70	4.91	3.99	4.88	3.45	3.13	3.53	0.21	2.74	1.15	2.90	37.18
1868	2.69	1.55	3.14	2.84	4.53	1.85	4.80	2.88	2.38	1.24	2.58	2.21	32.69
1869	3.44	1.89	4.12	......	.....	......	.....	......	......	......	....	......	......
1870	......	3.10	4.09	......	.....	.....	.....	.....	.....	.....	......	2.73	......
1871	......	......	2.39	1.53	2.08	4.77	6.43	......	......	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1894	......	......	......	......	......	......	......	0 58	4 27	2.20	1.98	3.49	......
1895	6.90	0.54	0.90	1.76	1.44	2.39	3.36	5.00	1.52	1.42	3.50	5.50	34.23
1896	1.74	3.07	3.18	4.52	1.98	8.09	8.11	3.24	4.46	1.39	1.54	2.46	43.73
1897	1.88	4.81	4.02	3.40	2.60	4.10	8.88	2.09	1.59	0.21	5.72	4.49	43.79
1898	6.43	3.30	6.10	1.83	4.18	5.57	3.70	6.50	1.95	3.82	4.34	3.48	51.20
1899	2 68	2.67	4.15	1.61	5.69	3.20	3.44	2.08	4 09	1.85	1 96	3.36	36.78
1900	2.24	3.75	2.84	1.42	2.94	3.58	7.69	3.83	1.52	2.11	5.71	2.13	39.76
1901	2.12	1.20	3.99	6.96	4.58	4.21	2.65	7.21	3.85	0.29	3.51	3.24	43.81
1902	3 05	1.85	3.22	2.26	3.15	6.05	5.53	2.30	2.09	2.74	1 84	6.11	40.18
1903	2.61	5.42	5.34	2.87	2.20	6.51	4.07	5.72	0.32	3.43	2.25	2.41	43.15
1904	4.40	3.98	4.39	5 72	3.71	5.23	3.70	3.53	0.72	0.95	0.68	3.21	40.22
1905	1 25	0 69	3.25	2.68	3.79	6 31	4.21	3.30	3.20	3.11	2 29	2.38	36.46
1906	1.84	1 23	3.86	2.42	2.16	3.36	4.17	5.44	2.89	3.06	2.42	3.73	36 58
1907	5.63	1.66	6.90	4.08	3.50	3.92	3.12	1.77	3 77	1.91	1.71	2.85	40.82
1908	2 07	3.00	5.78	3.08	5.24	2.91	2.25	2 73	0 04	2.51	1.52	3.17	34.30
Mns	2.88	2.46	3.72	2.99	3.19	4.43	4.06	3.66	2.86	2.11	2.62	3.35	38.33

Note—Values for 1855 to 1871 are for New Lisbon, about nine miles southwest of New Waterford.

Strongsville, Cuyahoga County

1892	......	......	......	......	......	......	......	......	......	1.62	2.26	1.06	......
1893	1 44	3.62	2.35	3 92	11.17	1.13	......	......	......	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1896	......	......	....	4.67	1.28	9 65	7.95	1.60	5.97	0.73	1.96	2 96	......
1897	1.79	2 19	3.17	3.88	5.99	1.88	5.56	3.25	1.13	0.87	7.02	1.94	38.67
1898	4 55	3.07	4.62	2.37	3 43	5.60	4.25	5.64	2.72	5.59	3.36	6.04	51.24
1899	3.65	1.97	4.50	3.11	5.58	2.10	5.75	0.61	3.14	2.86	1.55	4.81	39.63
1900	3 02	4.08	2.46	2.22	1.85	1.36	4.73	2.49	3.56	2.22	4.91	0.94	33.84
1901	2.23	1.60	4.00	4.06	5.14	3.82	3.15	7.46	5.51	0.47	2.11	4.64	44.19
1902	1 44	0.90	2.74	2 91	4.29	9.34	7 39	4.52	5.58	3.08	2.35	2.81	47.30
1903	1.47	4.00	3 18	6.63	1.45	3.78	6.49	8.70	1.88	3.09	2.90	2.00	45.57
Mns	2 45	2.70	3.88	3.75	4.46	4.30	5.66	4.28	3.69	2.28	3.16	3.02	43.13

Montpelier, Williams County
Elevation, 880 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1891	......	......	3.63	2.71	1.91	2.28	1.60	3.91	0.65	0.92	5.73	1.93	.....
1892	1.54	......	3.58	3.40	10.23	3.62	3.15	1.81	5.79	0.17	5 32	1.74	......
1893	2.14	3.74	1.57	6.04	3.14	4.24	2.02	0.35	1.69	3.07	3.88	4.38	36.26
1894	1.36	3.20	2.63	2.46	5.11	1.55	0.70	1.19	5.13	2.64	1.88	1.80	29.15
1395	2.79	0.75	0.73	1.61	2.19	1.02	1.88	4.52	1.47	0.89	4.74	5.57	27.66
1896	1.65	1.65	1.89	6.87	3.20	3.49	10.62	6.39	5.15	1.09	2.33	1.67	46.00
1897	2.53	1.65	4.26	3.51	2.67	4.04	2.46	1.31	0.87	0.35	4.06	2.66	30.87
1898	3.72	1.95	5.79	1 18	4.31	2.74	5.46	1.38	3.46	3.22	3.16	2.55	38.92
1899	2.09	2.01	3.41	1.92	3 65	2.05	3 95	2.81	2.47	4.50	2.09	3.10	34.05
1900	0.96	4.44	2.39	2.23	2.09	6 61	6.35	2.16	1.63	3.62	3.92	0.57	36.97
1901	3.30	1.70	2.44	2.82	3.52	4.01	5.07	2.45	0.82	4.09	1.[illegible]	3.10	35.03
1902	0.89	0.86	3.38	1.23	5.68	9.77	4.82	1.28	5.57	1.64	2.83	3.57	41.52
1903	1 91	3.11	1.66	5.86	4.00	3.29	5.23	5.39	1.41	2.06	2.30	2.98	39.20
1904	4.16	4.39	4.81	3.34	4.56	3.30	3.62	4.02	4.47	2.05	0.20	2.09	41.01
1905	1.51	1.70	1.60	3.71	6.90	5.29	3.62	4.44	2.28	3.25	2.52	2.32	39.14
1906	......	0.95	2.11	1.95	2.69	5.21	......	......	......	......	......	......	......
1907	......	......	......	2.15	4.79	4.26	4.84	2.21	6.80	3.89	2.07	4.89	......
1908	1.70	5.64	3.21	2.21	6.69	2.09	2.61	2.78	0.94	0.88	1.02	1.60	31.37
Mns	2.15	2.52	2.89	3.07	4.30	3.83	3.97	2.85	2.98	2.25	2.93	2.71	36 45

New Berlin, Stark County
Elevation, 1,100 feet

1892	......	......	......	......	......	......	.....	3.05	2.44	0.79	1.38	0.94	......
1893	0.94	2.53	1.86	4.61	4.35	1.83	1.83	2.50	1.43	3.72	1.18	3.49	30.22
1894	1.62	1.81	1.68	2.33	4.49	1.16	1.72	0.18	2.88	1.72	2.41	2.14	24.09
1895	3.77	0.60	1.66	2.19	1.28	3.40	2.81	5.48	1.90	1.28	3.40	4.04	31.81
1896	1.65	2.06	1.94	5.47	1.97	6.15	7.42	2.78	4.85	0.75	2.04	2 58	39.66
1897	1.37	2.32	3.57	2.45	8.95	2.37	7.55	2.39	1.56	0.50	5.82	1.82	35.67
1898	3.82	2.16	5.39	1.90	4.86	3.07	4.84	6.78	2.45	4.61	3.57	2.28	45.73
1899	2.13	1.49	3.78	2.13	6.71	2.61	3.45	1.49	3.26	2.22	1.54	2.27	33.08
1900	1.54	2.79	2.49	1.70	2.92	2.05	5.13	3.40	2.12	1.86	3.70	1.08	30.78
1901	1.54	1.30	3.57	5.16	3.94	3.23	3.43	2.07	5.06	0.64	2.00	3.61	35.55
1902	1.20	0.93	2.16	2.59	3 20	6.95	6.36	2.56	3.46	1.58	2.07	3.82	36.88
1903	2.32	3.02	3.51	4.33	1.54	3.64	3.13	6.31	0.92	3.46	2.52	2.04	36.74
1904	4.69	3.19	4.83	5.79	4.02	2.49	3.70	4.40	1.14	1.45	0.73	2.15	38.58
1905	1.63	1.35	3.27	3.07	4.52	9.20	5.02	5.96	3.98	2.88	2.10	1.81	44.69
1906	1.05	0.64	3.17	1.73	2.57	2.88	5.48	4.30	3.92	4.00	2.19	3.67	35.60
1907	5.49	0.81	5.10	3.03	2.81	4.96	3.74	1.81	2.20	2.48	1.67	2.88	36.48
1908	1.92	1.93	5 54	4.50	3.88	1.68	2.69	3.16	0.86	0.68	1.10	2.84	30.78
Mns	2.29	1.81	3.34	3.31	3.56	3.60	4.27	3.45	2.61	2.03	2.31	2.53	35.11

North Royalton, Cuyahoga County
Elevation, 1,000 feet

1892	.....	.....	......	......	......	......	......	4.31	1.54	1.19	2.26	1.27	......
1893	1.70	4.58	3.10	4.47	10.68	1.77	2.56	4.89	0.77	4.47	1.78	3.14	43.91
1894	2.63	2.34	1.76	2.14	4.23	2.67	1.51	0.71	5.31	2.71	1.61	2.72	30.34
1895	3 03	1.42	1.61	1.59	2.25	4.01	2.24	5.19	1.19	1.17	4.50	3.79	31.99
1896	1.53	3.39	2.83	3.52	1.52	8.51	6.53	3.47	5.40	1.50	2.54	1.91	42.15
1897	2.34	1.66	4.10	2.29	6.28	1.91	3.08	4.67	0.50	0.62	5.28	2.21	34.94
1898	4.33	2.26	3.96	2.02	2.95	3.62	3.39	4.27	2.82	4.66	3.44	2.63	40.35
1899	2.73	1.53	2.65	1.87	5.33	1.22	3.77	0.72	3.68	2.52	1.27	3.43	30 72
1900	2.80	3.02	1.75	1.31	1.53	2.20	5.32	3.71	3.71	2.50	3.72	1.22	32.79
1901	1.25	1.85	3.44	2.81	5.98	3.61	4.12	3.37	4.55	0.52	2.67	3.99	38.16
1902	3.20	0.46	2.59	1.96	3.02	8.22	7.95	3.03	4.64	2.10	2.11	3.69	42.97
1903	2.48	4.33	2.00	5 30	1.43	4.42	7.28	7.49	2.40	3.10	3.54	2.49	46.26
1904	5.68	3.71	5.16	2.79	5.20	1.72	6.29	2.91	2.09	1.27	1.03	1.65	39 50
1905	1.64	1.20	2.20	3.66	4.63	2.08	6.16	4.08	3.18	2.77	2.72	1.35	35.67
1906	2.75	2.40	5 42	1.61	1.31	2.24	4.99	4.97	3.50	5.04	3.16	4.71	42.10
1907	5.45	0.77	6.30	3 01	3.54	4.95	2.65	1.35	3.43	4.88	1.80	3.59	41.22
1908	2.27	4.00	5.35	3.47	3.02	2.68	3.38	2.18	0.98	1.21	1.12	3.34	33.00
Mns	2.86	2.43	3.36	2.74	3.93	3.49	4.45	3.61	2.92	2.45	2 62	2 77	37.63

Orangeville, Trumbull County
Elevation, 945 feet

1889	3.20	1.30	2.60	2.60	2.70	3.35	1.80	1.80	3.80	2.30	1.96	2.85	30.25
1890	4.30	4.20	2.60	3.15	7.70	2.85	1.80	3.90	5.05	5.50	2.55	2.75	46.35
1891	2.05	5.15	3.35	1.50	1.95	3.00	2.55	1.15	2.05	1.20	3.45	2.50	29.90
1892	2.55	2.80	3.10	1.55	6.95	5.90	2.35	2.70	2.90	0.95	2.30	1.05	35 10
1893	2.90	5.55	3.10	4.45	7.00	2.20	2.20	2.80	......	......	1.50	3.15	......
1894	2.20	1.60	2.05	3.05	2.05	0.45	2.40	0.77	5.70	1.35	1.55	1.80	24.97
1895	3.75	0.40	0.60	0.95	1.80	3.55	1.90	3.35	3.00	1.08	3.25	4.15	27.73
1896	1.35	3.00	2.35	2.35	2 10	5.52	3.60	1.75	3.60	0.63	1.75	1.95	29.95
1897	1.84	2.10	3.80	2.08	4.00	3 17	8 07	3.88	1.17	0.18	5.61	2.46	38.36
1898	4.06	2.25	4.49	1.68	3.09	2.55	2.53	5.01	3.10	3.85	3.15	2.20	37.96
1899	2 05	1 35	3.30	0.92	4.16	3.25	1.55	2.60	2.47	1.56	0.75	2.90	26.85
1900	2.22	2.30	2.29	0.45	2 95	1.50	3.93	1.15	1.10	1.40	3.27	1.20	23.76
1901	1.21	1.20	3.10	3 50	4.07	2.32	2.75	2.03	4.85	0.30	2.88	3.50	31 71
1902	1 55	0.90	2.02	3.05	3.42	4.48	6.28	0.46	2.17	0.97	1.40	3.55	30.25
1903	1.93	3.22	4.67	4.28	1.31	5.72	6.87	6.34	1.89	2.82	2.88	2.92	44.85
1904	4.34	4.33	2.96	3.75	4.15	2.83	5.36	4.07	1.95	1.23	1.10	1.45	37.52
1905	1.62	0.50	2.48	2.16	3.52	5.11	6.99	4.70	3.49	3.68	2.03	1.70	37.98
1906	1.55	0 85	3.20	2.05	2.10	2.01	2.56	3.25	2.54	3.27	1.59	2.15	27.12
1907	2.46	0.75	2.88	......	......	......	......	......	......	......	2.00	2.36	......
1908	2.58	4.65	2.77	4.34	3.33	2.32	8.01	2.11	2.14	1.23	1.58	3.65	38.71
Mns	2.49	2.42	2.88	2.52	3.60	3.27	3.87	2.83	2.94	1.86	2.33	2.51	33.52

Norwalk, Huron County
Elevation, 719 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1854	....	....	....	....	....	....	....	....	....	2.94	1.40	1.56	....
1855	2.64	....	....	....	....	....	....	....	....	....	....	....	....
....													
1861	....	....	....	....	....	1.48	3.97	3.74	1.36	3.56	2.63	0.68	....
1862	3.53	3.00	3.69	3.43	4.09	4.79	3.37	2.43	....	3.24	2.86	3.52	....
1863	6.07	2.54	1.46	....	2.20	0.94	2.10	2.80	1.24	2.21	3.32	2.35	....
1864	2.53	0.35	1.62	1.96	2.63	3.04	3.53	4.98	5.11	2.84	2.98	1.13	32.70
1865	1.17	1.40	2.15	2.61	2.78	4.08	4.77	2.55	5.30	2.03	0.50	2.81	32.15
1866	1.73	2.17	3.36	2.38	3.22	6.22	7.06	....	....	2.27	3.10	2.25	....
1867	1.64	1.70	1.62	2.63	2.39	1.45	2.89	0.41	0.18	1.63	1.20	3.09	20.83
1868	0.94	0.84	3.57	1.69	3.62	3.82	....	4.24	2.17	0.31	1.94	0.90	....
....													
1878	....	....	....	....	....	....	....	2.29	6.00	2.72	2.10	4.15	....
1879	1.21	....	....	1.13	1.97	6.26	4.07	3.04	2.77	0.44	4.51	3.70	....
1880	3.22	2.75	2.05	4.18	4.12	2.78	2.90	4.39	3.44	....	....	....	....
....													
1894	2.10	2.50	1.72	2.23	4.37	2.96	2.25	0.80	3.04	3.40	2.90	2.35	30.62
1895	2.85	0.80	1.60	2.35	1.40	2.36	2.88	4.13	0.37	2.05	5.55	4.05	30.39
1896	0.97	2.70	3.95	3.35	1.35	2.10	7.26	2.00	4.65	0.97	1.00	1.50	31.80
1897	1.80	0.60	3.44	2.37	3.19	2.71	5.28	1.14	0.66	0.52	6.55	1.18	29.44
1898	4.14	2.85	3.51	2.14	2.83	2.65	4.77	4.19	3.13	5.02	2.95	1.69	39.87
1899	3.63	1.94	5.42	0.77	6.32	2.66	3.97	1.39	1.33	2.30	1.66	3.15	34.54
1900	2.18	4.74	1.77	2.57	3.08	3.69	7.27	6.94	1.82	1.39	4.31	1.21	40.47
1901	2.12	1.86	2.56	1.88	5.46	3.32	2.48	3.53	2.35	0.58	1.49	3.46	31.09
1902	0.84	0.60	3.35	1.66	3.46	9.97	6.25	0.48	6.97	2.19	2.29	3.64	41.70
1903	3.02	5.32	2.62	4.18	1.98	3.34	5.94	3.52	1.82	2.81	1.64	2.63	38.82
1904	4.98	2.90	5.73	3.68	3.87	2.35	7.12	3.76	3.03	2.54	0.17	3.94	44.02
1905	2.08	1.86	1.92	3.37	6.03	4.71	6.14	3.73	2.65	3.01	3.20	1.75	40.45
1906	1.22	1.17	3.56	2.18	1.98	2.19	4.75	8.12	1.71	3.91	3.30	4.20	38.24
1907	4.87	0.46	4.40	1.31	2.90	4.40	2.47	1.05	4.93	2.84	1.55	3.67	34.85
1908	1.65	3.82	3.96	2.52	3.97	2.16	3.88	2.18	0.35	1.11	0.52	2.25	28.37
Mns	2.52	2.12	3.00	2.46	3.30	3.46	4.47	3.11	2.74	2.26	2.52	2.57	34.53

Ottawa, Putnam County
Elevation, 720 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1888	....	....	....	....	....	....	....	1.06	1.23	2.22	4.80	1.41	....
1889	1.94	0.84	2.53	2.04	4.59	3.40	1.74	1.06	1.66	0.67	2.53	2.64	25.64
1890	4.24	3.70	4.45	5.07	5.67	3.16	1.67	2.74	2.80	3.47	4.11	1.65	42.73
1891	1.90	....	4.12	....	2.45	....	....	....	....	....	....	....	....
1892	....	2.54	3.65	4.22	10.16	5.03	3.88	2.56	2.46	0.72	2.82	1.28	....
1893	1.91	3.49	2.02	6.09	3.44	3.61	3.47	2.12	1.16	3.70	3.01	....	....
1894	....	2.97	2.30	1.36	4.18	3.54	0.93	1.49	8.75	2.87	2.51	2.15	....
1895	3.07	0.42	0.81	1.81	1.51	1.47	1.28	2.88	1.42	0.69	5.54	4.05	24.95
1896	1.57	1.84	3.41	2.67	1.88	5.09	7.83	3.55	4.47	0.49	1.76	2.72	37.28
1897	3.38	1.43	3.90	3.70	4.00	3.63	2.25	3.28	0.63	0.44	5.61	1.53	33.78
1898	4.23	2.34	3.96	2.26	5.26	2.44	3.85	3.75	3.33	3.71	2.66	2.48	40.27
1899	2.84	1.58	4.52	1.45	2.94	1.65	3.25	2.85	1.86	2.36	1.88	3.26	30.44
1900	1.42	4.55	1.67	2.21	2.00	2.89	3.88	3.16	1.11	2.03	3.37	1.05	29.84
1901	1.64	1.26	2.60	2.34	4.32	2.46	3.32	2.61	1.61	0.59	1.64	3.25	27.64
1902	0.43	0.37	3.58	1.86	3.01	5.79	3.99	1.83	5.31	2.24	2.55	2.80	33.76
1903	2.23	4.35	2.00	5.65	4.69	3.63	3.87	3.88	2.76	2.91	2.16	1.82	39.95
1904	4.49	2.73	6.37	3.91	3.67	2.43	5.70	2.16	2.08	1.82	0.14	2.65	38.15
1905	1.76	1.81	1.38	3.60	6.06	3.77	4.14	3.65	3.57	2.52	2.33	1.91	36.50
1906	1.04	0.80	2.57	2.29	1.52	3.01	3.36	4.11	3.84	3.50	3.65	4.15	33.84
1907	5.49	0.35	5.03	1.48	3.14	4.89	4.65	1.96	3.46	2.03	2.53	4.29	39.30
1908	1.56	3.85	3.66	2.99	3.41	2.81	6.24	1.92	0.32	1.12	0.94	0.93	29.75
Mns	2.51	2.17	3.23	3.00	3.90	3.41	3.65	2.63	2.44	2.00	2.83	2.42	34.19

Note—Values from June, 1890, to September, 1894, are for Leipsic, about seven miles northeast of Ottawa.

Perry, Lake County
Elevation, 712 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1855	....	2.89	....	3.34	6.88	6.75	....	....	3.59	7.78	6.75	4.77	....
1856	3.12	....	1.02	3.08	3.88	4.50	2.37	2.25	1.25	4.03	4.75	....	....
1857	1.92	4.44	0.80	4.78	5.00	7.25	6.07	3.26	....	....	8.40	2.78	....
1858	1.71	1.33	2.53	7.00	10.66	6.54	7.13	4.31	4.10	6.21	8.28	....	....
1859	2.31	3.46	6.50	5.98	3.90	4.25	2.75	4.88	4.63	4.00	5.25	3.25	51.16
1860	2.00	1.50	2.65	6.25	3.00	1.50	4.62	7.00	5.50	5.75	6.00	2.20	47.97
1861	2.72	1.45	3.60	4.00	3.00	2.25	2.50	7.25	6.75	4.12	6.24	2.65	46.53
1862	3.80	4.22	3.50	2.62	1.12	5.00	2.50	1.12	2.87	2.55	3.94	3.69	36.93
1863	....	2.42	....	....	....	....	....	....	....	....	....	....	....
....													
1890	....	....	....	....	....	....	....	....	4.20	7.74	3.66	1.86	....
1891	1.90	3.52	2.35	1.57	2.03	4.21	1.47	2.28	3.53	1.48	5.02	1.84	31.20
1892	0.59	1.73	2.98	1.26	10.26	7.64	2.07	3.48	4.54	2.04	3.03	3.05	42.67
1893	2.95	7.26	2.93	4.99	12.47	1.34	1.47	4.11	0.85	4.94	3.82	5.35	52.48
1894	3.20	3.50	3.17	3.71	4.53	3.62	2.15	0.55	4.39	4.54	2.81	1.77	37.94
1895	3.05	1.80	0.17	2.12	1.85	1.75	2.16	2.80	4.32	2.66	....	....	....
1896	....	3.06	4.66	3.67	1.91	5.31	6.15	2.27	4.64	1.88	2.93	2.02	....
1897	2.67	3.02	2.51	2.76	3.62	0.99	3.15	6.76	0.50	0.79	5.99	1.92	34.68
1898	2.76	2.62	5.15	2.21	2.39	2.20	2.83	6.61	3.77	3.39	4.30	2.40	40.63
1899	2.82	2.51	3.64	1.20	6.25	3.39	3.87	0.75	5.00	2.08	1.40	5.14	38.05
1900	4.18	3.32	1.69	1.75	1.20	2.16	5.93	2.00	1.62	2.11	4.87	1.78	32.61
1901	....	....	3.60	....	....	....	....	....	....	....	....	....	....
Mns	2.61	3.00	2.97	3.46	4.66	3.92	3.48	3.63	3.67	3.78	4.86	2.90	42.94

Note—Values for April, 1855, to August, 1856, are for Unionville, about seven miles east of Perry; from September, 1856, to February, 1863, for Madison Lake, about five miles east of Perry; and from 1890 to 1895 for Wheeler, about five miles southeast of Perry.

Oberlin, Lorain County
Elevation, 855 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1854	0.96	3.15	2.96	4.27	3.48	1.95	2.44	1.07	0.65	3.43	1.63	2.03	28.02
1855	2.45	1.36	1.44	4.93	2.05	10.65	3.59	6.72	4.52	3.55	4.31	2.49	48.06
1856	0.92	0.96	0.35	0.97	4.14	3.07	1.15	2.21	3.70	1.44	2.14	....	....
1857	....	....	0.80	1.90	3.72	7.23	5.04	....	....	....	0.36	....	....
....													
1870	....	....	3.42	2.10	1.40	1.25	8.90	1.55	2.55	3.35	2.60	2.35	....
1871	1.35	1.20	2.45	1.20	1.10	4.35	1.50	....	0.30	0.48	2.05	1.63	....
1872	0.80	1.25	1.65	1.60	....	....	....	....	2.90	3.70	0.83	2.55	....
1873	2.80	1.37	2.60	5.05	1.15	5.15	4.95	....	....	....	....	....	....
1874	....	2.15	1.33	2.35	2.30	....	....	....	....	....	....	....	....
....													
1879	....	....	....	....	....	....	3.08	1.96	2.74	0.71	....	....	....
....													
1882	....	....	....	....	....	....	....	....	....	....	2.88	1.50	....
1883	1.58	6.47	1.03	1.86	6.55	3.40	5.92	1.15	4.97	3.33	2.96	2.12	41.34
1884	1.61	4.58	2.95	1.14	4.28	4.34	3.35	1.60	1.41	1.24	0.93	2.36	29.79
1885	1.42	0.61	1.52	5.26	4.77	4.33	3.56	4.03	2.52	1.79	2.88	1.30	33.99
1886	4.00	1.31	0.81	....	1.99	1.96	3.28	2.71	1.77	1.00	....	4.34	....
1887	2.00	3.05	1.55	1.13	3.74	5.59	0.61	2.24	2.20	0.63	1.79	1.11	25.64
1888	2.05	1.15	2.59	1.44	3.60	3.64	3.64	2.10	2.48	2.63	2.55	1.21	29.08
1889	2.00	1.53	3.19	0.49	4.46	1.37	2.18	1.73	4.46	1.16	2.42	3.55	28.54
1890	3.51	4.46	4.14	3.73	5.90	3.26	4.32	2.88	3.78	5.34	2.86	1.73	45.91
1891	1.88	4.35	2.70	1.46	2.55	5.98	2.87	1.25	2.98	1.53	5.34	2.06	34.95
1892	2.76	2.87	2.92	3.83	6.46	5.38	5.12	3.63	3.07	1.03	2.35	1.91	41.33
1893	4.30	5.28	1.87	5.10	7.21	1.64	2.36	1.75	1.42	4.25	2.30	1.03	38.51
1894	2.08	1.72	1.41	2.55	4.12	2.99	0.84	0.34	1.58	3.30	2.64	1.44	25.01
1895	2.82	0.51	0.26	2.10	2.02	2.44	0.75	3.64	1.87	1.95	6.35	2.15	26.86
1896	0.60	2.28	1.38	2.72	1.70	1.80	7.35	2.09	4.45	0.67	1.34	1.03	27.41
1897	1.94	0.65	3.67	2.00	5.00	1.61	2.12	1.98	0.73	0.60	7.89	1.99	30.18
1898	3.60	2.25	3.56	2.41	3.40	4.03	4.71	4.22	3.27	5.48	2.93	2.89	42.75
1899	2.80	1.79	4.67	1.35	4.44	1.46	5.32	1.18	2.57	2.51	1.67	2.64	32.40
1900	2.20	3.04	1.77	1.44	2.27	3.92	5.97	2.98	3.00	1.00	3.04	0.75	31.38
1901	1.20	1.57	2.80	2.81	3.98	3.15	2.45	2.51	1.57	0.45	2.36	3.24	28.09
1902	1.36	1.51	2.68	2.58	3.39	9.15	6.65	1.16	3.97	2.40	2.33	3.17	40.35
1903	1.89	4.38	2.33	5.63	1.99	3.43	5.97	5.07	1.27	3.06	2.48	1.67	39.17
1904	4.65	2.99	4.22	2.68	4.20	2.07	6.76	5.57	2.18	1.59	0.46	2.75	40.12
1905	1.64	1.30	1.92	3.70	4.35	3.06	3.05	3.82	1.61	1.77	2.09	1.63	29.94
1906	1.10	1.76	3.10	1.16	2.63	1.27	3.69	5.16	2.59	4.25	2.72	3.65	33.08
1907	4.81	0.59	3.65	2.52	3.63	4.11	2.32	0.94	3.94	3.78	0.72	3.41	34.42
1908	1.99	4.08	3.66	3.36	3.05	2.19	2.42	1.44	0.43	1.03	0.65	2.08	26.33
Mns	2.22	2.35	2.38	2.61	3.56	3.37	3.77	2.60	2.53	2.26	2.51	2.18	32.34

Rittman, Wayne County
Elevation, 990 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1861	3.20	2.13	2.67	2.06	3.15	0.78	1.72	4.57	3.40	....	....	....	....
1862	....	....	....	....	....	....	....	3.16	....	3.46	2.05	2.04	....
....													
1892	....	....	....	....	....	....	....	3.27	2.14	1.01	1.54	0.96	....
1893	2.21	5.32	2.56	5.42	6.26	0.61	2.03	1.52	1.11	5.98	2.20	2.38	37.60
1894	2.20	3.82	2.32	2.44	5.20	3.23	2.49	0.41	3.04	2.37	3.15	2.48	32.60
1895	3.65	0.57	2.37	1.80	0.97	2.68	2.84	4.06	3.11	1.31	3.93	3.88	31.17
1896	1.84	1.93	2.66	3.76	2.92	2.37	8.70	2.85	5.84	0.70	2.20	3.85	39.62
1897	1.64	1.71	2.85	1.44	5.19	2.42	4.79	5.07	0.52	1.38	6.85	1.96	35.82
1898	4.16	2.49	5.78	3.06	4.23	3.83	2.64	3.26	2.88	4.64	4.49	1.78	43.24
1899	3.38	1.10	3.37	1.80	5.01	1.04	5.57	2.42	4.66	2.36	2.14	2.66	35.51
1900	2.16	3.59	2.40	1.81	1.15	2.41	6.62	4.27	3.17	2.40	6.74	1.80	38.52
1901	2.28	1.38	5.20	3.57	5.79	4.76	2.79	3.81	4.78	0.92	3.03	3.62	41.93
1902	0.85	0.58	3.20	2.99	3.70	7.25	7.50	0.99	7.74	1.06	3.19	3.63	42.68
1903	2.49	6.90	3.35	5.10	1.80	4.84	4.39	4.34	1.83	2.60	2.14	1.30	41.08
1904	5.42	4.20	2.58	4.55	3.69	0.67	4.87	3.38	2.48	1.01	0.89	1.60	35.34
1905	1.51	0.54	1.79	1.68	5.25	5.87	4.98	2.60	4.61	2.07	1.85	1.67	34.42
1906	1.20	1.61	3.27	1.80	1.61	3.40	6.89	4.98	2.61	3.82	2.19	3.71	37.09
1907	6.42	0.51	4.23	1.43	2.15	6.39	3.00	0.80	2.98	3.28	1.70	3.14	35.98
1908	1.79	3.89	5.87	3.54	4.78	3.67	4.18	2.61	0.44	1.15	0.72	3.88	36.52
Mns	2.73	2.46	3.32	2.84	3.70	3.31	4.47	3.07	3.18	2.31	2.83	2.57	36.79

Note—Values for 1861 and 1862 are for Seville, about four miles northwest of Rittman.

Rocky Ridge, Ottawa County
Elevation, 590 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1894	....	....	....	....	....	....	0.11	0.59	4.70	2.22	2.12	2.32	....
1895	2.11	0.35	0.63	1.99	1.27	2.09	2.00	2.20	1.51	1.58	5.64	4.46	25.83
1896	1.50	2.30	2.57	3.40	1.82	1.44	6.90	1.60	4.89	0.95	2.02	1.55	30.94
1897	0.95	1.02	3.38	2.72	3.16	3.03	3.08	2.73	0.70	1.93	6.78	1.94	31.42
1898	4.14	2.45	4.79	2.14	3.66	4.00	2.85	6.17	3.85	3.37	3.25	2.73	43.40
1899	2.53	1.80	4.50	0.46	5.19	2.05	2.85	0.82	2.20	2.03	2.37	2.90	29.70
1900	1.61	5.20	3.73	2.21	2.52	4.26	4.23	2.42	0.83	1.77	3.52	0.81	33.11
1901	1.53	1.82	2.89	2.29	4.91	3.65	2.26	4.16	1.18	0.97	2.03	4.29	31.98
1902	0.47	0.23	2.70	1.03	8.92	7.47	5.19	0.54	8.77	2.62	2.35	4.05	44.34
1903	1.39	4.43	2.07	4.37	1.81	4.11	4.19	8.42	3.14	3.02	1.60	2.11	40.66
1904	4.48	3.52	4.14	1.70	3.67	1.15	3.09	2.32	2.83	1.18	0.15	2.15	30.38
1905	1.82	0.95	1.12	3.46	5.16	6.00	2.03	1.68	2.05	1.16	2.82	1.67	29.92
1906	1.01	0.49	2.34	1.93	2.18	2.81	2.08	4.08	2.50	4.09	2.69	3.71	29.91
1907	4.47	0.07	4.49	1.37	3.06	5.87	4.81	2.62	4.62	3.04	1.91	4.30	40.63
1908	2.34	3.14	3.79	2.66	4.27	2.00	3.37	3.52	0.46	1.15	0.56	1.91	29.17
1909	2.44	5.79	2.16	2.45	7.15	5.10	5.38	1.95	1.08	2.35	3.91	2.50	42.26
Mns	2.19	2.24	3.02	2.28	3.92	3.67	3.40	2.86	2.83	2.09	2.73	2.72	33.95

Ruggles, Ashland County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1854	......	......	3.88	5.56	5.64	4.46	2.75	1.76	2.37	......	......	......	......
1855	......	......	......	3.00	4.48	16.60	8.62	3.47	6.79	3.43	6.08	3.94	......
1856	2.05	2.82	0.88	1.73	7.19	1.83	2.43	1.50	2.21	1.15	1.52	3.54	28.85
1857	1.78	3.40	1.23	2.76	4.34	3.69	5.63	3.63	1.80	5.45	6.60	3.75	44.01
1858	2.43	3.30	1.42	5.99	7.15	5.73	6.92	3.71	1.85	2.55	4.68	5.98	51.71
1859	3.29	4.33	5.26	6.78	2.21	5.98	1.29	4.35	5.52	2.53	5.46	3.57	50.57
1860	......	......	......	......	......	......	......	......	......	......	......	......	......
1861	1.42	1.63	2.81	4.51	3.19	3.47	3.82	4.14	2.75	2.62	2.60	1.43	34.39
1862	4.30	3.72	4.88	2.21	5.14	8.44	1.99	1.02	1.12	1.95	4.13	6.07	44.97
1863	......	4.02	......	......	3.01	2.58	2.27	......	......	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1871	1.10	0.85	1.60	1.85	1.10	3.55	2.45	5.35	0.01	0.30	3.00	0.70	21.86
1872	0.94	1.70	......	0 95	3.70	2.00	5.80	4.20	3.10	2.00	1.00	3.70	......
1873	2.90	2.05	4.55	4.00	2.80	2.75	4 00	3.70	2.85	3.00	2.00	4.50	39.10
1874	4.85	4.30	2.50	2.80	3.75	2.25	2.85	2.70	1.85	0.90	3.00	1.80	33.55
1875	1.40	1.40	2.80	1.30	2.55	5.25	4.70	4.35	2.95	1.45	2.75	3.05	33.95
1876	3.15	3.90	3.80	0.18	4.45	4 85	4.40	1.80	5.40	3.10	1.60	2.10	38.73
1877	1.70	0.25	5.70	1.50	0.25	5.75	6.20	2.90	0.70	1.60	2.00	1.40	29.95
1878	4.25	1.85	3.90	1.55	2.05	2.10	7.35	0.90	5.00	3.20	1.45	3.40	37.00
1879	1.60	2.40	3.20	1.00	0.75	3.45	3.20	5.60	2.85	0.80	3.50	3.50	31.35
1880	3.15	2.45	1.80	2.75	2.05	4.55	6.20	3.40	0 95	2.40	2.55	1.05	33.30
1881	1.40	3.80	3.60	1.80	0.85	5.70	3.95	0.10	3.50	2.50	2.60	2.90	32.70
1882	2.15	2.55	2.20	1.05	4.55	2.25	2.95	3.95	3.35	2.00	2.70	1.15	30.85
1883	1.35	5.20	1.20	2.20	5.70	2.60	3.65	1.40	7.70	2.05	1.80	3.00	36.85
1884	2.20	3.75	1.95	0.85	2.60	1.45	2.30	1.00	3.80	1.45	0 85	2.15	24.35
1885	2.60	0.80	1.50	3.15	4.95	5.10	3.05	6.35	2.10	......	2.20	1.35	......
1886	2.90	1.00	2.00	2.20	3.15	1.45	4.00	2.70	4.40	0.80	4.60	3.00	32.20
1887	1.90	5.30	3.25	3.75	2.55	3.30	0.70	2.20	2.35	0.55	2.50	3.10	31.45
1888	3.20	1.01	3.80	2.25	3.65	4.00	3:15	3.25	2.65	1.80	4.30	1.55	34.61
Mns	2.42	2.71	2.88	2.60	3.47	4.26	3.95	3.06	3.07	2.04	3.02	28.3	36.31

Note—Values for 1854 to 1873 are for Savannah, about four miles southeast of Ruggles.

Shenandoah, Richland County

Elevation, 1,100 feet

1892	......	......	......	......	......	......	......	4.43	1.81	1.06	1.96	1.47	......
1893	......	4.75	2.27	6.95	5.88	1.93	2.62	1.10	1 93	3.34	1.87	2.02	......
1894	2 19	2.23	2.07	1.51	5.10	2.17	1.00	1.41	2.87	1.95	2.29	2.51	27.30
1895	2.69	0.52	1.59	2.30	1.83	4.29	2.42	2.92	1.91	1.46	4.68	3.32	29.93
1896	2.40	2.76	2.59	3.76	3.58	2 97	9.69	3.25	5.03	0.79	1.75	3.15	41.72
1897	1.70	1.59	3.70	1.87	4.88	2.22	2.90	4.45	0.20	0.98	5.84	1.55	31.88
1898	3.66	2.56	4.21	2.20	3.73	3.84	2.42	5.50	3.62	4.09	3.88	2.59	41.80
1899	3.15	1.56	4.02	1.27	4.13	4.01	3.63	0.53	4.09	2.11	1.74	2.70	32.94
1900	2.08	3.22	1.88	2.54	1.75	3.25	8.14	6.67	2.21	0.83	2.97	1.18	36.72
1901	1.39	1.11	4 23	1.86	5.66	5.31	2.98	4.51	4.25	0.38	1.55	3.71	36.94
1902	0.89	0.61	2.25	2.22	1.41	7.24	7.89	0.81	4.87	1.37	2.58	3.23	35.37
1903	1.81	3.36	2.56	5.45	2.67	3.80	4.59	2.84	1.48	2.77	1.77	1.68	34.37
1904	5.05	3.49	6.83	4.66	3.14	2.87	5.84	2.81	2.64	1.15	0.43	2.28	41.19
1905	1.42	1.17	2.22	2.75	6.22	6.56	6.83	3.12	3.45	2.53	2.17	1.51	39.95
1906	1.12	0.70	2.65	3.21	2.12	4.25	9.60	4.06	3.23	3.44	2.53	3.37	40.28
1907	6.03	0.53	4.28	3.02	4.51	4.77	3.09	2.00	4.47	3.10	1.47	3.17	40.39
1908	1.70	3.50	4.77	3.59	7.40	2.57	3.50	2.98	0.32	0.98	0.76	2.23	34.30
Mns	2.49	2.10	3.25	3.07	4.00	3.88	4.82	3.12	2.85	1.90	2.34	2.45	36.27

Tiffin, Seneca County

Elevation, 775 feet

1873	......	......	......	4.05	1.75	4.95	8.81	1.90	2.04	3.40	......	......	......
1874	......	......	2.05	2.60	1.70	2.90	2 40	1.70	3.05	0.73	1.58	1.25	......
1875	1.59	1.22	2.73	2.42	2.41	8.70	3.05	5.65	3.40	2.25	3.08	3.15	39.65
1876	3.05	5.03	4.68	1.77	4.55	5.85	5.35	3.75	......	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1885	3.21	1.03	0.89	3.07	4.25	4.56	3.21	9.39	1.78	2.31	2.89	1.89	38.48
1886	2.43	1.40	2.16	2.32	2.96	1 61	1.70	1.83	4.01	1.23	3.47	3.08	28.20
1887	1.75	6.60	2.26	2.51	2.52	3.67	1.46	1.66	1.81	0.94	3.22	2.83	31.23
1888	2.77	1.96	4.26	2.26	3.98	3 51	1.79	1.06	1.47	2.09	3.30	1.37	29.81
1889	2.85	1.22	2.96	1.47	4.36	2.47	2.23	0.71	2.00	1.02	2.48	3.60	27.37
1890	3.73	4.25	4.30	4 81	6.58	6.96	0.90	2.32	2.54	5.80	2.35	1.03	45.57
1891	1.93	4.19	3.18	2.20	1.57	5.86	3.54	1.60	1.71	2.10	6.15	2.15	36.18
1892	1.39	2.66	5.28	3.63	8.27	5.10	3.39	2.88	2.56	1.20	2.77	1.43	40.56
1893	2.28	3.69	1.48	5.25	2.90	1.72	3.97	1.35	1 18	5.72	2.15	2.51	34.20
1894	2 12	3.43	1.77	1.47	4.37	4.63	5.16	0.75	2.55	4.28	2.37	2.06	34.96
1895	2.74	0.71	1.40	2 46	1.33	1.96	2.86	1 77	1.34	1.28	5.72	4 50	28.07
1896	1.50	2.69	4.51	3.13	2.76	4.67	4 89	3.49	4.73	0.89	1.58	2.82	37.66
1897	2 65	2.38	4.65	2.96	4.86	3.04	1.97	1.61	0.48	0.83	5.91	2.26	33.60
1898	4.75	2.46	4.92	1 84	4.36	1.76	2.06	7 42	4.89	4.30	2.97	3.30	45.03
1899	3 72	2 20	5 06	2.64	5.42	2.10	4.56	0.90	1.53	2 15	1.84	3.27	35.39
1900	2 19	4.91	2.14	2.55	1.21	3 80	7 55	4.39	0.91	1.91	2 90	0.92	35 38
1901	1.86	1.64	2.47	2.05	5.74	2.61	4.69	2 52	2.36	0.84	1.36	4.06	32.20
1902	0.93	1.00	3.39	2.66	5.06	10.31	4.90	1.17	7.32	1.84	2.31	2.87	43.76
1903	2 44	4.93	2.58	6.19	2.15	4.29	5.45	4.66	1.94	2.83	1.82	2.27	41.55
1904	6.76	2.99	5.98	3.15	4.36	1.85	7.73	2.42	2.29	1.40	0 25	3.72	42.90
1905	1.83	1.98	1.46	3.55	5.75	3.68	3.68	1.61	3.43	2.02	2.95	1.85	33.74
1906	0 87	1.19	3.41	2.05	0.88	1.86	5.65	2.81	2.15	3.87	2.56	3.74	31.04
1907	5.50	0.35	4.32	1.48	2.53	4.35	3.39	1.10	5.32	2.50	2.34	3.60	36.78
1908	1.63	5 47	3.90	3.52	6.25	2.52	4.23	1.40	0.43	0.88	0.82	2 06	33.11
Mns	2.63	2.75	3.27	2.86	3.74	3.96	3.95	2.64	2.57	2.25	2.73	2.60	35.95

Sandusky, Erie County

Elevation, 629 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1859	1.57	1.44	3.32	4.55	1.55	3.71	0.15	4.06	5.64	1.62	2.63	3.38	33.62
1860	1.13	1.77	0.43	5.36	2.22	1.52	4.32	4.15	2.97	3.45	1.92	1.68	30.92
1861	1.06	1.09	3.74	2.37	2.54	1.09	2.77	4.36	3.74	2.40	2.98	1.04	29.18
1862	2.59	1.66	4 26	3.46	4.54	4.00	3.29	2.33	1.08	5.26	3.00	4.11	39.58
1863	3.32	1.40	1.52	1.78	2.08	1.55	1.71	2.42	1.21	2.89	3.88	2.60	26.36
1864	0.07	1.17	1.68	4.46	3.13	2.55	3.25	5.17	4.88	2.96	4.05	1.36	34.23
1865	0.51	1.20	1.79	2.28	3.29	4.02	7.54	1.88	10.59	3.05	0.35	3.50	40.00
1866	1.66	1.75	3.44	0.70	4.26	8.76	4.05	2.65	7.64	2.33	3.59	2.00	42.83
1867	1.69	2.29	2.01	3.84	4.11	1.61	4.49	1.23	0.79	1.95	1.58	3.30	28.89
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1874	4.88	6.09	1.40	2.28	3.59	4.06	3.60	3.27	3.43	2.27	2.60	0.35	37.82
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1877	......	......	......	......	......	......	......	6.28	0.73	4.39	3.41	1.53	......
1878	3.39	3.06	5.33	2.32	2.96	2.61	4.85	1.59	6.76	3.72	2.88	3.44	42.91
1879	1.19	2.46	1.95	1.74	1.16	5.97	4.01	3.26	5.77	0.69	5.22	4.29	37.71
1880	3.77	2.11	2.66	4.67	4.49	2.91	6.06	5.03	2.02	2.27	2.89	1.06	39.44
1881	1.31	3.25	2.75	2.47	0.98	10.09	3.88	0.96	3.78	5.58	4.99	6.27	46.31
1882	2.46	3.79	4.02	2.75	7.11	3.71	1.51	8.02	1.67	2.96	2.92	1.61	42.53
1883	1.01	4.12	0.69	......	......	......	......	4.74	4.07	4.88	3.92	2.61	......
1884	1.25	5.48	3.26	1.50	3.70	2.42	5.75	2.48	3.17	1.18	1.01	2.44	33.64
1885	3.29	0.83	0.75	2.19	4.35	6.61	3.08	3.87	1.82	2.92	2.75	1.77	34.23
1886	2.28	1.12	2.38	2.35	3.69	2.16	2.26	3.78	3.83	1.24	2.94	2.97	31.00
1887	1.51	8.53	2.16	2.10	1.61	4.44	0.59	1.57	2.31	0.88	2.25	1.90	29.85
1888	2.14	1.26	2.85	1.61	2.30	3.96	3.58	1.98	1.41	1.89	2.35	1.12	26.45
1889	2.43	1.27	2.23	1.45	4.52	2.29	0.98	1.25	1.84	1.27	1.71	3.65	24.89
1890	3.49	3.10	2.78	3.68	5.28	2.78	1.99	3.17	4.15	4.66	2.56	0.96	38.60
1891	2.00	4.05	2.27	2.14	1.48	4.38	2.05	1.53	1.10	2.64	5.45	1.60	30.69
1892	1.99	2.58	4.97	2.56	6.91	6.41	4.81	5.53	2.69	0.93	2.85	1.05	43.28
1893	1.94	3 12	1.66	4.95	2.96	0.91	3.45	1.13	0.93	3.27	2.16	2.52	29.00
1894	1.95	2.33	1.64	1.67	3.64	3.22	2.84	0.23	3.49	3.48	1.40	2.20	28.09
1895	2.39	0.36	1.23	2.25	2.00	1.61	1.48	3.32	2.23	1.67	4.73	3.55	26 82
1896	1.39	1.72	2.38	4.12	1.67	2.94	5.55	2.71	4.52	1.14	1.53	2.09	31.76
1897	1.14	1.03	2.41	2.11	3.84	2.04	4.29	2.50	0.91	0.43	6.21	1.54	28.45
1898	2.93	2.29	5.53	1.95	2.73	5.11	5.69	5.25	2.09	4.88	2.37	2.35	43 17
1899	3.13	1.62	4.38	1.02	4.32	3.46	3.44	2.74	1.07	1.90	1.76	1.94	30.78
1900	1.35	3.23	1.10	1.80	2.23	3.60	7.58	4.91	1.50	1.20	2.61	0.69	31.80
1901	1.12	0.91	2.07	1.84	3.19	3.81	1.48	3.93	1.01	1.10	1.79	3.25	25.50
1902	0.60	0.30	2.67	1.42	4.01	8.85	5.33	1.23	6.20	1.80	2.02	2.40	36.83
1903	1.62	3.67	1 77	3.96	1.43	3.79	4.45	6.32	1.27	2.04	1.47	1.78	33.57
1904	4.70	1.96	4.38	2.89	3.18	1.27	4 48	2.33	3.06	1.22	0.09	2.31	31.87
1905	1.69	1.34	1.05	3 59	4.76	3.95	3.11	2.04	1.92	1.49	2.38	1.58	28.90
1906	0.93	1.01	1 87	1.50	1 48	1.53	7.62	6.65	3.12	3 81	2.21	3.10	34.83
1907	4.87	0.33	4.39	1.19	2.16	4.64	4.43	1.59	6.63	3.43	1.38	3.40	38.44
1908	2.09	3.70	3.61	2.83	2.12	1.72	3.34	2.96	0.75	0.97	0.62	1.77	26.48
Mns	2.09	2.34	2.60	2.59	3.19	3.65	2.73	3.25	3.08	2.48	2.64	2.33	32,97

Note—The record beginning with August, 1877, is for the Weather Bureau station.

Van Wert, Van Wert County

Elevation, 784 feet

1891	......	......	......	......	......	......	3.50	3.35	1.61	1.27	6.18	2.09	......
1892	1.74	2.37	3.41	4.58	9.58	7.87	3.48	2.70	3.68	0.54	2.93	1 67	44.55
1893	2.16	4.41	1.91	7.35	3.64	2.87	1.02	0.41	1.61	3.21	2.80	2.09	33.48
1894	1.54	3.41	2.30	2.03	4.32	2.72	0.86	1.60	3.55	2.06	2.01	2.19	28.59
1895	2.09	0.48	0.87	1.43	1.35	2.80	1.49	1.84	1.58	0.42	5.17	3.25	22 77
1896	1.48	1.05	3.26	3.20	2.93	2.98	10.18	4.13	4.71	0.53	1.86	1.94	38.25
1897	2.19	1.63	4.09	3.49	4.15	3.43	3.54	3.57	0.21	0.38	5.65	1.65	33.98
1898	4.15	2.04	3.96	2.60	6.09	2.09	......	3.61	4.04	2 76	2 84	2.25	......
1899	2.25	1.70	4.76	0.44	......	1.80	6.00	......	2.35	......	......	......	......
1900	......	......	......	......	......	......	......	5.74	1.55	2.12	3.37	......	......
1901	1.68	1.46	2.04	2.11	6.63	2.32	1 63	1.50	1.74	2.24	1.28	4.64	29 27
1902	0.61	......	......	2.34	2.53	......	4.55	......	......	......	......	3.38	......
1903	......	......	......	......	......	......	......	......	2.35	......	......	......	......
Mns	1.99	2.06	2.95	2.96	4.58	3.21	3.62	2.84	2.42	1.55	3.41	2.52	34.11

Youngstown, Mahoning County

Elevation, 846 feet

1885	......	......	......	......	......	......	2.77	6.34	2.57	4.78	1.85	1.84	......
1886	3.79	2.26	2.60	1.66	2.10	1.29	2.76	2.32	2.29	0.50	6.73	3.16	31.46
1887	1.12	6.66	2.74	1.80	2.11	2.86	1.54	2.23	2.01	0.68	1.31	1.14	26.20
1888	1.92	1.90	1.47	1.47	2.00	2.82	3.33	3.04	4.46	3.98	3.39	1.50	31.28
1889	3.39	0.42	1.90	2.84	3.64	4.99	1.83	1.35	4.25	1.97	2.71	3.43	32.72
1890	4.11	4.89	4.38	3.52	5.44	2.83	2.59	4.29	7.53	5.62	2.71	3.02	50.93
1891	2.41	4.00	3.84	1.25	3.06	3.70	3.49	1.72	1.22	0.99	3.16	1.51	30.35
1892	1.78	2.22	2.66	1.20	7.27	3.15	2 29	4.45	2.09	0.79	0.89	1.32	30.11
1893	2.27	5.58	2 39	4.75	6.35	1.62	2.41	2 75	1 69	3.95	1.28	1.80	36.84
1894	1 54	2.88	2.48	2 36	3.43	2.43	2.84	0.72	5 58	2.34	2.62	3.12	32 34
1895	3.02	1 22	1.70	1.08	1.22	3.80	1.65	3.15	2.12	1.36	3.39	3.46	27.17
1896	1.45	3.15	1.59	3.32	1.88	5.31	6.60	2.23	4.56	0.95	1.60	2.38	35.02
1897	0.76	1.57	2.87	2.68	2.75	2.65	7.48	5.57	1.04	0.25	4.84	2.54	35.00
1898	3.38	1.67	4.62	2.07	3.44	3.62	6.04	4.39	1.95	4.30	3.06	2.68	41.22
1899	......	......	......	......	......	2.98	......	......	3.31	1.72	1.76	3.12	......
1900	1.97	2.81	2.63	1.47	3.40	2.57	6.54	2.25	1.60	1.51	3.74	1.07	31.56
1901	1.67	......	......	......	......	......	......	......	......	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1908	......	......	......	......	......	1.34	......	......	0.69	1.67	1.25	2.38	......
Mns	2.31	2.94	2.70	2.25	3.44	3.00	3.61	3.12	2.88	2.20	2.72	2.32	33.49

Toledo, Lucas County
Elevation, 769 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1861	2.13	1.28	5.81	5.75	3.69	3.37	5.12	3.36	3.56	2.31	3.12	1.37	40.87
1862	3.87	2.87	5.56	4.44	6.00	3.56	2.87	3.87	2.37	2.50	2.50	4.44	44.85
1863	3.87	3.56	2.44	1.87	2.44	2.50	3.44	2.31	1.62	3.12	3.75	3.00	33.92
1864	0.38	0.94	1.94	4.75	2.19	3.50	3.25	4.21	7.01	1.69	5.81	1.50	37.17
1865	0.75	1.69	1.75	3.12	2.25	3.69	6.06	3.75	10.19	2.37	0.37	3.56	39.55
1866	1.75	2.31	3.75	0.87	5.37	4.69	4.00	2.44	7.19	2.62	3.12	2.56	40.67
1867	1.50	3.13	2.31	3.62	5.50	1.94	2.16	2.44	2.00	2.88	2.00	1.88	31.86
1868	1.25	1.06	8.69	3.37	5.31	8.19	2.50	3.61	2.56	1.69	2.87	1.06	42.16
1869	1.68	3.50	3.68	4.94	5.75	8.25	2.62	0.62	1.62	2.81	4.52	2.45	42.44
1870	4.50	1.68	3.31	2.00	2.12	4.06	6.60	....	....	....	....	....	....
1871	1.65	2.50	2.40	2.98	1.92	4.36	3.33	4.30	0.56	0.78	4.67	1.97	31.42
1872	1.20	1.10	1.68	1.90	3.97	2.96	5.76	1.16	3.38	1.45	0.78	2.22	27.56
1873	3.63	1.16	2.51	4.39	2.67	2.32	3.41	2.26	2.37	3.30	2.18	5.32	35.52
1874	3.53	2.78	1.41	3.14	1.61	4.06	2.09	2.43	0.80	0.35	2.99	0.64	25.83
1875	1.67	0.80	1.21	0.92	3.12	3.70	1.31	5.60	2.86	2.54	2.23	2.57	28.03
1876	1.76	2.03	4.10	0.55	3.21	3.58	4.36	2.95	4.36	2.61	2.07	2.97	34.55
1877	1.88	0.08	5.89	2.55	0.65	5.11	0.99	5.85	1.06	4.62	4.88	1.61	35.17
1878	3.47	1.59	1.05	2.29	5.24	2.01	5.35	1.92	2.48	2.52	2.04	2.71	32.67
1879	0.86	1.21	1.42	1.44	2.88	3.24	3.45	1.84	4.55	0.62	4.60	4.16	30.27
1880	3.08	0.99	2.15	5.01	3.74	2.91	6.22	4.65	1.23	3.31	1.74	0.69	35.72
1881	0.54	4.28	1.90	1.76	0.45	7.36	5.45	0.88	5.33	8.49	4.74	4.73	45.91
1882	1.57	2.40	3.02	1.66	4.99	4.51	3.04	3.73	2.08	2.01	2.72	1.30	33.08
1883	1.77	4.28	0.78	1.57	5.69	2.99	4.26	1.51	2.78	3.68	3.03	1.90	34.24
1884	2.61	3.03	2.09	1.57	4.71	2.70	3.66	1.48	1.02	2.14	1.39	2.03	28.43
1885	3.12	0.61	0.63	2.41	5.11	3.36	2.49	3.60	2.17	3.70	3.10	2.89	33.19
1886	2.79	1.32	2.28	2.08	4.50	2.69	0.59	3.13	6.17	1.60	2.77	2.77	32.70
1887	2.21	6.84	1.12	1.57	1.46	3.26	3.13	1.81	3.37	1.82	2.64	2.78	32.01
1888	2.18	0.75	3.63	0.86	3.26	3.69	2.92	1.97	0.68	1.64	3.02	1.26	25.86
1889	1.50	0.97	1.87	1.32	3.93	3.26	1.14	1.59	0.52	0.84	2.28	2.62	21.84
1890	3.39	2.90	1.56	4.05	4.04	2.49	0.86	4.43	2.68	3.93	2.27	1.04	33.64
1891	1.08	3.08	2.27	1.89	0.79	3.39	3.44	1.91	0.84	2.47	4.47	1.49	27.12
1892	0.90	2.12	3.37	2.47	7.42	6.58	3.78	2.40	3.88	0.32	2.27	1.19	36.70
1893	1.05	2.34	1.18	3.17	1.24	2.00	1.36	1.45	0.94	3.49	2.49	3.10	23.81
1894	1.48	1.92	1.26	1.81	5.36	1.76	0.42	0.60	2.50	1.69	1.04	1.50	21.34
1895	2.16	0.34	0.91	2.02	2.30	1.24	1.25	3.75	1.11	0.97	5.03	4.23	25.31
1896	1.19	2.44	2.51	3.30	2.22	2.96	6.65	3.66	4.09	1.20	1.71	1.17	33.10
1897	1.75	1.10	3.25	2.54	3.28	4.07	3.73	1.95	1.22	0.75	5.41	1.30	30.35
1898	2.96	1.65	3.23	1.51	3.02	1.79	3.30	1.82	1.81	2.81	2.21	1.99	28.10
1899	1.97	1.91	3.93	0.92	5.55	1.03	2.27	0.86	2.67	1.50	2.14	2.31	27.06
1900	0.73	4.42	1.57	2.73	2.48	3.41	5.43	2.25	0.82	2.29	2.67	0.78	29.58
1901	1.38	1.13	1.94	2.37	2.85	3.32	2.68	3.91	0.87	1.06	1.25	3.53	26.29
1902	0.72	0.62	2.76	0.86	4.72	6.19	4.01	1.29	6.51	1.98	1.40	2.25	33.31
1903	1.10	3.37	1.67	3.67	1.43	3.87	5.54	6.65	2.71	2.32	1.01	1.74	35.08
1904	3.51	2.53	4.35	1.77	2.69	0.51	2.85	3.20	2.94	1.22	0.04	2.33	27.94
1905	1.70	1.32	1.15	3.23	4.32	4.81	1.85	2.23	2.05	1.10	3.27	1.56	28.59
1906	0.99	0.57	2.08	1.41	2.64	3.51	5.07	2.89	1.33	3.39	2.90	3.49	30.27
1907	3.73	0.22	2.68	2.16	3.05	4.55	3.59	1.84	4.77	2.60	1.63	4.21	35.03
1908	2.80	4.55	3.35	3.07	4.64	2.11	3.43	7.63	0.38	1.34	0.78	1.80	35.88
Mns	2.03	2.07	2.61	2.49	3.50	3.57	3.40	2.85	2.76	2.27	2.68	2.34	32.57

Note—The record after the year 1870 is for the Weather Bureau station.

Vermillion, Erie County
Elevation, 603 feet

1873	2.85	1.20	2.60	4.55	1.51	3.95	8.55	1.22	2.79	2.83	2.40	4.03	38.48
1874	4.51	3.55	1.36	2.96	2.53	2.68	2.97	2.50	2.76	1.56	2.65	1.26	31.29
1875	1.62	1.70	3.35	2.06	3.17	5.62	3.84	3.66	3.90	.....	.....	.....	.....
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1893	.....	.....	.....	3.44	3.78	1.68	3.81	1.90	0.99	3.97	1.97	2.06	.....
1894	2.33	2.47	1.33	1.70	3.35	2.19	1.38	0.17	2.81	3.38	1.63	2.43	25.17
1895	3.03	1.04	1.66	1.89	1.50	1.73	1.25	3.87	1.50	2.01	5.37	4.55	29.40
1896	1.92	2.23	3.62	4.52	1.68	2.37	5.16	3.12	4.41	1.08	1.43	2.25	33.79
1897	3.51	1.53	3.93	1.82	4.29	2.02	4.73	3.06	1.45	0.69	7.05	1.45	35.53
1898	4.37	2.20	4.09	2.15	2.08	5.60	3.21	4.27	3.66	5.02	2.90	2.53	42.08
1899	3.77	1.64	5.86	1.06	5.45	1.99	3.11	1.32	2.38	2.09	1.44	2.93	32.99
1900	2.11	3.80	1.61	1.81	1.54	2.75	6.10	4.14	1.36	1.28	3.31	1.53	31.34
1901	1.64	1.21	2.84	2.34	3.16	2.59	2.89	3.14	1.48	0.74	1.96	.....	.....
Mns	2.88	2.05	2.93	2.52	2.84	2.93	3.88	2.70	2.45	2.24	2.92	2.50	32.84

Note—Values for 1873 to 1875 are for Berlin Heights, about ten miles southwest of Vermillion.

Vickery, Sandusky County
Elevation, 588 feet

1893	...	.....	.....	4.99	3.47	1.45	4.31	0.40	1.34	4.29	1.95	2.93	..
1894	1.81	3.01	1.87	1.25	5.77	2.66	1.77	1.41	3.26	3.09	2.05	2.11	30.06
1895	2.85	0.63	1.03	2.13	1.80	1.40	1.37	1.77	1.83	1.78	5.33	4.02	25.94
1896	1.68	2.13	2.61	3.61	2.04	3.24	7.64	2.10	4.60	0.82	1.44	2.02	33.93
1897	2.00	1.12	3.02	2.42	4.04	2.28	2.99	2.03	0.60	0.75	5.76	1.91	28.92
1898	2.57	1.82	3.80	2.04	3.95	2.44	6.75	3.60	2.99	5.28	2.72	2.43	40.39
1899	3.23	1.49	4.87	0.82	5.27	1.96	3.25	1.38	0.85	1.98	1.71	2.18	28.99
1900	1.74	3.94	1.68	1.72	2.36	3.36	5.89	2.72	1.03	1.46	2.58	0.57	29.05
1901	1.39	1.34	2.17	2.57	4.57	3.88	1.71	4.66	1.06	0.75	1.59	3.43	29.12
1902	0.51	0.17	2.75	1.32	3.73	9.20	4.37	1.26	6.42	2.03	1.88	2.35	35.99
1903	1.52	4.19	1.79	4.79	1.68	3.32	5.48	7.14	1.58	2.71	2.02	1.90	38.12
1904	4.90	2.83	4.75	3.09	3.58	2.36	5.92	2.38	2.62	1.38	0.20	1.73	35.74
1905	1.58	1.30	0.90	3.72	6.06	5.35	2.28	1.72	2.56	1.49	2.52	1.79	31.27
1906	0.91	0.62	2.00	1.59	2.37	2.04	5.70	5.96	2.90	4.45	2.52	3.70	34.76
1907	5.75	0.24	4.42	1.79	2.72	5.62	2.87	1.91	4.43	4.70	1.63	3.94	40.02
1908	1.66	3.85	3.85	3.06	2.78	2.73	4.34	4.11	1.20	0.97	0.46	2.03	31.04
Mns	2.27	1.91	2.77	2.56	3.51	3.33	4.16	2.78	2.34	2.37	2.27	2.44	32.71

Upper Sandusky, Wyandot County
Elevation, 854 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1882	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.56	1.90	....
1883	1.14	7.39	0.48	3.29	6.58	6.21	4.94	1.13	1.44	4.16	2.98	4.06	43.80
1884	2.66	5.51	3.48	1.60	3.71	1.93	5.18	1.37	2.54	2.51	1.57	4.74	36.80
1885	2.67	0.69	1.36	4.10	4.87	4.34	3.50	7.05	3.87	2.28	2.84	2.37	39.89
1886	3.50	0.90	2.04	2.12	3.75	3.02	0.53	3.90	4.17	2.12	3.77	1.85	31.67
1887	2.08	6.54	2.52	2.18	2.84	4.57	1.69	2.19	2.07	1.07	2.69	3.85	34.29
1888	3.83	2.70	4.55	2.75	4.03	2.98	2.84	4.17	1.39	2.38	4.01	1.89	37.52
1889	3.27	1.58	1.28	2.33	5.54	5.75	3.35	2.09	2.68	0.56	2.76	2.52	33.71
1890	3.90	4.96	3.89	3.58	7.19	5.94	2.44	4.15	5.58	3.43	1.86	1.11	48.03
1891	1.68	3.13	3.05	2.07	1.32	3.59	2.81	2.43	0.45	3.26	5.54	2.40	31.73
1892	1.31	2.41	3.71	2.67	6.07	7.34	2.53	2.40	2.55	0.70	3.01	1.56	36.26
1893	2.82	4.37	1.94	5.64	4.36	2.59	2.51	0.94	1.09	5.31	2.19	1.61	35.37
1894	1.81	2.85	2.30	1.70	2.32	4.16	1.75	0.66	3.34	3.53	2.53	2.06	29.01
1895	3.14	0.56	1.33	2.84	1.12	5.41	2.45	2.76	1.39	1.30	5.72	4.85	32.87
1896	1.62	2.24	3.74	3.19	1.88	5.77	5.93	3.59	4.47	0.53	1.69	2.59	37.24
1897	2.15	2.16	5.63	3.63	5.84	1.93	3.40	1.88	0.25	0.46	6.21	1.71	35.25
1898	4.14	2.24	4.71	2.27	4.66	1.32	4.11	3.78	3.64	4.03	3.50	3.14	41.54
1899	3.20	2.44	4.48	1.14	5.96	2.55	6.08	2.67	1.30	2.16	1.95	3.60	37.53
1900	2.69	4.14	3.25	2.20	3.05	2.57	4.37	5.06	1.98	2.62	2.57	1.35	35.85
1901	1.50	1.30	2.75	2.15	3.40	6.22	2.32	1.84	1.77	0.41	1.30	3.89	28.85
1902	1.55	0.95	3.33	1.81	1.09	8.02	7.05	0.73	4.89	1.81	2.45	2.70	36.38
1903	2.40	4.20	3.02	4.60	3.78	4.50	2.71	3.30	2.00	3.10	1.56	2.52	37.69
1904	5.27	3.71	5.68	6.12	4.07	4.87	4.33	2.55	1.60	1.94	0.12	3.13	43.39
1905	1.43	1.68	1.13	3.18	5.51	5.24	4.89	3.23	3.18	2.10	2.24	1.74	35.55
1906	1.37	1.73	4.41	2.12	2.03	2.10	3.81	2.13	2.81	2.98	2.34	3.06	30.88
1907	4.97	0.58	5.51	2.63	3.78	5.22	3.66	1.83	3.98	2.24	1.77	3.37	39.54
1908	1.57	3.94	5.55	3.55	4.29	1.95	3.87	1.96	0.37	1.45	0.32	2.11	30.93
Mns	2.60	2.88	3.27	2.90	3.96	4.23	3.58	2.68	2.49	2.25	2.67	2.65	36.16

Wauseon, Fulton County
Elevation, 780 feet

1871	....	.....	2.05	3.53	2.80	3.09	4.16	2.97	0.55	0.95	3.45	1.76	....
1872	1.32	0.82	0.97	1.31	3.72	1.43	7.26	4.26	3.78	1.38	1.87	2.95	31.07
1873	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1874	.....	.....	.....	.....	1.70	5.47	2.59	1.44	0.66	0.93	2.77	0.41	.....
1875	2.14	2.68	3.40	1.53	6.06	6.06	1.60	3.82	2.23	3.42	2.38	2.96	38.28
1876	2.57	6.81	6.52	1.53	6.13	6.36	6.37	2.20	4.12	2.82	2.51	1.64	49.58
1877	2.02	0.12	5.61	3.07	1.14	8.21	3.79	2.74	1.56	4.88	4.02	1.40	38.56
1878	2.14	3.26	3.78	3.21	4.70	2.58	4.28	4.03	1.89	2.42	2.72	2.23	37.24
1879	1.29	1.50	2.88	2.51	8.06	2.82	4.20	2.72	5.29	0.96	5.15	4.32	36.69
1880	3.53	1.48	2.78	4.81	6.25	3.31	4.99	4.72	2.69	2.67	2.54	1.23	41.00
1881	1.77	4.28	3.73	1.55	1.33	8.43	5.03	1.25	2.36	8.92	5.83	3.58	48.06
1882	2.14	2.91	3.43	2.33	4.93	3.18	2.57	3.48	1.35	2.59	2.81	1.81	33.56
1883	1.72	5.11	1.70	1.63	5.97	4.73	6.44	1.67	2.96	4.37	2.88	2.41	41.59
1884	1.93	5.02	2.78	1.42	3.95	2.79	4.20	1.12	1.85	3.01	1.46	3.38	32.91
1885	3.22	1.15	0.62	3.71	5.61	3.83	3.03	4.36	2.14	3.03	2.73	2.57	36.00
1886	2.78	0.84	1.56	3.19	2.69	2.01	0.31	4.86	4.47	1.94	2.66	3.07	30.38
1887	2.36	7.19	1.49	1.52	3.50	3.55	2.87	1.52	1.70	1.97	3.78	2.69	34.14
1888	2.40	1.96	3.64	2.27	3.36	3.52	0.86	1.95	0.84	1.93	3.88	1.88	28.49
1889	2.17	1.77	2.96	1.90	8.22	3.69	4.82	1.54	0.79	0.93	3.67	2.87	35.33
1890	4.14	3.43	3.45	5.29	4.78	3.88	0.48	3.48	3.19	3.76	2.25	1.16	39.29
1891	2.56	4.58	4.45	4.39	1.49	4.21	2.36	3.43	0.86	1.85	5.02	1.91	37.11
1892	1.42	3.56	5.54	5.17	11.40	8.65	2.96	2.88	4.61	0.39	4.38	2.10	52.55
1893	2.47	5.34	3.97	6.06	2.32	3.09	5.06	0.49	2.06	3.31	3.88	4.69	42.74
1894	2.27	4.48	3.17	3.96	4.11	2.33	0.72	0.87	3.74	2.42	1.80	2.17	32.04
1895	2.27	0.76	1.62	2.10	2.75	0.64	0.71	2.82	1.18	1.19	6.30	6.72	29.06
1896	2.20	2.24	2.80	6.65	3.44	4.12	11.01	4.24	4.58	1.20	2.25	1.84	46.57
1897	3.76	1.35	6.66	5.69	3.90	3.83	3.67	1.88	0.76	0.77	5.20	1.88	39.35
1898	4.28	2.75	8.08	2.03	3.76	3.57	4.91	2.24	3.22	3.42	3.39	3.28	44.93
1899	3.90	4.52	5.47	1.19	4.53	1.11	4.52	0.84	2.70	2.50	2.17	3.36	36.81
1900	1.50	5.75	2.17	4.04	4.12	3.01	5.71	2.97	1.61	3.09	4.48	0.93	39.78
1901	2.10	1.38	3.57	2.99	3.67	5.15	2.36	1.93	1.96	2.88	1.61	5.73	35.22
1902	0.71	1.18	4.96	1.30	6.45	7.73	6.24	0.86	7.93	2.07	2.37	3.06	44.85
1903	1.24	4.76	2.51	5.41	2.40	2.77	5.91	4.84	2.48	2.50	1.84	2.27	38.93
1904	4.58	3.23	6.30	2.82	3.32	1.72	3.76	2.97	3.86	1.70	0.16	1.99	36.36
1905	1.66	1.46	1.46	3.48	5.02	6.11	3.57	2.61	1.54	1.85	3.58	1.93	34.27
1906	1.68	0.71	2.43	1.90	1.49	3.27	4.88	4.64	2.81	2.35	3.64	3.99	33.29
1907	3.47	0.32	2.53	1.80	2.72	4.55	3.60	2.75	4.67	2.63	2.01	3.76	34.81
1908	1.61	3.43	2.90	2.79	6.07	3.33	4.39	3.39	0.49	1.02	1.20	2.17	32.79
Mns	2.38	2.92	3.42	3.06	4.13	3.99	3.94	2.71	2.58	2.43	3.10	2.65	37.31

Wellington, Lorain County
Elevation, 856 feet

1893	.....	.....	.....	3.52	7.65	0.63	3.54	2.48	1.11	4.08	2.00	2.19	.....
1894	2.53	3.04	1.91	1.48	4.66	3.04	1.85	0.06	3.27	2.06	2.88	2.16	28.94
1895	2.65	0.82	1.68	2.11	2.31	4.84	1.17	4.94	3.55	1.90	4.75	3.00	33.22
1896	1.42	3.08	2.60	....	.....	....	....	....	....	.....	....	....	.....
1897	0.82	1.75	3.22	2.72	5.42	2.36	2.99	2.32	0.72	0.85	6.87	1.74	31.78
1898	3.62	2.92	3.74	2.40	2.42	2.38	8.30	4.50	2.29	3.83	3.09	2.82	42.31
1899	3.24	1.86	4.84	1.44	7.06	1.91	4.15	0.73	2.35	1.98	1.58	2.78	33.92
1900	2.29	4.02	2.23	1.31	1.32	2.32	6.45	3.81	2.81	0.94	8.00	1.08	31.58
1901	1.63	1.85	2.94	2.44	3.62	3.29	3.50	3.63	1.95	0.32	1.36	2.58	29.11
1902	1.51	0.78	2.57	2.45	3.97	10.88	7.09	0.82	5.13	1.69	2.29	2.91	42.09
1903	2.22	3.87	2.62	5.46	2.06	3.27	3.88	3.92	1.98	2.27	1.97	1.63	35.15
1904	4.82	3.57	4.12	3.47	3.71	3.16	6.49	2.74	1.92	1.49	0.35	2.56	38.40
1905	1.53	1.13	1.53	3.45	4.93	2.90	2.41	5.08	3.35	2.28	2.37	1.21	32.17
1906	0.79	1.01	3.00	1.54	1.53	1.95	3.91	3.50	2.27	2.91	2.49	3.59	28.49
1907	5.13	0.43	4.61	2.81	4.20	3.70	2.28	1.14	3.67	4.24	1.42	3.04	36.67
1908	1.53	3.57	4.41	3.27	5.14	1.73	4.53	2.01	0.42	0.98	0.91	2.56	31.06
Mns	2.48	2.25	3.07	2.66	4.00	3.19	4.17	2.78	2.45	2.12	2.49	2.39	34.05

Warren, Trumbull County

Elevation, 900 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1882	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.87	0.78	.....
1883	1.60	6.48	1.29	2.04	6.33	3.19	2.70	2.66	2.72	3.40	2.48	3.60	38.49
1884	1.74	5.41	2.37	1.35	1.76	1.16	6.29	2.91	3 73	2.71	1.52	2.78	33.73
1885	2.72	1.54	0.55	1.53	2.91	4 96	2.58	6.35	2 79	4.23	1.32	1.73	33.21
1886	4.31	0 50	2.73	3.35	2.18	1.92	3.57	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889	**3.10**	**1.10**	1.15	2.27	2.38	2.95	2.34	2.55	3.15	1.54	1.71	2.48	26.72
1890	2.60	4.15	3.56	3.78	7.24	1.75	2.68	3.84	6.46	6.89	2.45	3.19	48.59
1891	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1892	.....	3.18	3.47	1.37	8.39	.....	.....	.....	.....	.....	.....	.....	.....
1893	**2.60**	6.44	3.68	4.14	6.00	4 68	1.95	2.52	1 37	5.00	1.17	3.11	42.66
1894	2.65	3.02	2.53	3.06	4.36	1.57	3.62	0.03	7 14	2.03	3.15	2.58	35.74
1895	4.30	1.32	2.59	1.40	2.50	3.60	2.24	2.28	2.67	0.51	3.43	5.82	32.66
1896	2.01	3 39	3.65	3.06	1.79	10.78	5.19	2.30	3.81	0.83	2.11	3.39	42.31
1897	2.59	2.97	4.19	2.48	3.98	1.91	8 23	4.68	1 55	0.50	5.73	2.90	41.71
1898	**4 10**	2.81	5.06	1.94	3.20	3 78	3.37	5.43	1.77	4.22	3.58	4.37	43.63
1899	2.98	2.04	2.92	**1.00**	**5.00**	**3.20**	**2.50**	1.75	3.44	2.13	1.61	4.07	32.64
1900	2.52	3.80	2.22	1.44	**3.00**	1.94	6.10	2.80	1.20	1.72	5.80	1.33	33.87
1901	1.89	1.60	3.77	6.61	3.32	5.77	2.93	4 22	6.62	0.67	2.37	4.43	44.20
1902	2.31	1.71	1.72	2.81	3.19	5.41	8.09	1.28	4 18	1.79	1.84	4.46	38.79
1903	2.84	4 51	4.03	2.59	1.23	4.09	5.24	3.94	0.86	1.51	2.71	2.43	35.98
1904	5.55	3.47	5.59	3.83	7.37	0.88	4 13	3.28	1.78	1.42	1 06	2.56	40.87
1905	1.84	1.85	3 54	2.30	3.82	3.96	6.51	4.53	2.96	3.09	2.38	1.87	38.65
1906	1 31	1.05	3.19	2.21	2 01	2 80	5.96	6.01	3.54	4.75	2.77	2.80	38.40
1907	4.01	1.22	6.55	2.31	2.72	3.83	3.76	2.27	3.29	3.05	1.41	2.74	37.16
1908	2.65	5.23	5.77	3.83	6.44	1.54	6.10	2.78	0.44	1.38	1 29	3.82	41.27
Mns	2.83	2.99	3 31	2.64	3.96	3.44	4.37	3.26	3.12	2.54	2.44	3.06	37.96

Note—Values for 1889 and 1890 are for Vienna, about eight miles east of Warren.

Wooster, Wayne County

Elevation, 1,030 feet

1868	.....	.....	.....	.....	.....	.....	.....	.....	3.57	0.52	2.45	0.70	.....
1869	2.30	2.10	4 55	1.80	5.97	5.10	4.60	1.10	5.40	1.80	2.87	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1876	.....	.....	.....	1.01	6.38	4.96	9.12	2.97	5.56	2.95	2.49	1.48	.....
1877	2.43	0.56	7.94	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1878	.....	.....	.....	.....	0.45	4.94	.....	.....	.....	.....	.....	.....	.....
1879	.....	.....	.....	.....	0.69	4.95	10.48	.....	.....	.....	.....	3.66	.....
1880	3.45	2 53	1.44	4.32	2.29	4.18	2.75	3.75	2.38	1.17	3.01	3.59	34.86
1881	3.12	4.51	5.01	2.52	2.69	6.14	5.01	0.97	4 12	3.87	3.54	0.50	42.00
1882	2.49	1.75	3.10	0.60	6.26	.....	.....	.....	.....	.....	.....	.....	.....
1883	2.10	5.57	1.58	1.42	5.39	3 41	5.85	2.27	2.95	3.33	2.59	4.39	40.85
1884	3.58	4.02	3.45	0.20	2.13	2.30	3.34	1.71	4.08	1.48	0.98	4.09	31.36
1885	4.69	1.62	1.24	2.16	5.10	.....	.....	.....	.....	.....	.....	.....	.....
1886	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	**1.50**	**6.95**	2.71	2.99	3.48	5.78	0.94	1.80	2.08	1.10	2.21	2.68	34.22
1888	3.34	2.43	3 34	2.48	3.82	2.31	4.54	4.35	1.92	3.18	4.95	1.39	38.05
1889	4.33	2.42	2.18	1.58	2.97	4.86	6.73	1.98	4.05	1.36	3.53	3.93	39.87
1890	4.71	6.20	4.87	3.10	6.37	4 92	2.67	4.66	5.13	7.45	2.62	1.74	53.94
1891	2.97	4.83	3.71	1.66	2.24	7.13	3.24	**2.67**	0.93	1.33	5.73	2.92	39.36
1892	2.67	**2.60**	3.38	2.44	7.69	7.89	4.73	2.69	3.20	0 37	2.06	1.74	41.46
1893	4.01	6.33	1.89	5.66	6.28	2.51	1.38	1.53	1.85	5.15	2.49	1.50	40.58
1894	2 19	3.37	2.36	1 74	4.41	2 23	1.38	0.76	4.25	2.35	2.41	3.15	30.60
1895	3 97	0.41	1.98	1.69	1.38	4.20	2 19	2.30	3.92	1.15	4.21	3.51	30.01
1896	1.73	2.27	3.67	3.34	8.41	3.98	8.05	1.96	5.16	0.71	1.78	3.04	39.10
1897	3 42	2.64	2.81	2.75	4.97	2 98	3.89	3.86	0.29	0.89	5.76	2.50	36.76
1898	4.10	2.27	6.44	2.56	4.60	2.70	6.79	5.53	2.15	4.28	4.14	2 29	47.85
1899	3.29	1 64	3.95	1.28	4.42	1.95	3.73	0 53	5.56	2 21	1.59	2.78	32 93
1900	2.78	2.74	2.25	1.70	2.23	3.71	5.65	5.97	2.19	2.10	4 30	0.99	36.61
1901	1.58	1.20	3.09	2.46	4.32	4.82	3.32	3 58	5.64	0.79	1 62	3.47	35.89
1902	0.63	0.83	2.99	1.55	2.57	5.55	5.26	1 87	3.49	1.52	2.62	4.07	32.95
1903	3.54	3 69	3.29	4.55	1.59	3.69	4.61	6.58	2 07	2.63	2 25	1.95	40.44
1904	5.27	3.90	6.22	6.59	4.45	1.67	4.93	2.03	2.27	0.87	0.40	2 68	41.28
1905	1.83	1.36	2.61	2.51	5.97	7 50	5.14	4.47	5.10	2 32	2.04	2.08	42.93
1906	1 93	1.06	3.57	2.27	2 98	3 81	4.93	7 38	5.16	3.55	2 39	3.79	42.82
1907	6.92	1 09	5.80	2.69	3.48	3 81	3.96	2.04	3 13	2.34	1 33	3.41	40.00
1908	1.96	3.89	5.02	3 64	4.56	2.17	3.44	3.17	0 73	1.22	1 09	3 05	33.94
Mns	3.09	2.89	3.53	2.51	3.92	4 20	4.57	3.02	3 39	2.21	2 74	2.66	38.73

Direction of Prevailing Wind

Stations	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Cleveland	sw.	se.	se.	nw.	se.	se.	se.	se.	se.	se.	se.	sw.	se.
Columbus	sw.	w.	w.	nw.	sw.	sw.	sw.	sw.	s.	s.	sw.	sw.	sw.
Erie, Pa.	sw.	w.	w.	w.	w.	w.	w.	s.	s.	s.	sw.	sw.	s.
Indianapolis, Ind.	w.	nw.	nw.	nw.	s.	sw.	sw.	sw.	s.	s.	nw.	sw.	sw.
Pittsburg, Pa.	w.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	w.	w.	nw.
Sandusky	sw.	sw.	sw.	e.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Tiffin	sw.	s.	sw.	sw.	sw.	sw.	sw.	w.	sw.	sw.	s.	w.	sw.
Toledo	sw.	sw.	w.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Wauseon	sw.	w.	nw.	ne.	s.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Wooster	sw.	sw.	sw.	sw.	s.	sw.	s.	s.	s.	s.	sw.	sw.	sw.

Average Number of Days with .01 Inch or More of Precipitation

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Akron	15	12	12	13	11	13	11	11	10	10	9	11	12	135
Bowling Green	15	8	8	9	8	10	7	8	6	6	6	7	9	92
Bucyrus	14	6	6	7	9	11	10	10	7	7	6	6	7	92
Canton	15	15	13	15	13	14	13	12	10	10	10	12	14	151
Cleveland	38	17	15	15	12	14	12	11	10	11	12	14	16	159
Defiance	15	10	10	11	10	12	10	10	7	8	8	10	11	117
Findlay	15	9	8	12	10	12	10	10	8	8	7	8	10	112
Green Hill	15	12	12	12	10	12	12	12	9	8	9	11	11	130
Hiram	15	12	10	11	11	12	10	11	8	8	8	11	12	124
Hillhouse	15	13	12	12	11	13	11	12	9	10	10	12	13	138
Hudson	13	9	9	10	11	12	10	12	10	9	9	11	9	121
Medina	14	9	8	10	10	11	10	11	8	7	7	8	8	107
Montpelier	14	8	7	8	6	10	7	8	5	6	5	6	7	83
Norwalk	15	8	7	10	10	11	10	10	7	7	6	7	9	102
Oberlin	15	10	10	10	9	11	10	10	8	7	7	8	11	111
Ottawa	14	11	9	12	10	12	10	9	9	7	7	9	10	115
Sandusky	32	14	12	13	12	13	12	10	9	9	10	11	13	138
Shenandoah	15	11	11	12	9	11	11	11	8	7	7	9	11	118
Tiffin	15	12	12	13	12	12	12	12	9	9	8	11	13	135
Toledo	28	13	11	13	11	12	11	10	9	9	10	12	13	128
Warren	15	12	12	12	10	11	11	11	9	8	8	11	13	128
Wauseon	15	14	13	15	12	14	12	11	8	11	11	12	14	147
Wooster	25	13	10	13	11	13	11	10	8	8	8	10	11	126

Snowfall

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Akron	18	11.2	9.1	6.0	3.3	0.2	....	....	....	T.	0.1	3.3	9.0	42.2
Bowling Green	16	7.6	8.6	4.8	1.1	T.	....	....	....	....	T.	2.4	7.1	31 6
Bucyrus	12	8.4	7 6	5.9	0.5	T.	....	....	....	....	0.2	1.0	6.4	30.0
Canton	18	9.7	8.0	5.6	4.2	0.3	T.	....	....	T.	0.1	2.7	7.5	38.1
Cleveland	23	10.6	10.1	5.7	1.6	T.	T.	....	....	T.	0.3	3.1	9.6	41.0
Defiance	16	7.2	8 7	4.5	0.5	T.	....	....	....	T.	T.	1.8	8.1	30.8
Findlay	18	8.4	9.1	4.9	0.4	T.	....	....	....	....	T.	1.0	5.8	29.6
Garrettsville	18	12.1	9.8	7.7	4 3	0.1	....	....	....	T.	0 3	4.5	10.6	49.4
Green Hill	17	8.6	7.4	5.1	3 1	T.	....	....	....	T.	0.1	2.0	7.1	33 4
Hillhouse	17	15.0	13.3	7.3	3.2	0.1	....	....	....	T.	1.0	5.7	16.0	61.6
Hiram	18	11.9	10.0	7.2	3.6	0.1	....	....	....	T.	0.1	5.6	10.7	49.2
Medina	15	9.5	7.9	6.6	3.4	0.1	....	....	....	T.	0.3	2.9	9.6	40.3
Montpelier	17	12.0	12.5	4.8	1.3	0.1	....	....	....	T.	T.	3.3	9.9	43 9
Napoleon	16	6.2	6.6	4 9	0.9	0.1	....	....	....	....	T.	1.9	6.6	27 2
Norwalk	16	8.0	8.2	5.5	1.1	T.	....	....	....	....	T.	2.0	7.8	32.6
Oberlin	17	10.2	9.2	4.7	1.2	T.	....	....	....	....	0.2	2.5	7.4	35.4
Ottawa	15	9.3	6.6	5.4	0.2	T.	....	....	....	....	T.	1.5	7.2	30.2
Rocky Ridge	15	6.9	7.0	4.3	0.4	T.	....	....	....	....	T.	1.6	6.4	26.6
Sandusky	25	8.5	7.1	3.7	1.3	T.	....	....	....	....	T.	1.1	5.5	27.2
Shenandoah	16	7.8	6.5	5.8	2.1	T.	....	....	....	....	T.	2.5	5.8	30.5
Tiffin	18	10.6	10.0	7.2	0.8	T.	....	....	....	....	T.	1.6	8.4	38.6
Toledo	24	8.5	8.0	5.0	1.5	T.	....	....	....	....	T.	1.3	7.2	31.5
Warren	17	13.0	12.1	7.5	5.4	T.	....	....	....	T.	0 5	3.6	12.2	54 3
Wauseon	18	11.6	11.8	7.4	1.7	0 2	....	....	....	T.	T.	3.1	10.6	46.4
Wooster	18	10.8	7 2	4.8	2.4	T.	....	....	....	....	T.	2.0	7.2	34 4

Monthly and Annual Mean Temperatures

Akron	22	27.3	25.8	36.6	47.8	59.4	68.2	72.3	69.9	64.3	51.6	40.0	30.8	49.5
Benton Ridge	16	27.3	25.1	38.6	49.3	61.0	69.6	74.1	71.6	65.9	53.1	40.4	29.8	50.5
Bowling Green	16	26.1	23.0	37.4	48.0	59.7	68.0	72.9	70.5	65.2	52.3	39.3	28.6	49.2
Bucyrus	16	27.1	23.7	37.9	48.6	60.7	68.8	73.6	71.0	65.4	51.6	39.1	29.3	49.7
Canton	26	27.0	26.9	36.5	48.1	59.7	68.6	72.2	69.6	64.0	51.5	39.9	31.0	49.6
Cleveland (W. B.)	38	26.7	26.8	34.5	45.8	57.9	67.1	71.7	70.0	64.1	52.8	40.2	30.9	49.0
Cleveland (Hyde)	50	27.1	27.9	34.7	46.7	58.3	67.7	71.9	69.6	63.4	52.1	40.4	31.3	49.3
Cleveland (St. Ig. Col.)	13	27.4	24.2	37.0	45.9	58.3	67.2	72.8	70.3	64.7	53.0	41.0	29.1	49.2
Defiance	15	26.2	23.4	37.8	48.1	60.3	68.4	73.1	71.1	65.2	53.0	39.5	29.0	49.6
Findlay	20	26.9	26.2	37.8	49.2	60.4	69.9	74.2	71.9	65.9	52.7	40.1	30.7	50.5
Garrettsville	24	25.1	24.0	34.5	45.9	56.9	65.4	69.6	67.0	61.5	49.3	38.6	29.2	47.2
Green Hill	16	26.1	23.5	37.5	46.5	58.1	66.2	70.7	68.7	63.3	50.8	38.6	28.9	48.2
Hedges	14	26.5	22.8	38.4	48.9	60.0	68.4	73.3	70.8	65.7	52.5	39.4	28.5	49.6
Hillhouse	16	25.4	21.8	34.9	44.8	56.9	65.2	70.6	68.2	63.4	51.6	39.2	28.9	47.6
Hudson	15	26.0	23.4	36.5	46.5	59.7	67.5	72.3	69.7	64.0	51.5	39.6	27.5	48.7
Medina	15	26.3	23.7	37.3	47.5	59.7	67.6	72.4	70.7	65.2	52.2	40.8	28.9	49.4
Montpelier	17	23.3	22.6	34.7	47.7	58.8	67.9	72.4	70.0	63.8	51.1	37.8	28.0	48.2
Napoleon	16	26.4	23.1	38.1	48.5	60.0	68.5	73.0	71.1	65.3	53.0	40.1	29.4	49.7
North Royalton	16	26.0	23.1	36.9	47.0	58.5	67.6	72.4	70.4	65.3	52.9	39.8	29.2	49.1
Norwalk	15	26.9	23.5	37.6	47.3	60.1	68.2	72.9	70.5	65.1	52.9	40.5	30.3	49.6
Oberlin	26	25.8	25.8	35.7	47.3	58.8	67.9	72.4	69.4	64.1	51.8	39.9	30.5	49.1
Orangeville	18	25.1	23.7	36.2	46.6	58.5	67.0	70.9	68.6	62.6	50.4	38.3	29.1	48.1
Ottawa	15	27.2	25.0	38.7	49.6	61.0	69.3	73.8	72.1	65.9	53.1	41.0	29.5	50.5
Rocky Ridge	14	26.3	23.6	36.9	47.9	60.5	68.7	73.9	71.9	66.5	53.5	40.5	29.7	50.0
Sandusky	32	26.9	27.1	35.7	47.2	59.1	68.6	73.6	71.7	65.8	53.9	41.1	31.5	50.2
Shenandoah	16	26.1	23.1	37.0	47.0	58.8	67.1	72.0	69.9	64.4	51.7	38.8	28.8	48.7
Tiffin	23	27.3	26.6	36.9	48.8	60.2	69.5	73.6	70.9	65.0	52.1	40.4	31.1	50.2
Toledo	38	26.1	26.7	35.4	47.4	59.2	68.8	73.2	70.9	64.5	52.6	39.8	30.1	49.5
Upper Sandusky	26	26.8	27.4	37.3	49.9	60.6	69.7	73.8	71.0	65.8	53.2	41.0	31.1	50.6
Vickery	15	26.9	23.7	37.5	47.7	59.6	68.3	73.2	71.0	65.5	52.8	40.0	29.9	49.7
Warren	16	26.4	25.2	37.2	46.8	58.6	67.5	72.3	69.8	64.2	51.4	40.3	29.8	49.1
Wauseon	39	23.6	24.7	34.5	37.1	58.9	68.6	72.8	70.3	63.6	51.0	37.1	27.7	48.3
Wellington	14	27.6	24.9	38.4	48.0	60.2	68.5	73.5	71.2	66.3	53.2	40.5	30.6	50.2
Wooster	24	26.5	25.8	36.5	47.7	58.6	67.8	71.4	68.9	63.7	51.1	39.8	30.8	49.0
Youngstown	14	27.1	29.0	35.8	49.3	59.7	69.4	72.3	69.0	63.2	50.2	40.2	31.7	49.7

Highest Temperatures by Months

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Akron	22	73	67	80	87	94	95	98	96	96	87	73	65	98
Bowling Green	15	72	67	81	88	97	101	104	98	99	90	76	64	104
Bucyrus	15	76	72	80	90	96	98	105	100	100	90	80	66	105
Canton	25	71	69	78	88	94	98	99	96	93	88	75	67	99
Cleveland (W. B.)	38	71	72	79	87	92	96	97	99	98	87	74	68	99
Cleveland (Hyde)	22	69	69	79	90	90	92	96	94	93	85	74	66	96
Defiance	15	69	68	83	91	98	101	100	101	98	92	78	66	101
Findlay	18	74	68	84	91	97	100	104	101	102	94	80	67	104
Garrettsville	18	74	68	81	87	93	94	98	97	96	89	73	67	98
Green Hill	16	72	68	83	88	98	104	102	97	99	90	75	67	104
Hedges	14	70	64	82	91	98	101	105	103	100	90	75	67	105
Hillhouse	16	71	68	82	88	91	95	100	96	95	89	75	68	100
Hudson	13	71	66	82	88	92	95	100	97	98	90	76	65	100
Medina	14	72	65	82	86	96	98	99	98	99	93	75	64	99
Montpelier	17	61	63	78	86	95	97	100	97	96	89	74	62	100
Napoleon	17	70	68	81	90	98	102	104	97	98	91	75	67	104
North Royalton	16	71	65	80	88	94	95	102	98	97	93	72	64	102
Norwalk	15	72	67	82	92	98	103	102	99	100	90	76	64	103
Oberlin	25	73	66	81	93	95	98	101	100	98	91	74	65	101
Orangeville	16	75	65	81	87	93	94	98	95	96	86	72	69	98
Ottawa	14	71	65	84	90	96	100	102	102	98	90	74	69	102
Rocky Ridge	14	73	68	81	91	98	99	104	100	100	91	75	68	104
Sandusky	32	72	70	80	89	93	96	100	98	96	90	76	70	100
Shenandoah	16	70	64	79	89	96	97	100	97	97	90	76	64	100
Tiffin	18	71	65	79	88	94	96	98	95	95	86	74	64	98
Toledo	38	71	67	80	88	95	99	99	97	95	90	74	70	99
Upper Sandusky	25	72	66	80	89	95	97	101	98	101	92	79	65	101
Vickery	15	73	71	81	92	93	98	103	98	98	92	75	64	103
Warren	18	74	68	82	88	97	101	100	98	97	89	75	72	101
Wauseon	39	70	64	81	91	103	100	104	102	100	94	94	70	104
Wellington	14	71	67	81	89	92	96	102	97	98	88	76	64	102
Wooster	24	72	65	82	92	97	98	100	96	98	92	72	64	100

Lowest Temperatures by Months

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Akron	22	−14	−20	− 2	16	30	37	41	40	32	21	4	− 8	−20
Bowling Green	15	−20	−18	− 2	17	27	32	41	36	26	13	3	−13	−20
Bucyrus	15	−15	−28	− 6	15	25	34	44	42	28	12	4	−12	−28
Canton	25	−18	−20	− 7	17	28	38	44	42	30	18	0	−11	−20
Cleveland (W. B.)	38	−17	−16	− 4	15	28	38	46	46	36	24	0	−12	−17
Cleveland (Hyde)	22	−14	−18	− 5	11	30	37	48	44	35	24	6	−8	−18
Defiance	15	−18	−17	− 3	15	25	36	43	41	26	14	4	−10	−18
Findlay	18	−19	−19	− 3	17	27	33	44	40	24	15	5	−11	−19
Garrettsville	18	−26	−24	− 8	10	22	32	38	35	25	16	3	−16	−26
Green Hill	16	−23	−25	−11	9	21	32	37	37	25	15	2	−18	−25
Hedges	14	−21	−20	− 4	16	24	35	41	39	24	7	5	−14	−21
Hillhouse	16	−16	−24	− 9	6	15	29	38	39	26	16	2	−11	−24
Hudson	13	−20	−22	− 8	10	24	35	38	39	26	19	6	−14	−22
Medina	14	−19	−23	−10	10	24	34	39	41	29	16	0	−14	−23
Montpelier	17	−25	−18	− 5	17	26	37	42	38	28	13	0	−15	−25
Napoleon	17	−19	−22	− 1	13	28	36	40	41	26	14	4	−11	−22
North Royalton	16	−18	−20	− 5	14	27	30	43	42	31	20	10	−11	−20
Norwalk	15	−22	−22	− 3	16	19	29	34	35	23	12	5	−13	−22
Oberlin	25	−18	−20	− 9	15	25	31	43	38	29	20	2	−14	−20
Orangeville	16	−28	−26	−10	15	20	32	36	38	23	15	3	−16	−28
Ottawa	14	−20	−20	− 2	17	27	38	43	43	29	13	8	−12	−20
Rocky Ridge	14	−19	−18	− 3	18	27	37	44	48	29	19	8	−12	−19
Sandusky	32	−16	−15	− 3	14	32	40	52	48	36	24	0	−13	−16
Shenandoah	16	−21	−23	− 5	13	26	30	42	42	29	15	4	−14	−23
Tiffin	18	−16	−17	− 1	19	31	36	47	45	32	19	10	− 8	−17
Toledo	38	−16	−16	− 3	12	30	41	49	44	30	21	5	−15	−16
Upper Sandusky	25	−22	−22	− 3	16	25	35	40	42	30	17	−1	−19	−22
Vickery	15	−17	−20	− 2	18	27	35	40	41	31	20	7	−10	−20
Warren	18	−22	−20	−10	15	24	34	40	34	26	20	8	−10	−22
Wauseon	39	−32	−24	−17	5	21	34	41	38	25	12	−8	−32	−32
Wellington	14	−16	−18	− 2	16	25	31	39	41	31	20	8	−11	−18
Wooster	24	− 21	−21	− 5	12	25	35	40	37	28	16	−6	−11	−21

Mean Relative Humidity

Stations		January	February	March	April	May	June	July	August	September	October	November	December	Annual
		%	%	%	%	%	%	%	%	%	%	%	%	%
Cleveland, Ohio*	8 a. m.	79	79	78	71	74	75	75	76	77	75	77	77	77
	8 p. m.	76	75	74	68	66	67	65	66	68	69	73	73	70
Columbus, Ohio*	8 a. m.	84	82	80	74	75	77	76	79	80	81	82	83	79
	8 p. m.	77	74	69	61	61	63	59	61	62	64	70	76	66
Erie, Pa.*	8 a. m.	82	83	81	73	74	74	71	72	74	74	76	80	76
	8 p. m.	79	81	78	72	72	72	68	69	71	71	73	76	74
Indianapolis, Ind.*	8 a. m.	83	80	78	72	73	75	71	76	77	78	79	80	77
	8 p. m.	76	74	68	61	62	61	58	58	60	59	67	73	65
Pittsburg, Pa.*	8 a. m.	80	80	78	73	74	75	75	78	79	78	78	78	77
	8 p. m.	74	72	68	62	62	64	62	61	63	68	68	72	66
Sandusky, Ohio*	8 a. m.	82	81	79	73	72	75	73	73	75	74	78	80	76
	8 p. m.	78	77	74	67	67	69	65	66	67	68	73	74	70
Toledo, Ohio*	8 a. m.	85	84	80	74	74	75	75	77	79	79	81	84	79
	8 p. m.	78	76	72	64	64	65	62	64	66	68	72	76	69

* 75th meridian time.

Average Hourly Wind Movement (in miles)

Cleveland, Ohio	13	13	13	12	10	9	9	9	10	12	14	14	11
Columbus	9	10	10	9	8	7	7	6	7	8	9	9	8
Erie, Pa	13	12	12	11	10	8	9	8	10	11	13	13	11
Indianapolis, Ind	12	12	12	11	10	9	8	7	8	9	10	12	10
Pittsburg, Pa.	8	8	8	7	6	6	5	5	5	6	7	8	7
Sandusky, Ohio	11	11	12	11	10	9	8	8	9	10	11	11	10
Toledo, Ohio	11	11	11	11	9	8	8	8	9	9	11	11	10

Frost Data

Stations	Years of record	Average date of first killing frost in autumn	Average date of last killing frost in spring	Earliest date of killing frost in autumn	Latest date of killing frost in spring
Akron	18	October 9	April 27	September 26	May 21
Bowling Green	17	October 2	May 10	September 14	June 6
Bucyrus	16	October 3	May 9	September 14	May 31
Canton	18	October 5	April 27	September 15	May 21
Cleveland	38	October 31	April 16	October 2	May 22
Defiance	15	September 29	May 7	September 14	May 31
Findlay	18	October 4	May 3	September 14	May 31
Garrettsville	22	September 29	May 18	September 14	June 9
Green Hill	17	September 28	May 16	September 14	June 2
Hedges	15	September 30	May 13	September 14	June 7
Hillhouse	17	October 3	May 18	Septembor 16	June 21
Hudson	15	October 2	May 8	September 16	May 29
Medina	15	October 6	May 9	September 15	May 29
Montpelier	17	September 30	May 2	September 14	May 28
Napoleon	21	October 5	May 4	September 15	May 31
New Waterford	14	October 1	May 9	September 16	May 29
North Royalton	17	October 11	May 2	September 22	May 29
Norwalk	16	October 5	May 10	September 14	June 6
Oberlin	17	October 7	May 7	September 22	June 6
Orangeville	19	September 30	May 17	September 14	June 9
Ottawa	16	October 8	May 1	September 14	May 22
Rocky Ridge	15	October 6	May 6	September 14	May 29
Sandusky	32	October 26	April 14	October 8	May 3
Shenandoah	17	October 3	May 9	September 14	June 6
Tiffin	22	October 3	May 5	September 14	June 6
Toledo	38	October 15	April 24	September 9	May 29
Upper Sandusky	18	October 4	May 4	September 14	June 6
Vickery	17	October 5	May 9	September 15	June 6
Warren	16	October 2	May 12	September 15	May 29
Wauseon	40	September 27	May 12	September 2	June 1
Wellington	15	October 7	May 9	September 21	June 6
Wooster	24	October 3	May 7	September 14	May 28

HYDROGRAPHIC DATA FOR SECTION 69

Summary of Climatological Data for the United States

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY

By R. H. BOLSTER, *Assistant Engineer*

PRELIMINARY NOTE: Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This Section comprises the headwaters of Mahoning River, which stream flows into Ohio River, on the east, and various streams flowing into Lake Erie from the Pennsylvania State line to the westerly end of the lake.

Mahoning River rises in the northwesterly part of Columbiana County, Ohio, flowing northward and thence southeastward, and entering Ohio River, at Beaver, Pa. This river flows through a hilly and important territory. There are numerous water-power developments on it, and it forms an important adjunct in the water supply and sewage disposal of numerous towns along its course. Among these towns is Youngstown, Ohio, where a United States Geological Survey gaging station is maintained.

The Maumee River system, which is the most important in this section flowing into Lake Erie, has the greater part of its drainage area within the State of Ohio. This river appears to have formerly flowed southwestward to the Wabash River, the northeast outlet of Lake Erie being at that time occupied by the ice sheet. Upon the withdrawal of the ice sheet from the St. Lawrence Basin, the glacial lake which occupied the westerly end of the Lake Erie Basin lowered itself to the level of the new outlets that were formed, and thus ceased to flow to the Wabash. The mouth of the old lake being near the point where the St. Mary and St. Joseph rivers had their discharge, and being higher than the portion of the basin toward the east and the portion of the outlet toward the west, there was a natural summit formed upon the withdrawal of the lake, from which the waters of the St. Joseph and St. Mary rivers were free to flow either to the east or to the west. By some accident of deposition or of slope, the stream found it easier to turn eastward than to maintain its original course westward, and thus the Lake Erie drainage basin embraces this system as well as those which have been formed in the old lake bottom or were tributary to the old lake.

Maumee River has a length of about 150 miles and a fall of 164 feet, the source being 787 feet and the mouth 578 feet above tide. It is not in itself a navigable stream, but is followed closely by the Wabash and Erie Canal, which for many years afforded means of water transportation.

The following tables show in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month during the entire period covered by the table. The two remaining columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in an average month, if all the water flowing from it during that month were conserved and uniformly distributed on the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly Discharge of Mahoning River near Youngstown, Ohio, for 1903—1906

[Drainage area 958 square miles]

Month	Discharge in cubic feet per second				
	Maximum	Minimum	Mean	Per square mile	Depth in inches on drainage area
January	4,330	136	763	.796	.92
February	1,580	80	386	.403	.42
March	13,100	406	3,530	3.68	4.24
April	19,400	286	1,480	1.54	1.72
May	12,500	51	855	.892	1.03
June	15,600	52	905	.945	1.05
July	1,230	8	545	.569	.66
August	8,140	0	700	.731	.84
September	3,470	0	594	.620	.69
October	1,700	0	406	424	.49
November	5,260	8	650	.678	.76
December	5,520	0	659	.688	.79
The period	19,400	0	956	.997	13.61

Monthly Discharge of Maumee River near Waterville, Ohio, for December, 1898—January, 1902

[Drainage area, 6,110 square miles]

Month	Discharge in cubic feet per second				
	Maximum	Minimum	Mean	Per square mile	Depth in inches on drainage area
January	33,200	480	6,140	1.00	1.15
February	26,800	580	5,990	.980	1.02
March	42,800	2,240	15,400	2.52	2.90
April	14,000	1,020	5,940	.972	1.08
May	22,800	200	2,020	.331	.38
June	15,200	150	2,700	.442	.49
July	14,200	3	1,630	.267	.31
August	4,940	5	657	.108	.12
September	990	5	109	.018	.02
October	1,020	5	112	.018	.02
November	9,700	10	1,080	.177	.20
December	32,100	10	3,660	.599	.69
The period	42,800	3	3,790	.619	8.38

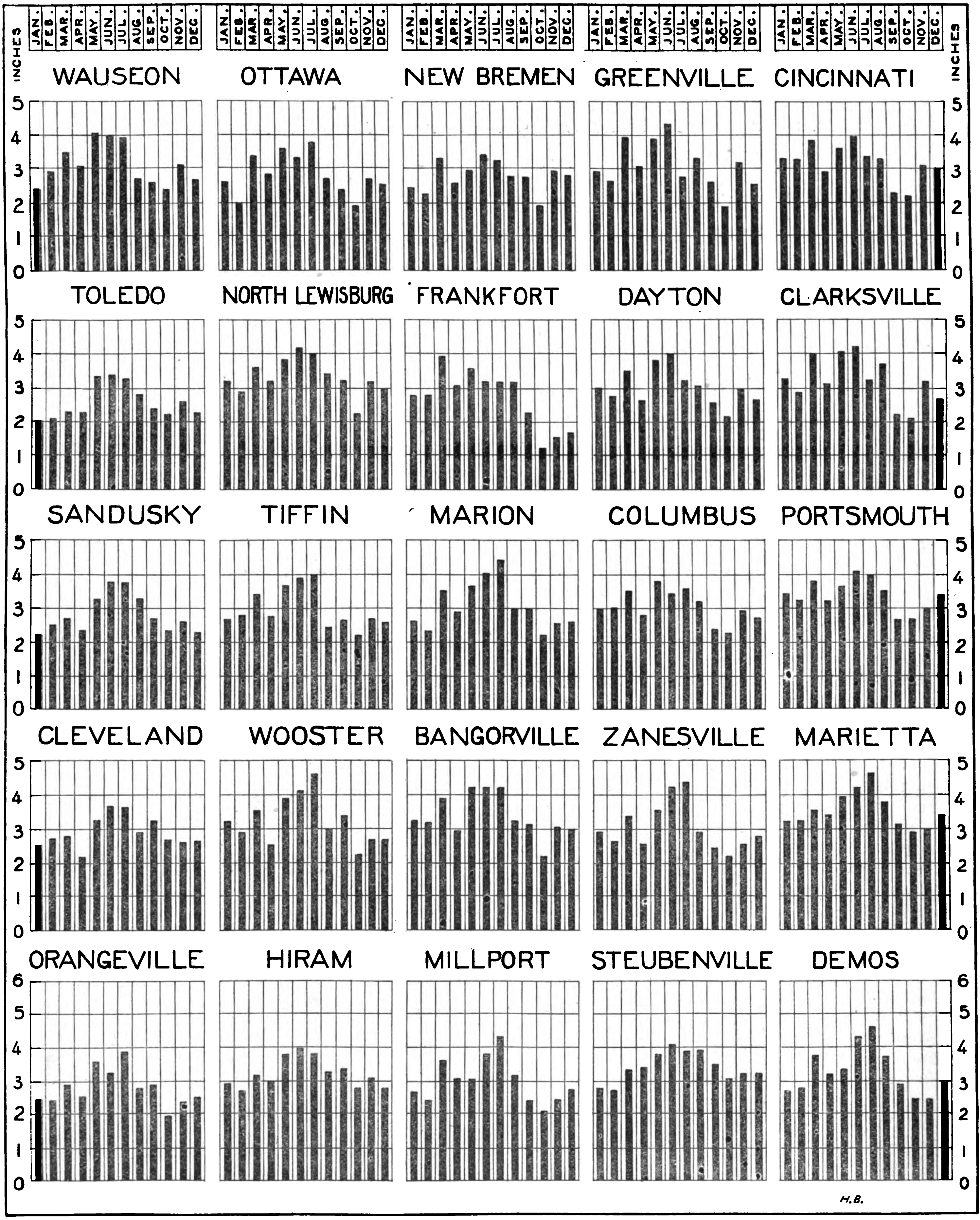


FIG. 1—Diagram showing the comparative monthly distribution of precipitation in Ohio.

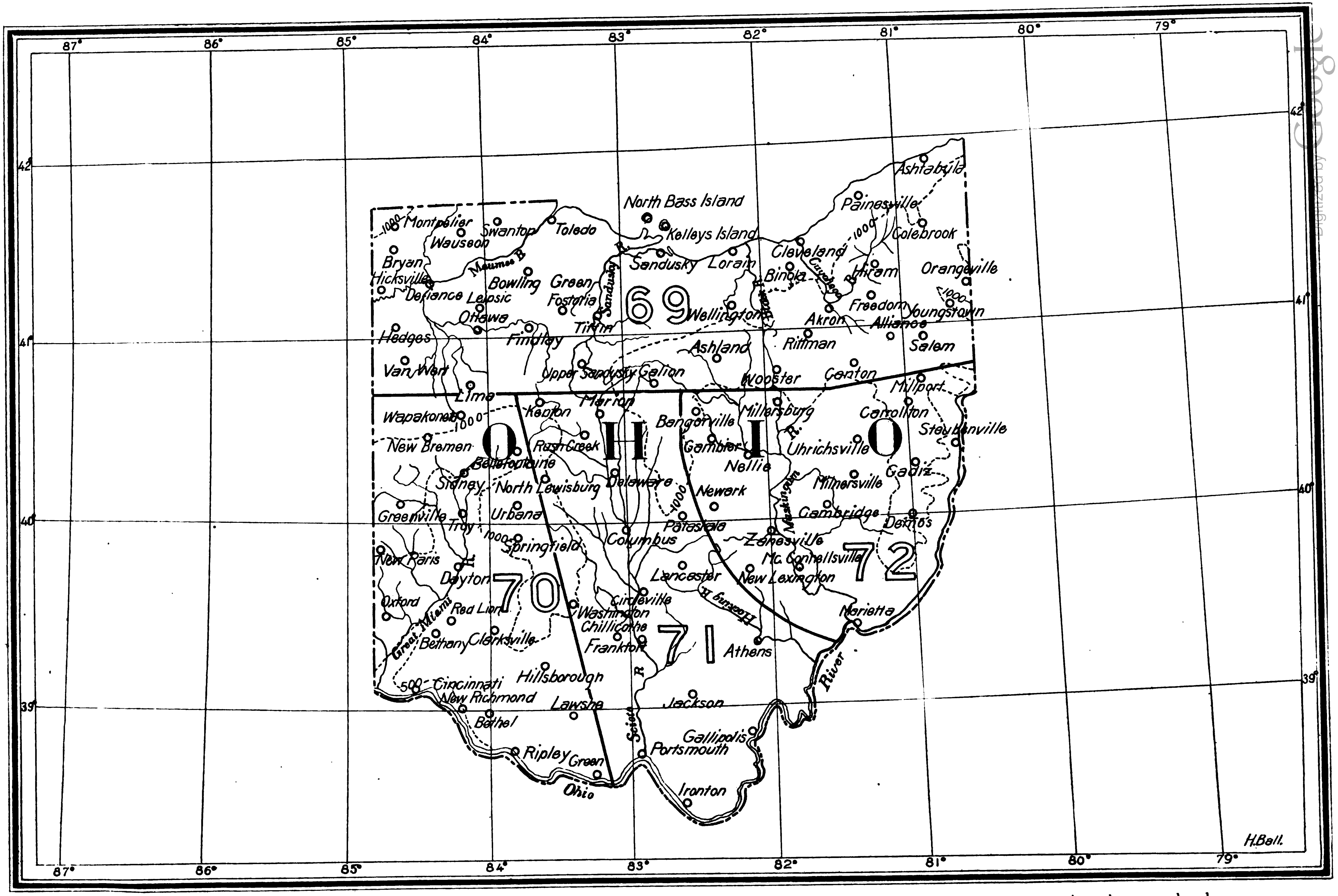


Fig. 2—Chart showing the boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Chief of Division.

SECTION 70—SOUTHWESTERN OHIO.

The territory embraced in this Section includes the Great Miami watershed, the Little Miami basin, the watersheds of several small streams flowing into the Ohio River between the Little Miami and Scioto rivers, and those of the St. Mary's River and the extreme headwaters of the Wabash River. The total area is not far from 8,000 square miles.

The Great Miami River rises in the Lewistown Reservoir in Logan County and is 168 miles in length. In this watershed there are greater extremes in elevation than in any other portion of the State, but the slopes are more uniform and the surface is more rolling than in the Muskingum valley. All of the streams flow at rapid rates. Between the reservoir and DeGraff, a distance of 26 miles, the rate of fall is 3.5 feet per mile; between DeGraff and Piqua, 27 miles, 4.4 feet; between Piqua and Dayton, 33 miles, 3.8 feet; between Dayton and Hamilton, 44 miles, 3.6 feet per mile. In 1880 a total of 9,431 horsepower was developed in 290 mills, manufacturies, etc., on the Miami and its tributaries.

The northwestern part of this watershed consists of comparatively level elevated areas, marked with rolling glacial moraines. As the entire area of this Section has been glaciated the surface presents the smoothed-over appearance that characterizes such districts, and no abrupt changes are to be found except where the streams have cut out their valleys in the soft drift. The surface is covered with wide areas of heavy limestone soil, although some of the valleys contain extensive alluvial deposits. The whole district is essentially an agricultural one. The Lewistown Reservoir is 968 feet above sea level and contains 6,184 acres, and the area of its watershed exclusive of the reservoir is 101 square miles.

The Little Miami River is southeast of the Great Miami and is about 100 miles in length. The headwater portion occupies shallow valleys, but the lower portion of the main stream flows through a valley 200 to 300 feet or more in depth. The stream as a rule falls at the rate of 8 to 6 feet per mile and is considered to be one of the best power rivers in the State. In 1880 this stream had 59 mills and manufacturing establishments using 1,947 horse power.

The Grand Reservoir, the headwaters of the Wabash River, is mainly in eastern Mercer County, Ohio, at an elevation of 875 feet above sea level. It is 3 miles in width and 10 miles in length. Its area is 13.440 acres and its watershed comprises only 98 square miles, exclusive of its own area.

TEMPERATURE.

The average annual temperature of Section No. 70 varies from 50° at Bellefontaine in the northern part to 55° at Cincinnati on the Ohio River. The highest mean monthly temperature is in July and highest temperature for the year is usually recorded in that month. At Green in southeastern Adams County, however, the highest temperature ever recorded is 100° in September, and at Hillsboro, Highland County, the highest recorded is 105° in both July and September. A temperature above 99° has never been recorded at Urbana in a record covering 61 years, while at Jacksonburg and Camp Dennison temperatures of 109° have been reached. The temperature has been above 100° at some station in the Section in June, July, August, and September, and reached 90° at Green in March.

At the stations having records of over 25 years the average monthly temperature is lowest in January, but at those points having records of less than about 25 years February shows the lowest average temperature. The lowest temperature usually occurs in February, but at some of the points the lowest record has been in January, The temperature has been below zero at all stations in December, January, and February, at most points in March, and at a few in November. The temperature has fallen below freezing every month, except during June, July, and August. The temperature was only 33° at Urbana in June, 1859, 34° in August, 1856, and 35° in August, 1863. The lowest ever recorded varies from —17° at Cincinnati to —34° at Sidney.

PRECIPITATION.

The annual precipitation averages slightly above 40 inches along the Ohio River and generally below 38 inches in the northern part of this Section. The average for all the stations under consideration is 38 inches. The greatest annual rainfall at Cincinnati in a record from 1835 to 1908, inclusive, is 65.18 inches in 1847, and the least is 17.99 inches in 1901.

June is usually the wettest month, although at part of the stations the average monthly rainfall has been greatest in July, and at others in May. October is the driest month. There have been a few months when the rainfall has been over 10 inches at some of the stations. The greatest montly fall on record in this part of the State is 17.83 inches in June, 1877, at Carthagenia. The record at this station shows a rainfall of 12.90 inches in June and 12.16 inches in July, 1875. This station is about 8 miles south of Celina.

The annual snowfall varies from about 25 inches in the northern portion to less than 20 inches in the southern portion of this Section.

FROST.

The average date of the first killing frost in the fall in this part of the State is October 9, and the average date of the last killing frost in the spring, April 28. The time covered by the frost records, however, is less than 20 years, except at Cincinnati, where it is 37 years. The average length of the growing season is 164 days. The earliest date at which a killing frost occurred in the fall is September 14th at 7 stations and the latest date in the spring May 31st at 2 stations.

MISCELLANEOUS.

The average number of rainy days in the year is 112. The prevailing wind direction is southwest, and the average hourly wind movement 8 miles. The average annual relative humidity is 71%.

J. WARREN SMITH, SECTION DIRECTOR.

Precipitation in Southwestern Ohio. Monthly, annual and average amounts (in inches and hundredths).

[Figures in bold-face type estimated from surrounding stations.]

Bellefontaine, Logan County

Elevation, 1,276 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1856	0.88	2.72	0.49	....	1.62	6.64	1.71	2.21	....	....	....	....	....
1857	....	....	....	....	....	....	....	....	....	....	....	....	....
1858	2.50	3.00	0.90	10.40	8.30	6.30	3.70	2.70	1.42	6.34	3.51	5.12	54.19
1859	1.90	2.61	2.94	5.54	1.76	5.02	0.73	2.25	2.99	1.04	5.46	3.09	35.33
1860	....	....	....	....	....	....	....	....	3.08	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1870	....	....	....	....	....	....	....	3.40	1.50	3.86	2.25	2.72	....
1871	1.17	2.51	3.57	2.76	2.86	3.03	2.73	9.80	0.30	1.15	4.01	2.45	36.34
1872	1.53	1.39	1.02	3.24	2.78	2.06	8.01	4.67	1.42	2.83	0.94	3.28	33.16
1873	3.35	2.03	2.56	4.49	4.50	4.30	7.07	2.94	1.80	3.39	2.39	4.86	43.68
1874	3.69	4.05	2.82	3.38	1.22	2.71	1.54	5.29	1.90	0.29	3.15	1.97	32.01
1875	1.27	1.71	3.42	1.59	3.81	7.50	7.06	2.90	2.66	2.67	3.93	3.40	41.92
1876	5.24	3.65	5.36	2.41	3.71	3.30	7.09	2.06	7.45	3.25	2.60	1.25	47.37
1877	1.57	1.30	7.56	2.13	2.45	10.91	3.21	1.86	1.09	1.56	3.66	1.85	39.15
1878	3.98	2.54	4.04	3.42	2.09	4.09	9.78	4.18	4.24	3.15	2.58	3.61	47.70
1879	2.34	3.02	5.19	0.88	2.01	4.24	6.99	5.90	5.40	0.80	4.45	4.12	45.34
1880	5.33	3.83	3.45	6.21	4.60	3.50	4.08	8.43	2.16	1.95	3.74	2.19	49.47
1881	1.96	4.29	6.82	2.53	2.73	3.82	3.65	1.77	1.37	5.46	4.44	2.97	41.80
1882	2.80	4.78	4.23	3.45	7.87	3.45	2.90	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1894	0.94	3.98	3.03	2.06	4.92	2.53	0.80	3.18	4.29	3.88	3.19	2.26	35.06
1895	3.72	0.62	1.38	3.32	0.95	2.67	0.96	3.42	0.44	2.17	5.85	3.57	29.06
1896	1.77	1.17	3.92	2.57	2.87	4.38	6.32	1.69	7.33	0.60	0.93	1.54	35.09
1897	1.86	2.61	5.04	1.92	5.77	2.08	6.29	1.35	0.57	1.25	6.43	0.90	36.07
1898	3.26	**2.55**	**7.60**	2.96	4.08	2.53	3.71	4.19	3.03	4.11	2.75	**2.65**	43.62
1899	**3.49**	1.10	3.06	0.87	2.47	1.09	5.46	1.15	1.23	1.87	1.72	2.23	25.74
1900	1.60	2.55	2.12	2.78	**1.55**	5.65	3.76	3.43	2.64	2.78	2.75	**1.11**	32.72
1901	0.86	**1.09**	**3.17**	1.96	2.99	1.86	1.33	1.90	1.93	1.33	1.65	3.35	23.42
1902	1.00	0.70	2.74	2.09	2.04	7.41	3.70	2.51	6.26	1.85	2.59	**3.44**	36.33
1903	2.16	4.25	2.38	3.30	2.69	5.41	2.70	1.91	0.94	2.00	2.82	**1.80**	32.36
1904	3.83	2.88	8.14	4.55	2.86	4.11	3.78	2.04	1.93	0.99	0.19	3.67	38.97
1905	1.88	1.19	1.78	4.46	5.27	6.05	2.21	7.22	5.70	5.13	1.47	2.00	44.36
1906	2.08	0.86	3.95	1.35	3.23	2.37	5.50	2.27	1.59	2.49	2.91	3.97	32.57
1907	6.77	1.15	4.44	2.97	4.13	4.65	9.47	2.16	2.91	1.92	2.05	4.10	46.72
1908	2.02	4.55	6.37	3.41	4.95	1.54	3.77	2.40	0.50	0.59	0.68	2.11	32.89
Mns	2.56	2.49	3.79	3.21	3.44	4.17	4.33	3.37	2.67	2.44	2.93	2.81	38.21

Bethany, Butler County

1892	....	....	....	....	....	....	....	....	2.38	0.16	2.73	1.37	....
1893	2.89	5.55	2.02	8.02	6.64	3.51	1.14	1.64	3.04	3.18	1.98	2.67	42.28
1894	2.57	4.13	1.94	2.08	3.85	3.20	0.05	1.66	2.31	0.90	1.32	3.77	27.78
1895	5.70	0.55	1.30	2.28	1.74	2.03	1.19	2.34	0.31	0.69	4.74	2.62	25.49
1896	2.04	1.76	4.13	0.91	2.18	4.12	6.79	5.49	5.89	1.11	3.63	1.21	39.26
1897	2.72	5.16	7.76	3.78	3.30	2.33	6.85	2.70	0.39	0.87	8.53	2.92	47.31
1898	5.84	1.71	7.69	1.56	3.25	2.44	1.86	5.37	3.81	3.18	3.46	2.57	42.74
1899	3.54	1.81	5.76	0.82	5.16	2.75	4.32	4.24	1.94	2.26	1.45	2.69	36.74
1900	3.41	2.77	2.26	1.33	4.48	4.94	4.24	4.02	0.81	1.97	4.47	1.12	35.82
1901	1.24	1.58	2.29	2.11	3.99	2.16	1.35	1.77	2.30	0.93	1.06	3.40	24.18
1902	1.53	1.14	2.12	2.08	4.64	7.02	1.15	0.95	3.55	2.66	3.36	3.92	34.12
1903	2.99	....	....	....	....	....	....	....	....	....	....	....	....
Mns	3.13	2.62	3.73	2.50	3.92	3.45	2.89	3.02	2.43	1.63	3.34	2.57	35.23

Bethel, Clermont County

Elevation, 930 feet

1860	3.42	2.67	3.00	6.70	3.52	2.75	8.60	1.75	4.77	1.20	2.37	4.61	45.36
1861	3.35	2.32	4.00	4.75	5.75	3.62	....	....	....	....	....	4.42	....
1862	....	3.88	5.62	....	1.69	2.23	5.67	2.32	3.35	3.19	2.64	3.39	....
1863	....	....	....	....	....	....	....	....	....	....	....	....	....
1864	2.88	1.41	1.88	2.75	3.00	7.69	1.36	4.17	7.66	4.87	3.56	6.30	47.53
1865	1.70	2.57	4.00	4.67	8.62	2.27	6.37	3.37	6.75	1.50	0.75	4.75	47.32
1866	3.25	1.21	7.76	2.60	0.63	3.37	3.35	5.87	9.05	2.37	4.39	3.37	47.22
1867	2.75	3.38	2.00	1.75	2.75	3.00	2.35	2.25	0.37	2.25	2.50	4.62	29.97
1868	4.23	0.70	5.75	5.05	4.63	3.50	4.38	6.12	6.50	1.13	1.07	2.92	45.98
1869	2.25	3.12	3.55	3.55	4.00	3.50	1.37	0.50	3.75	2.00	4.62	2.92	35.13
1870	7.25	4.60	4.13	2.37	2.25	3.12	3.25	3.63	1.50	1.38	1.50	2.03	37.01
1871	2.25	3.13	2.88	2.12	5.67	1.75	5.25	3.92	0.63	1.12	3.37	4.00	36.09
1872	1.05	2.37	2.10	6.41	3.33	3.98	8.25	4.09	1.88	3.25	1.00	2.65	40.36
1873	2.65	4.00	2.23	3.37	4.87	2.00	4.75	6.13	2.38	5.00	3.25	6.13	46.76
1874	5.00	4.52	3.25	3.62	0.37	2.26	7.75	1.40	1.50	0.63	5.00	3.87	39.17
1875	2.75	2.10	4.75	1.00	3.88	7.00	10.00	2.25	1.12	3.75	5.12	4.50	48.22
1876	7.80	2.75	3.90	3.25	1.25	4.75	5.62	7.38	5.00	4.50	2.38	1.35	49.93
1877	3.10	0.80	6.00	2.75	1.87	5.38	3.50	3.00	1.12	2.00	3.50	3.12	36.14
1878	3.20	1.75	4.75	2.50	2.37	4.00	6.00	4.37	4.37	2.25	3.72	4.50	43.78
1879	3.20	3.60	4.50	2.25	5.25	4.50	2.37	11.62	4.00	0.75	2.75	6.00	50.79
1880	5.00	4.50	3.75	6.75	4.12	9.25	2.12	4.38	1.50	2.38	4.00	4.00	51.75
1881	3.75	3.60	4.38	3.75	0.67	6.00	1.75	2.25	2.25	4.00	3.50	5.38	41.28
1882	5.60	7.25	5.00	2.50	9.00	4.38	4.12	6.37	2.50	1.12	1.38	2.12	51.34
1883	2.60	8.40	3.25	3.75	3.75	4.50	....	....	....	....	....	....	....
Mns	3.59	3.24	4.02	3.56	3.62	4.12	4.70	4.15	3.43	2.41	2.97	3.95	43.76

Camp Dennison, Hamilton County

Elevation, 570 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	....	....	....	....	....	....	....	2.17	2.55	0.32	1.96	1.10	....
1893	3.21	4.09	1.95	8.01	6.03	3.81	3.17	1.07	2.25	2.75	**2.03**	**2.73**	41.10
1894	**2.73**	**3.86**	**2.34**	2.38	3.86	4.23	0.09	2.61	2.11	1.07	1.59	3.47	30.34
1895	6.01	0.36	1.51	2.43	1.75	2.20	1.71	1.94	0.51	0.77	5.10	3.06	27.35
1896	1.64	1.48	3.47	0.64	2.91	4.28	7.24	4.12	3.35	2.00	3.83	1.28	36.24
1897	2.51	4.78	9.91	3.64	2.86	2.27	5.70	1.78	0.35	0.56	6.32	2.39	43.07
1898	7.95	1.94	7.01	1.42	3.26	2.09	1.68	4.59	2.91	3.23	2.93	2.94	41.95
1899	3.71	2.18	5.54	1.25	4.56	3.74	3.47	2.36	2.24	1.84	2.34	3.84	37.07
1900	2.53	2.70	2.13	1.37	6.39	1.49	4.43	4.18	0.68	1.72	5.39	1.21	34.22
1901	1.19	1.39	2.08	2.27	3.06	2.77	1.32	2.08	0.90	0.84	0.80	3.74	22.43
1902	2.41	0.43	1.76	2.11	4.25	6.17	2.77	1.01	3.88	3.16	3.34	5.27	36.56
1903	2.50	6.38	5.63	3.13	5.77	3.40	2.79	3.28	1.56	1.70	1.80	1.81	39.75
1904	2.44	2.55	7.46	2.48	5.49	2.79	1.86	0.69	1.19	0.86	0.53	3.51	31.85
1905	1.67	2.03	2.98	3.19	9.50	2.37	2.80	5.78	2.19	4.64	2.92	3.18	43.25
1906	3.61	1.52	5.98	1.44	2.46	3.47	7.10	6.37	4.58	1.47	3.23	4.04	45.27
1907	8.80	0.60	9.17	3.78	2.17	4.47	7.11	3.18	1.16	3.23	2.09	2.33	48.09
1908	1.38	5.33	3.90	4.39	5.60	1.28	4.36	0.46	0.74	0.44	1.08	1.75	30.71
Mns	3.39	2.60	4.55	2.75	4.37	3.18	3.60	2.80	1.95	1.80	2.78	2.80	36.57

Cedarville, Green County

Elevation, 1,035 feet

1884	....	....	....	3.34	2.69	4.05	....	0.62	3.17	1.01	....	....	....
1885	....	....	0.58	3.92	4.26	3.05	3.16	6.47	2.76	2.62	2.36	1.59	....
1886	3.67	2.36	1.94	3.98	6.27	4.54	2.81	4.67	5.09	1.46	3.11	2.71	42.61
1887	2.40	5.88	2.45	4.83	3.30	1.71	1.00	2.42	1.48	0.45	3.45	3.31	32.68
1888	2.85	1.26	4.07	1.87	4.05	1.74	4.91	4.07	0.50	5.47	5.14	1.33	37.26
1889	3.83	0.70	0.91	1.17	4.83	5.06	2.07	0.57	2.27	1.29	4.55	2.83	30.08
1890	6.17	6.04	5.35	2.82	4.52	3.26	**0.28**	**5.30**	4.55	2.32	2.85	**1.20**	44.66
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1893	1.76	6.58	2.63	**7.30**	**5.82**	**4.10**	**2.37**	1.44	1.62	4.19	2.35	**2.49**	42.65
1894	**2.31**	**3.93**	2.30	1.58	3.72	1.94	2.49	1.80	2.80	0.95	2.16	3.72	29.70
1895	5.20	0.84	1.55	2.33	1.65	3.89	1.74	0.70	0.41	0.86	5.44	4.08	28.69
1896	2.46	2.14	3.38	1.88	4.65	3.92	9.07	3.79	6.64	1.39	3.07	2.34	44.73
1897	2.42	4.61	7.64	4.30	4.01	3.28	4.43	2.26	0.24	0.77	8.90	2.82	45.68
1898	9.45	2.96	11.09	2.01	6.25	2.29	4.51	4.08	2.82	2.98	2.38	2.55	53.37
1899	3.30	1.85	3.89	1.43	2.49	2.28	6.51	0.78	1.22	1.99	1.41	3.31	30.46
1900	3.55	3.44	2.54	2.17	3.03	2.44	3.67	4.05	0.82	2.01	4.93	1.15	33.80
1901	1.70	1.70	2.59	1.38	3.31	2.14	1.66	2.72	2.73	0.48	0.68	3.41	24.50
1902	1.33	1.05	2.17	1.87	1.61	6.79	2.21	0.98	4.58	2.29	3.05	3.86	31.79
1903	2.68	4.78	4.10	3.46	3.57	3.23	1.62	0.69	0.97	2.33	**2.17**	**2.01**	31.61
1904	3.40	2.00	7.35	3.24	3.43	2.15	2.27	1.88	1.83	1.02	0.17	3.22	31.96
1905	1.20	....	....	....	....	....	....	....	....	....	....	....	....
Mns	3.32	3.07	3.70	2.89	3.87	3.26	3.15	2.59	2.45	1.89	3.23	2.66	36.08

Note.—From 1885 to 1890, inclusive, the values given are for Yellow Springs, about six miles northwest of Cedarville, and from 1904 to 1905, inclusive, are for Clifton, about four miles north of Cedarville.

Cheviot, Hamilton County

1856	....	2.79	0.76	1.24	3.06	2.07	3.94	1.69	3.22	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1859	....	....	....	....	....	....	....	....	....	....	4.99	4.52	....
1860	2.99	3.02	0.71	5.51	1.69	1.42	7.20	1.42	5.81	1.71	3.75	2.79	38.02
1861	2.22	2.60	3.12	2.97	6.08	3.45	5.61	3.77	4.22	4.52	2.73	0.90	42.19
1862	7.05	2.43	6.47	....	4.79	1.91	4.14	1.04	0.89	1.29	5.42	5.11	....
1863	....	3.03	3.27	....	2.47	1.25	2.82	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1868	....	....	....	....	....	....	....	....	....	....	....	1.28	....
1869	1.88	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1874	5.18	4.77	2.49	4.73	1.50	4.73	....	1.25	2.28	1.45	6.29	3.02	....
1875	1.80	1.58	3.08	1.93	4.74	6.47	11.45	3.61	0.86	3.80	5.26	3.63	48.21
1876	9.09	3.46	3.99	3.64	0.96	6.69	9.86	....	3.96	4.40	2.38	0.49	....
1877	2.11	0.58	5.26	2.22	1.63	7.07	5.31	2.22	1.89	1.91	3.40	3.33	36.93
1878	4.14	2.35	4.48	3.52	2.30	5.85	6.80	4.97	3.12	2.37	3.10	3.16	46.16
1879	2.47	1.90	4.99	1.85	5.00	5.75	2.96	12.10	3.84	0.40	3.74	6.64	51.64
1880	5.38	4.70	3.13	6.16	6.94	13.47	3.85	6.37	1.42	3.13	4.67	4.40	63.62
1881	3.38	3.89	3.18	3.14	2.00	....	....	....	....	....	....	....	....
Mns	3.97	2.85	3.46	3.36	3.32	5.01	5.81	3.84	2.86	2.50	4.16	3.27	44.41

Note—From 1859 to 1869, inclusive, the values given are for North Bend, about eight miles west of Cheviot.

Georgetown, Brown County

Elevation, 940 feet

1886	3.66	1.50	2.88	3.01	4.75	5.91	4.76	2.97	2.31	0.80	5.89	2.92	41.36
1887	2.50	9.96	1.63	8.28	3.39	3.96	1.60	2.66	3.11	1.01	3.41	2.84	44.35
1888	4.28	2.26	4.91	2.75	2.45	4.83	4.98	8.49	1.62	4.70	5.46	1.38	48.11
1889	3.53	2.22	0.98	1.28	2.33	4.89	4.58	1.51	7.12	3.34	5.91	1.68	39.37
1890	6.52	7.08	7.25	2.94	3.39	6.38	2.18	8.39	2.17	4.10	3.14	2.86	56.90
1891	4.76	3.67	6.25	1.70	1.47	6.31	5.44	5.62	2.19	2.02	5.64	3.08	48.15
1892	2.81	4.04	2.76	4.67	5.90	3.53	4.78	1.90	2.02	0.96	2.79	2.51	38.67
1893	3.64	5.15	2.79	9.49	6.25	5.10	2.42	1.23	**2.20**	**3.13**	**2.44**	**1.28**	45.12
1894	2.96	3.52	2.86	2.50	**2.28**	3.43	0.41	1.63	3.18	1.86	2.76	3.32	30.71
1895	**4.95**	0.35	1.40	3.79	....	....	....	....	....	....	....	....	....
Mns	3.96	3.98	3.37	4.04	3.58	4.93	3.46	3.82	2.88	2.49	4.16	2.43	43.10

Cincinnati, Hamilton County

Elevation, 628 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1835	3.82	1.75	1.86	3.37	7.57	7.34	2.46	6.54	3.23	4.35	6.66	3.20	52.15
1836	2.97	4.34	4.18	4.54	9.01	2.14	7.42	5.54	4.77	3.71	4.41	4.36	57.39
1837	0.80	3.43	3.70	2.00	3.79	4.38	3.83	5.91	3.14	4.16	2.52	5.05	42.71
1838	1.90	1.04	0.56	4.77	8.57	7.55	2.47	3.76	0.71	3.55	3.12	0.85	39.45
1839	4.56	2.75	2.69	2.38	4.46	1.96	2.97	0.56	3.24	0.13	3.20	1.72	30.62
1840	1.13	4.68	3.65	4.78	6.08	6.84	4.45	3.73	1.56	4.74	2.50	3.20	47.34
1841	5.55	0.82	2.34	4.75	2.16	1.51	5.33	2.71	2.94	2.46	4.92	5.56	41.05
1842	2.75	6.09	3.02	2.97	3.04	5.67	2.35	4.22	2.95	1.90	3.76	2.57	41.29
1843	3.51	3.54	2.97	6.27	3.63	4.52	2.90	5.89	6.73	4.05	4.40	2.84	51.25
1844	3.10	1.04	4.50	3.13	7.00	6.16	4.13	4.12	1.26	4.32	3.18	1.10	43.04
1845	3.03	1.66	5.46	1.08	1.89	11.50	3.06	6.88	7.51	2.03	1.68	0.60	46.38
1846	3.59	3.23	2.26	3.51	5.17	7.53	3.93	6.10	2.50	2.19	4.26	9.25	53.52
1847	4.71	4.06	5.37	2.12	4.30	7.63	8.25	8.20	3.87	9.57	3.95	8.15	65.18
1848	4.58	2.81	6.72	0.55	5.13	1.86	6.95	3.90	1.53	3.62	2.60	10.33	50.58
1849	6.48	2.04	4.70	3.65	3.61	4.90	8.90	4.41	2.68	3.86	2.42	5.32	52.97
1850	5.20	6.28	6.62	4.27	1.86	5.00	6.30	7.20	2.22	1.05	2.54	6.22	54.76
1851	0.45	6.45	3.36	1.70	3.90	2.28	3.25	2.55	0.43	1.82	2.30	3.21	31.70
1852	2.80	4.70	5.12	6.34	2.37	5.18	2.05	4.35	4.50	2.50	5.30	8.85	54.06
1853	1.53	5.14	2.14	7.70	2.21	1.90	4.81	2.16	4.70	3.78	3.30	1.86	41.23
1854	4.10	5.57	8.33	2.97	7.29	4.84	2.32	3.18	2.12	3.01	3.66	3.38	50.77
1855	4.47	1.59	3.66	3.05	5.24	8.10	4.35	4.25	2.98	3.18	5.22	3.31	49.40
1856	1.11	3.00	1.51	0.73	1.23	4.24	3.43	0.61	3.62	1.74	2.08	2.19	25.49
1857	0.67	2.21	0.76	2.72	5.53	3.09	2.50	2.92	0.75	4.92	5.36	3.82	35.25
1858	2.56	1.76	1.05	4.84	8.32	5.61	3.01	7.97	0.85	4.66	2.57	6.41	49.11
1859	2.94	6.17	4.64	7.58	2.27	3.14	1.95	3.34	2.24	1.33	4.99	4.52	45.11
1860	2.50	1.99	0.56	5.02	3.68	1.55	7.97	0.91	4.34	1.27	3.53	1.85	35.17
1861	2.67	1.65	2.65	3.83	6.00	3.96	4.74	6.89	2.63	3.72	3.65	0.69	43.08
1862	4.52	2.18	5.86	5.62	3.52	2.84	3.14	1.32	1.07	0.79	3.92	3.36	38.14
1863	5.55	3.85	4.28	2.27	2.30	2.43	3.28	3.07	3.12	3.77	2.14	3.71	39.77
1864	1.94	1.08	0.96	2.43	2.34	2.97	1.25	3.20	7.81	2.76	3.38	3.20	33.32
1865	2.28	2.52	4.15	3.79	8.09	2.24	7.89	2.26	5.54	0.80	0.36	4.06	43.98
1866	3.06	1.18	5.14	2.26	0.96	3.63	7.31	8.05	10.88	3.15	2.34	1.90	49.86
1867	1.34	4.44	2.32	2.96	3.80	3.69	1.99	1.20	0.56	2.05	2.43	3.37	30.15
1868	5.50	0.57	5.14	3.01	6.05	6.43	1.21	5.63	7.70	1.16	1.34	1.73	45.47
1869	2.08	2.92	5.35	2.41	4.01	4.02	4.94	1.33	2.87	2.48	3.55	3.22	39.18
1870	6.04	2.20	4.26	1.44	1.82	4.61	2.79	0.83	0.50	2.89	1.70	2.20	31.28
1871	1.16	2.27	3.00	1.62	1.02	1.69	2.78	6.05	1.23	1.80	4.18	3.27	30.07
1872	0.60	1.67	1.57	5.14	4.07	3.81	7.01	2.21	1.62	3.33	1.22	2.43	34.68
1873	2.66	3.76	2.36	2.89	3.50	3.58	3.94	4.69	2.24	2.79	2.50	6.47	41.38
1874	3.96	5.91	3.65	4.06	1.38	2.58	3.42	1.03	2.33	1.31	5.35	2.58	37.55
1875	1.59	1.83	3.69	2.12	3.92	4.83	9.63	3.17	0.65	3.05	4.35	3.75	42.58
1876	9.49	2.92	5.07	3.26	1.25	6.67	6.91	6.38	3.17	4.26	2.36	0.88	52.62
1877	2.33	0.67	5.47	2.32	1.76	5.24	4.25	2.26	1.66	1.85	3.49	3.35	34.65
1878	4.33	2.33	4.03	3.05	2.53	5.03	4.32	4.11	2.84	2.39	2.77	3.89	41.62
1879	2.20	2.22	5.30	2.14	4.23	5.22	2.75	11.72	4.01	0.65	4.05	7.11	51.60
1880	5.14	4.50	4.15	5.82	5.70	9.68	2.46	4.01	1.37	2.98	4.42	4.26	54.49
1881	3.76	4.95	3.51	3.25	2.23	7.82	3.12	0.76	2.10	6.01	4.06	5.67	47.24
1882	6.02	7.04	6.17	2.71	8.47	4.34	2.91	5.75	3.16	1.59	1.57	2.39	52.12
1883	2.82	8.22	3.48	3.72	5.49	3.61	2.21	2.10	1.83	8.39	4.87	5.61	52.35
1884	2.21	8.87	2.63	3.02	5.56	2.77	1.73	2.05	3.87	1.35	1.23	3.99	39.28
1885	5.80	2.67	0.56	3.34	2.07	3.98	1.40	4.95	2.72	2.30	2.33	1.82	33.94
1886	2.83	1.65	2.27	2.23	4.11	5.26	3.07	2.91	1.30	0.82	3.23	1.67	31.35
1887	2.37	7.29	2.07	5.86	3.62	2.64	1.31	2.81	1.93	0.55	2.83	1.80	35.08
1888	2.78	1.37	3.94	1.14	2.70	1.75	2.46	7.80	1.79	3.05	4.78	1.32	34.88
1889	2.38	1.72	0.61	1.21	2.52	4.03	4.55	0.26	4.31	2.03	5.28	2.02	30.92
1890	5.28	4.63	6.26	2.63	3.58	6.00	1.46	5.91	3.28	4.14	2.65	1.88	47.70
1891	3.31	3.87	4.86	1.55	1.08	4.83	5.13	2.83	2.65	1.16	5.03	2.14	38.44
1892	1.62	2.83	1.96	5.66	3.95	3.81	1.43	3.03	3.78	0.40	2.26	1.22	31.95
1893	2.87	4.84	1.93	7.10	6.40	4.45	3.79	0.86	3.90	3.17	2.04	2.65	44.00
1894	2.75	3.78	2.36	1.60	2.33	4.17	0.13	1.98	2.46	0.82	0.98	3.23	26.59
1895	6.13	0.37	1.51	2.62	1.82	2.15	2.27	3.29	0.49	0.73	4.66	3.29	29.33
1896	1.49	1.56	3.20	0.59	2.17	2.70	7.40	3.70	5.00	2.29	3.29	1.09	34.48
1897	2.48	5.27	9.89	3.08	2.46	1.87	6.71	1.91	0.64	0.46	6.80	2.32	43.89
1898	7.76	2.21	6.70	1.15	3.08	1.58	3.26	2.61	2.62	2.90	2.69	2.46	38.97
1899	3.32	2.04	5.94	1.21	4.33	3.27	1.58	3.65	2.18	1.64	2.60	2.93	34.69
1900	2.54	2.22	1.75	1.43	3.94	1.01	3.48	4.17	0.28	1.45	4.50	1.01	27.78
1901	0.87	1.35	2.01	1.93	1.62	2.27	1.44	0.88	0.92	0.59	0.74	3.37	17.99
1902	2.10	0.38	1.47	2.87	5.54	5.25	3.47	0.65	4.26	2.77	3.29	5.25	37.30
1903	2.05	5.76	4.97	3.49	3.83	3.27	2.31	2.75	1.78	1.31	1.45	1.72	34.69
1904	2.66	2.66	8.17	2.28	3.70	2.60	0.80	0.41	1.28	0.89	0.34	3.75	29.54
1905	1.80	1.76	2.46	3.14	9.52	2.36	1.04	4.66	1.54	4.85	2.75	2.81	38.69
1906	3.25	1.68	6.03	1.20	1.10	5.62	6.60	3.78	3.90	1.06	3.04	3.57	40.83
1907	8.40	0.76	8.43	3.68	2.49	3.87	5.59	2.93	1.20	2.86	1.97	2.38	44.56
1908	1.40	4.50	3.66	4.07	5.84	2.00	0.83	1.69	0.26	0.35	1.09	1.60	27.29
Mns	3.27	3.18	3.77	3.20	3.96	4.20	3.77	3.61	2.79	2.59	3.19	3.38	40.91

Green, Adams County

Elevation, 500 feet

1892	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.82	.....
1893	2.86	4.47	3.94	6.44	2.63	4.21	3.37	1.50	2.38	4.57	2.21	2.84	41.42
1894	2.27	3.28	1.97	2.67	2.42	3.24	2.43	3.27	3.91	1.46	1.35	3.65	31.92
1895	4.44	0.57	2.97	2.94	2.18	2.69	1.66	2.45	1.73	1.18	1.93	3.43	28.17
1896	0.83	2.90	5.06	0.25	2.98	3.08	6.12	5.05	3.96	1.95	2.76	1.00	35.94
1897	1.98	7.35	4.04	2.67	7.09	3.64	3.89	2.85	0.35	0.43	7.20	3.77	45.26
1898	8.40	2.65	5.15	2.93	2.53	4.83	10.65	4.35	2.40	3.00	2.40	3.47	52.76
1899	5.16	2.90	7.52	2.12	2.72	3.90	1.51	4.25	2.55	2.90	1.65	2.96	40.14
1900	2.90	4.35	2.10	1.00	3.60	1.48	3.95	1.38	1.95	1.05	6.38	2.08	32.22
1901	1.15	1.40	1.40	3.90	3.48	6.36	2.60	5.94	4.15	0.25	1.50	3.94	36.07
1902	3.95	1.00	3.15	3.10	4.60	5.55	3.55	1.00	3.83	1.85	3.70	5.60	40.88
1903	3.28	7.73	3.45	4.77	4.17	4.00	2.10	1.25	1.80	3.39	2.57	1.89	40.40
1904	2.64	2.45	8.84	3.36	3.42	2.31	2.10	3.25	1.53	0.25	0.30	2.94	33.39
1905	2.57	2.64	4.75	2.95	8.02	4.59	6.63	3.13	2.10	5.20	4.34	3.23	50.15
1906	2.45	2.43	5.45	1.08	2.10	6.86	6.03	7.23	3.63	2.72	4.00	5.19	49.17
1907	9.55	2.03	7.83	3.30	3.83	6.37	8.00	4.77	2.93	3.33	2.94	4.31	59.19
1908	1.69	5.74	7.41	6.70	4.54	3.53	5.25	3.49	0.73	1.15	2.54	2.56	45.33
Mns	3.51	3.37	4.69	3.14	3.77	4.16	4.36	3.44	2.50	2.17	2.99	3.22	41.32

Celina, Mercer County

Elevation, 910 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1870	.....	.....	.....	.....	.....	.....	.....	.....	1.80	3.70	2.74	3.81	.....
1871	2.13	3.65	4.90	4.59	3.03	3.00	3.88	4.27	0.49	4.32	6.09	3.45	43.80
1872	2.21	1.02	1.74	4.09	3.84	3.03	9.20	3.41	3.28	2.69	1.61	2.50	38.62
1873	5.46	2.45	4.18	8.23	5.48	4.36	13.91	4.03	3.62	4.65	3.07	5.41	64.85
1874	5.74	4.87	5.55	5.26	2.84	4.18	2.43	3.52	1.22	1.20	4.38	2.10	43.29
1875	0.83	1.15	3.81	2.19	6.97	12.90	12.16	7.87	3.61	3.61	3.50	4.71	63.31
1876	6.31	3.83	5.30	2.84	5.02	5.66	8.00	3.90	7.66	2.96	4.35	1.05	56.88
1877	1.83	0.21	5.35	4.00	4.09	17.33	5.93	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.32	2.35	2.01	.....
1888	3.14	0.95	3.95	2.50	4.03	4.75	1.30	2.25	0.75	4.35	4.80	1.15	33.92
1889	2.90	1.38	0.90	3.15	4.47	3.68	3.93	1.30	2.82	0.62	3.46	2.30	30.81
1890	5.26	4.76	3.56	3.98	5.07	3.60	0.40	4.25	4.89	2.37	2.62	0.91	41.67
1891	2.28	4.13	4.52	1.67	1.46	3.00	2.84	4.05	1.00	0.90	5.18	1.97	33.00
1892	1.27	2.80	1.87	4.37	7.56	4.23	7.10	2.35	1.91	0.25	2.57	1.80	38.08
1893	2.03	4.82	2.39	7.54	4.72	3.72	1.14	0.80	1.56	2.09	2.02	2.05	34.88
1894	1.51	2.17	1.95	1.58	2.93	2.20	0.31	2.61	3.97	3.33	2.53	1.68	26.77
1895	2.24	0.30	0.70	1.87	2.02	1.77	1.34	1.31	2.00	0.55	5.04	2.18	21.32
1896	0.73	1.04	2.50	2.23	4.60	3.10	7.22	5.10	5.01	0.46	1.46	2.01	35.46
1897	0.67	0.35	4.32	2.29	3.60	2.76	2.13	2.88	0.92	0.59	6.34	1.26	28.11
1898	5.19	1.87	4.80	2.85	5.05	1.79	3.87	2.35	2.22	4.17	2.86	1.85	38.87
1899	2.76	1.88	3.67	0.70	2.94	1.67	4.06	1.25	2.51	2.01	2.03	4.01	29.49
1900	1.58	4.99	2.21	2.05	2.17	4.07	2.33	4.18	1.51	1.87	2.43	1.33	30.72
1901	1.74	0.80	3.14	2.27	4.79	3.98	3.24	1.86	1.95	0.94	0.95	3.58	29.24
1902	0.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mns	2.66	2.35	3.40	3.35	4.13	4.51	4.61	3.18	2.60	2.22	3.29	2.41	38.71

Note– From 1870 to 1877, inclusive, the values given are for Carthagena, about eight miles south of Celina.

College Hill, Hamilton County

Elevation, 800 feet

1854	4.01	5.19	9.06	2.76	5.61	2.75	4.45	1.47	1.33	2.99	3.69	.....	.....
1855	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1856	1.59	2.34	0.66	.....	.....	.....	.....	.....	.....	1.22	3.12	3.58	.....
1857	1.38	2.15	.....	2.62	6.04	4.99	.....	.....	.....	.....	.....	.....	.....
1858	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.34	.....	.....
1859	.....	.....	3.48	8.62	2.40	2.87	1.10	5.82	1.90	3.36	7.50	5.27	.....
1860	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861	3.50	2.65	5.20	4.50	5.25	3.16	2.50	4.25	1.59	3.45	6.03	.....	.....
1862	3.77	2.90	7.93	7.24	6.00	4.25	.....	.....	.....	.....	4.50	0.85	.....
1863	.....	3.31	4.65	.....	5.45	3.00	5.60	1.29	2.34	6.25	3.75	8.00	.....
1864	3.25	1.45	0.90	5.10	2.36	4.38	3.10	4.35	2.50	3.15	3.80	5.15	39.49
1865	4.03	3.77	6.15	6.35	9.05	4.03	6.88	5.80	.....	0.80	0.28	4.88	.....
1866	3.37	0.87	4.63	3.16	1.62	5.25	8.62	3.62	12.50	2.62	3.15	2.97	52.38
1867	2.50	2.75	3.03	3.25	2.97	6.00	2.25	0.44	.....	1.64	3.63	5.40	.....
1868	8.90	0.25	10.48	4.44	8.06	7.12	2.50	5.37	5.88	1.19	1.80	3.94	59.93
1869	1.73	4.19	9.47	2.89	7.31	2.25	3.44	4.12	2.50	3.62	2.88	5.62	50.02
1870	9.62	1.74	4.50	2.37	1.17	4.31	1.87	1.06	0.15	3.94	2.00	2.35	35.08
1871	3.20	3.95	3.34	1.90	4.80	3.63	5.13	8.30	1.00	1.35	2.40	2.63	41.68
1872	2.00	2.60	0.85	6.50	4.88	8.25	6.12	3.37	2.61	0.31	0.98	2.25	40.72
1873	3.60	6.88	2.85	2.25	3.38	6.06	7.00	2.75	1.75	3.80	3.28	6.63	50.23
1874	6.30	5.85	3.75	3.30	0.50	3.25	4.75	2.00	1.50	1.50	4.35	3.80	40.85
1875	1.25	2.12	5.00	2.25	3.00	13.00	12.00	4.00	0.50	3.50	6.00	3.50	56.12
1876	10.50	3.25	4.50	4.50	2.50	7.12	4.00	10.25	.....	.....	1.50	1.20	.....
1877	2.00	0.50	4.00	1.25	2.00	5.50	6.50	1.50	2.50	1.00	1.50	3.25	31.50
1878	5.00	4.00	4.00	6.00	2.00	5.00	7.00	5.25	3.28	2.00	1.75	5.50	50.78
1879	0.75	3.00	6.75	1.50	3.75	2.00	3.00	9.00	5.25	0.50	6.75	8.00	50.25
1880	8.25	6.25	5.75	10.50	2.75	10.50	6.50	3.50	2.33	2.75	6.00	7.00	72.08
1881	4.00	5.25	5.88	4.25	1.00	9.00	4.50	1.50	2.75	4.00	4.75	7.00	53.88
1882	7.25	9.50	7.50	1.25	8.50	9.75	3.00	7.00	3.25	1.75	1.25	1.25	61.25
1883	3.50	7.50	3.00	3.50	5.00	3.00	4.00	3.00	1.75	7.00	4.00	7.25	52.50
1884	3.50	5.00	2.00	2.25	4.75	2.00	1.70	0.70	4.38	2.70	0.55	4.12	33.65
1885	6.31	1.80	0.20	4.50	2.25	4.10	2.30	4.10	3.25	4.00	2.75	1.60	37.16
1886	4.59	2.00	1.25	3.62	8.25	7.75	5.00	5.12	2.00	1.25	4.50	2.10	47.43
1887	2.54	10.25	2.08	6.00	6.25	3.75	1.50	3.75	1.75	0.12	4.00	3.50	45.49
1888	3.50	3.50	6.62	2.00	4.50	3.00	3.75	9.00	5.00	7.00	3.00	1.50	52.37
1889	3.70	1.90	1.70	0.38	5.85	7.60	5.85	0.50	5.85	3.29	6.42	1.50	44.54
1890	7.90	4.64	7.67	3.00	3.50	3.80	0.20	.....	.....	.....	.....	.....	.....
Mns	4.29	3.74	4.51	3.88	4.32	5.22	4.39	4.07	3.01	2.74	3.61	4.05	47.83

New Paris, Preble County

Elevation, 1,020 feet

1892	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.24	3.85	1.86	.....
1893	3.69	5.32	1.82	7.70	5.91	4.17	2.17	.....	.....	2.60	2.06	2.03	.....
1894	1.81	2.98	1.67	1.42	3.32	2.67	0.20	0.95	3.15	2.22	2.00	2.86	25.25
1895	3.62	0.25	1.20	1.45	3.20	4.25	0.71	1.87	0.89	0.71	5.62	4.12	27.90
1896	1.56	1.32	3.91	1.34	2.72	3.33	5.33	9.35	6.85	0.81	2.35	1.90	40.77
1897	1.78	2.06	7.58	4.13	1.83	5.29	2.01	2.30	0.99	0.67	10.18	2.28	41.10
1898	5.72	1.21	10.20	1.84	3.30	2.62	3.00	3.20	3.19	4.13	3.27	2.91	44.59
1899	3.46	1.79	4.21	1.07	1.64	1.87	3.26	6.26	1.27	2.69	2.31	3.79	33.62
1900	2.43	4.69	2.86	1.65	5.71	6.64	5.08	3.38	1.04	1.57	3.75	0.77	39.57
1901	1.96	1.23	2.99	2.29	2.11	5.10	0.71	6.13	0.53	1.47	0.76	3.88	29.16
1902	0.90	0.55	3.40	1.98	3.49	8.72	.....	.....	.....	.....	.....	.....	.....
Mns	2.69	2.14	3.98	2.49	3.32	4.47	2.50	4.18	2.24	1.71	3.62	2.64	35.98

Note—From October, 1892, to July, 1893, inclusive, the values given are for Campbellstown, about seven miles southeast of New Paris.

Clarksville, Clinton County
Elevation, 1,010 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1886	......	......	2.26	2.97	5.61	6.23	4.02	3.52	2.17	1.33	4.40	2.10	......
1887	1.63	7.41	2.90	6.23	2.08	2.41	1.73	3.04	1.63	0.64	4.33	2.47	36.50
1888	4.26	2.01	4.26	2.29	4.88	5.14	2.87	10.13	0.76	3.97	4.42	1.32	46.31
1889	2.33	1.23	0.71	0.79	2.95	4.63	2.28	1.13	4.98	2.21	4.96	2.73	30.93
1890	6.49	4.31	6.57	3.11	5.49	4.83	1.43	4.36	1.91	3.38	2.91	2.13	46.92
1891	3.61	5.81	5.21	2.17	1.53	6.27	3.42	3.78	1.80	1.58	5.25	2.22	42.65
1892	1.43	2.58	2.10	5.10	4.32	6.30	1.99	2.42	2.33	0.53	2.73	1.29	33.12
1893	2.83	5.65	1.91	8.73	8.54	5.17	1.21	1.77	2.23	4.71	2.08	2.87	47.70
1894	2.87	3.67	2.71	2.81	3.50	3.81	0.59	2.58	5.19	1.61	1.84	3.26	34.44
1895	5.30	0.26	1.61	3.14	1.24	3.33	5.86	1.59	0.86	1.25	5.06	3.38	32.88
1896	1.99	1.79	4.03	1.03	2.39	5.10	6.50	5.41	4.40	1.20	3.82	1.85	39.01
1897	2.00	5.16	7.86	3.98	3.90	1.26	4.94	3.77	0.32	0.48	6.95	2.20	42.82
1898	6.98	2.17	7.72	1.56	2.99	2.30	3.74	9.06	2.56	3.22	3.15	3.27	48.72
1899	3.47	1.71	6.12	1.61	2.65	4.57	6.02	3.36	1.21	1.84	1.69	3.42	37.67
1900	3.04	2.72	2.78	1.77	3.49	2.80	3.99	5.17	0.42	1.67	5.37	1.12	34.34
1901	1.39	1.10	2.05	1.85	3.79	2.75	3.34	2.84	1.22	0.73	0.90	3.78	25.74
1902	2.08	0.41	2.10	2.17	4.32	8.30	2.02	0.46	4.34	2.69	3.81	4.27	36.97
1903	2.25	4.54	4.79	3.21	4.30	4.69	1.27	0.84	1.71	2.20	1.26	2.00	33.06
1904	2.93	2.18	7.19	3.45	3.64	2.49	1.57	2.85	0.83	1.29	0.40	3.58	32.40
1905	1.23	1.81	2.05	3.38	7.88	4.25	1.78	3.44	2.17	5.71	2.40	2.60	38.70
1906	3.57	1.25	5.18	2.14	3.43	8.26	6.50	5.03	3.62	1.72	3.00	4.92	43.62
1907	8.47	0.97	6.19	3.59	3.21	5.75	4.76	4.77	4.84	3.44	2.77	3.45	51.71
1908	1.81	5.93	4.18	4.21	7.72	1.47	3.12	2.97	0.38	0.49	1.33	1.92	35.53
Mns	3.27	2.94	4.02	3.10	4.08	4.22	3.26	3.66	2.23	2.08	3.25	2.68	38.79

Dayton, Montgomery County
Elevation, 790 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1845	2.65	1.90	......	2.70	0.91	......	3.27	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1856	1.49	1.15	1.15	1.09	2.64	2.33	3.16	1.71	2.09	0.70	......	......	......
1857	......	......	......	......	......	......	......	......	......	......	......	......	......
1858	......	......	......	......	7.56	4.82	3.18	3.96	1.14	3.25	3.75	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1873	......	2.74	2.75	......	......	......	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1882	......	......	......	......	......	......	......	......	......	......	1.70	1.78	......
1883	2.67	6.24	3.25	2.28	5.09	5.69	4.31	1.95	2.38	4.92	3.29	4.90	46.97
1884	2.21	5.67	3.17	2.90	4.56	2.23	2.63	1.21	3.85	1.17	0.75	3.79	34.14
1885	3.37	2.41	0.36	2.81	3.47	5.03	3.42	6.23	2.11	2.27	2.23	1.61	35.32
1886	2.96	1.27	1.82	4.15	6.68	4.92	3.27	4.76	3.98	1.61	3.32	2.48	41.22
1887	2.05	5.30	3.39	4.15	2.54	4.23	3.27	2.08	1.37	0.52	3.53	2.51	34.94
1888	3.52	1.25	4.40	1.67	3.95	1.92	3.44	5.53	1.34	5.14	5.52	1.13	38.81
1889	3.28	0.51	0.98	0.55	4.35	3.35	3.11	0.34	2.06	1.51	4.05	2.69	26.78
1890	4.83	5.09	4.34	2.70	3.54	3.28	0.28	5.27	7.37	2.42	2.27	1.18	42.57
1891	3.17	4.41	4.90	2.89	0.99	5.16	2.43	3.20	1.75	2.36	5.29	2.30	38.85
1892	1.20	3.09	1.86	3.76	4.54	6.58	1.36	1.92	3.28	0.37	1.92	1.57	31.45
1893	2.77	4.87	1.98	6.80	5.48	4.08	1.86	0.89	2.59	3.81	1.63	2.17	38.93
1894	2.27	3.31	2.15	1.51	4.17	3.75	0.75	1.85	1.54	1.48	1.77	3.07	27.57
1895	4.87	0.48	1.78	1.71	1.78	3.48	0.65	3.05	0.66	0.90	5.32	3.40	28.08
1896	1.82	1.62	3.12	2.17	3.34	4.34	8.13	4.93	6.02	0.80	3.12	1.44	40.85
1897	2.07	3.35	6.61	4.26	3.51	2.20	3.49	2.89	0.15	1.26	8.40	3.24	41.43
1898	5.96	2.12	8.00	1.89	3.49	3.24	4.31	2.92	4.13	4.05	4.30	3.05	47.45
1899	3.51	2.01	4.10	1.07	3.64	1.49	4.10	1.30	1.22	2.06	1.34	3.34	29.18
1900	3.00	2.15	2.87	0.78	3.09	5.66	3.35	5.13	1.16	2.82	3.13	1.44	34.58
1901	2.00	1.33	2.42	1.87	3.45	4.04	1.33	0.91	2.32	1.12	1.43	3.83	26.05
1902	1.13	0.61	2.55	2.13	2.39	7.32	3.42	0.71	4.96	3.25	3.56	3.95	35.97
1903	2.39	4.79	3.69	3.66	4.66	9.09	1.43	1.17	0.65	2.72	2.44	2.00	38.69
1904	4.61	2.53	7.90	3.18	4.05	2.47	3.04	1.87	2.00	1.23	0.63	4.16	37.67
1905	1.63	1.90	2.05	4.20	6.53	2.46	3.23	8.98	4.45	3.89	2.12	2.20	43.64
1906	2.96	1.11	5.49	1.40	2.00	3.22	6.07	5.56	2.89	1.51	3.81	3.62	39.64
1907	8.16	0.42	6.00	2.94	3.17	3.98	7.01	3.08	4.22	2.90	2.56	3.08	47.52
1908	1.64	6.44	5.78	3.80	5.40	2.67	4.93	2.81	0.25	0.36	0.86	1.32	36.26
Mns	3.01	2.76	3.53	2.68	3.83	4.04	3.25	3.08	2.57	2.16	3.00	2.64	36.55

Greenville, Darke County
Elevation, 1,060 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1886	......	1.05	2.64	3.48	5.23	4.04	2.50	8.72	4.26	2.11	4.12	2.03	.
1887	2.84	5.31	1.95	3.25	3.41	3.72	0.92	4.65	1.78	0.89	2.96	2.78	34.46
1888	3.59	1.63	5.37	2.30	3.76	3.79	3.09	3.87	0.50	4.50	5.53	1.59	39.52
1889	2.48	0.92	1.38	1.29	5.57	4.58	4.31	0.55	3.66	1.24	4.03	2.77	32.78
1890	5.78	4.71	3.99	3.37	4.66	4.66	0.07	4.60	4.52	1.45	2.50	1.01	41.32
1891	3.18	4.26	5.61	3.88	0.92	3.97	1.90	3.25	2.10	1.09	5.88	2.81	38.85
1892	1.07	3.08	2.70	4.87	8.64	6.94	2.52	2.79	1.89	0.11	3.65	2.02	40.28
1893	3.86	5.42	2.85	8.47	5.79	5.19	2.35	0.97	2.76	2.61	2.12	1.82	43.71
1894	1.66	4.13	2.34	1.70	4.13	2.72	0.35	2.34	3.49	2.58	2.57	2.89	30.90
1895	2.22	0.45	1.21	1.66	1.03	2.78	0.70	1.53	1.29	0.74	5.14	3.28	22.03
1896	1.53	1.37	3.41	1.65	3.61	4.77	9.11	5.50	5.82	0.46	2.73	1.82	41.78
1897	1.86	2.45	5.85	5.12	4.37	3.31	5.39	2.77	0.79	0.63	8.02	1.91	42.47
1898	4.52	1.69	8.59	2.32	3.63	2.75	3.88	3.36	2.78	4.65	3.05	2.94	44.16
1899	3.65	2.18	3.84	1.16	2.58	3.74	2.70	1.10	2.67	2.62	1.64	3.16	31.04
1900	3.14	4.14	2.37	1.90	3.87	4.09	3.61	3.13	3.65	2.03	5.52	1.75	39.20
1901	1.78	1.25	2.88	3.02	2.85	4.71	1.33	2.60	1.61	1.08	0.73	2.42	26.26
1902	0.96	0.44	3.08	1.72	2.69	6.79	2.57	1.89	3.78	3.29	3.84	3.47	34.52
1903	2.39	4.52	3.01	3.43	3.60	2.99	2.59	2.33	1.23	2.55	1.87	1.44	31.95
1904	4.54	2.56	7.84	4.49	4.17	4.88	2.74	1.70	2.18	0.45	0.12	3.93	39.60
1905	1.90	1.56	2.06	4.73	6.46	1.82	1.45	5.95	4.32	2.98	2.14	2.04	37.41
1906	2.42	0.64	5.11	1.61	1.87	2.61	2.92	7.19	1.92	2.28	2.90	2.69	34.16
1907	7.24	0.61	5.26	2.54	2.46	9.48	2.95	3.30	2.84	1.94	2.44	4.87	45.43
1908	1.71	5.53	6.33	3.42	4.96	5.30	3.02	1.97	0.43	0.56	0.85	1.59	35.67
Mns	2.92	2.60	3.88	3.10	3.92	4.33	2.74	3.31	2.62	1.86	3.23	2.46	36.97

Germantown, Montgomery County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1850	......	......	......	......	......	......	......	......	......	......	......	2.70	......
1851	0.69	6.13	2.60	2.49	2.69	2.81	5.86	2.77	1.18	2.48	3.35	3.23	36.28
1852	2.57	3.80	2.64	4.70	3.05	2.33	1.55	1.43	2.79	2.49	3.95	9.88	41.18
1853	1.07	3.02	1.65	3.13	1.43	1.55	3.54	4.39	2.49	2.32	2.56	1.39	28.54
1854	3.71	4.68	5.97	4.57	10.46	1.95	3.37	1.87	1.09	2.80	3.42	1.33	44.72
1855	4.19	1.44	3.55	2.28	2.54	6.93	5.19	5.04	4.64	1.29	6.26	3.65	47.00
1856	0.99	1.63	0.72	0.88	1.94	1.81	4.11	0.76	3.26	1.35	3.57	3.13	24.15
Mns	2.20	3.45	2.86	3.01	3.68	2.90	3.93	2.63	2.58	2.12	3.85	3.62	36.80

Hillsboro, Highland County
Elevation, 1,000 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1855	......	......	......	1.15	......	......	......	......	......	......	......	......	......
1856	......	......	0.58	......	1.23	3.02	3.18	1.47	1.45	1.75	3.40	2.98	......
1857	1.73	2.12	1.05	3.03	4.90	5.43	4.92	4.71	1.00	3.99	4.81	3.55	41.24
1858	1.80	2.50	1.24	4.24	9.57	5.34	4.04	4.59	1.72	2.85	3.06	6.37	47.33
1859	2.54	5.61	3.42	8.02	1.69	4.38	2.49	6.42	4.54	1.86	5.32	5.64	51.93
1860	2.22	1.99	1.14	2.27	1.44	2.01	5.77	1.80	3.60	2.72	4.28	1.10	30.34
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1863	......	......	......	......	......	......	3.18	2.46	2.73	2.87	2.83	3.83	......
1864	2.26	1.74	2.01	2.52	4.00	3.37	1.63	3.70	3.31	2.19	3.78	4.84	35.35
1865	3.19	2.36	4.86	4.14	8.30	4.00	7.37	2.52	5.45	0.87	0.58	4.49	48.13
1866	4.35	2.33	5.74	2.23	1.11	4.32	5.33	2.87	9.59	2.78	3.35	2.61	46.61
1867	1.94	4.54	3.04	3.29	3.10	2.32	2.56	4.03	0.30	3.08	2.74	3.83	34.77
1868	4.09	0.68	6.59	4.12	5.50	4.20	2.87	7.35	8.85	1.24	1.83	2.34	49.66
1869	1.86	3.24	4.14	3.55	4.31	4.17	3.34	0.82	3.63	1.57	4.43	2.93	37.99
1870	6.25	3.13	3.76	2.78	1.88	3.27	2.83	3.54	0.68	2.32	1.59	2.41	34.44
1871	2.59	3.56	3.42	1.32	4.78	2.67	4.15	4.97	0.69	1.41	3.54	3.06	36.16
1872	0.97	2.01	1.30	6.92	1.96	2.58	6.07	5.98	1.25	3.39	0.88	2.38	35.69
1873	2.11	3.63	2.05	3.05	4.04	2.01	5.77	4.33	1.70	3.74	2.43	5.97	40.83
1874	4.10	3.64	2.83	3.38	2.57	1.67	7.38	1.04	2.43	0.78	4.03	3.49	37.34
1875	1.61	1.65	3.67	1.01	3.34	6.97	8.50	2.76	0.72	2.96	4.78	3.45	41.42
1876	6.58	2.57	3.53	3.38	2.26	3.83	4.63	4.32	4.26	2.56	2.10	0.94	40.96
1877	2.59	0.43	5.70	2.57	2.25	4.78	3.79	1.64	2.62	1.64	2.88	3.13	34.02
1878	6.45	1.58	3.69	2.91	2.34	2.68	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1892	......	......	......	......	......	......	......	......	......	0.81	2.45	1.71	......
1893	2.51	5.66	2.08	8.45	4.87	2.34	2.07	1.46	3.29	3.71	2.93	2.54	41.91
1894	2.05	3.17	2.50	2.60	2.29	2.86	0.62	1.26	1.91	1.62	1.11	2.68	24.67
1895	5.27	0.50	1.70	2.78	1.02	2.51	2.27	2.76	0.45	1.20	2.95	3.49	26.90
1896	1.72	1.94	3.95	1.35	2.22	4.75	5.14	3.52	4.38	1.38	4.58	1.09	36.02
1897	1.88	5.14	5.75	3.40	3.56	1.25	5.00	4.57	0.42	0.73	6.69	2.61	41.00
1898	8.15	2.03	5.50	1.80	3.09	2.24	6.00	2.64	2.97	3.32	2.94	3.32	44.00
1899	2.95	2.70	5.75	1.48	4.04	6.09	2.73	3.31	2.60	1.89	1.81	3.39	38.74
1900	2.60	2.71	2.05	1.27	2.92	2.35	4.82	3.64	2.11	1.75	5.80	1.51	33.53
1901	1.10	0.91	1.58	3.90	3.29	2.69	2.35	1.76	0.69	0.47	0.91	3.81	23.46
1902	2.80	0.36	2.05	......	......	......	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1908	1.74	5.82	4.18	4.46	6.34	2.20	3.30	1.19	0.56	1.49	1.89	2.95	36.12
Mns	3.07	2.68	3.25	3.25	3.47	3.41	4.14	3.25	2.66	2.09	3.13	3.18	37.58

Jacksonburg, Butler County
Elevation, 975 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1868	......	......	......	......	......	5.75	1.50	5.87	7.62	1.69	2.25	1.94	......
1869	2.04	3.57	6.82	4.00	5.34	3.99	2.85	2.52	3.27	2.34	4.04	3.44	44.22
1870	6.65	2.75	4.21	1.15	0.40	3.25	4.67	2.20	1.39	3.30	1.50	3.10	34.57
1871	3.25	3.84	4.27	2.70	5.50	5.10	3.07	8.65	0.50	1.70	3.70	2.95	45.23
1872	0.93	2.07	0.82	4.35	3.70	3.50	5.70	5.06	2.45	2.40	0.65	2.21	33.83
1873	3.20	4.02	2.00	2.55	3.85	3.50	7.65	2.15	2.10	3.15	2.30	5.95	42.42
1874	4.30	4.75	3.20	3.05	0.25	3.85	2.60	0.90	1.25	0.80	4.15	3.00	32.10
1875	1.85	1.50	3.95	1.15	4.40	9.55	12.40	3.75	0.45	2.80	4.60	4.50	50.90
1876	7.95	2.20	4.25	4.40	2.75	4.65	3.85	4.80	2.70	2.05	2.05	1.17	42.82
1877	2.06	0.30	5.50	2.20	3.35	7.12	6.30	2.25	1.70	1.75	4.45	2.70	39.68
1878	4.92	2.45	2.45	5.15	1.95	2.40	5.45	4.55	3.40	2.70	2.70	4.55	42.67
1879	2.75	2.65	6.75	1.50	2.15	3.80	5.35	9.00	3.90	0.80	4.35	5.50	48.50
1880	5.75	2.95	4.55	6.35	3.65	8.35	3.00	4.70	3.45	3.30	4.60	3.55	54.20
1881	5.00	4.90	4.85	9.00	0.75	2.45	3.05	1.05	2.00	6.15	6.05	5.70	50.95
1882	6.30	6.25	5.10	2.55	5.90	7.70	3.55	2.25	1.60	1.20	1.65	2.25	46.30
1883	......	7.40	3.00	2.70	6.50	4.28	2.50	2.55	1.30	6.50	3.50	2.75	......
1884	2.60	7.65	3.10	2.55	5.40	1.65	1.70	1.20	5.25	1.15	0.85	3.40	36.50
1885	4.05	2.95	1.22	3.17	2.62	3.25	3.65	5.35	4.50	2.00	2.35	1.90	37.01
1886	3.20	1.51	2.35	5.30	6.40	6.25	3.45	4.60	4.45	1.55	4.55	3.05	46.66
1887	1.85	6.25	3.50	5.05	2.25	3.25	0.70	1.75	1.45	0.40	4.05	3.35	33.85
1888	3.85	2.15	5.35	1.90	5.10	3.40	3.05	7.80	1.40	3.85	4.65	0.85	43.35
1889	2.60	0.60	0.40	0.50	4.20	3.60	2.45	0.60	2.45	2.05	4.12	2.05	25.62
1890	5.40	5.00	5.65	1.95	4.35	5.60	0.30	3.35	3.40	1.80	2.20	1.50	40.50
1891	3.25	4.15	5.60	2.45	1.75	2.95	2.45	2.50	1.95	0.95	6.30	2.65	36.95
1892	0.85	3.95	1.85	5.45	4.15	3.75	1.55	2.60	2.65	0.15	2.20	1.15	30.30
1893	3.90	4.90	1.30	6.60	6.60	3.65	1.15	1.40	2.10	2.25	1.75	1.75	37.35
1894	1.45	4.35	1.70	1.15	2.70	2.65	0.10	0.75	2.60	1.00	1.00	2.45	21.90
1895	5.10	0.80	0.50	1.35	1.45	5.40	1.60	2.55	0.20	0.40	5.35	3.30	28.00
1896	1.85	1.55	2.70	1.65	2.95	3.95	4.75	3.80	6.60	0.70	2.70	1.35	34.55
1897	2.60	3.85	8.15	3.55	3.60	1.70	3.40	1.27	0.65	1.30	8.00	3.12	41.19
1898	6.70	1.25	8.28	0.85	3.10	1.50	1.25	4.45	3.75	4.25	3.95	2.85	42.18
1899	4.68	2.80	3.15	1.00	2.85	1.20	3.95	3.40	0.55	1.90	1.50	3.70	30.68
1900	2.54	2.86	1.95	1.75	3.80	2.55	3.40	2.90	0.45	2.05	2.75	1.05	28.05
1901	2.40	1.90	1.80	1.45	1.90	3.35	0.55	1.15	3.25	1.50	0.55	2.85	22.65
1902	1.85	0.45	2.15	1.98	3.27	9.57	1.29	0.84	4.89	4.19	3.51	4.51	38.50
1903	3.22	6.58	3.82	2.87	4.55	3.83	2.39	3.43	0.54	2.13	2.02	2.28	37.66
1904	4.53	2.31	7.35	2.83	4.37	2.72	2.06	1.99	2.72	1.05	0.65	4.22	36.80
1905	2.32	2.27	3.46	3.63	6.92	2.99	4.15	10.97	2.86	5.25	2.30	2.16	49.28
1906	3.89	1.83	5.74	1.61	2.48	4.24	7.66	4.94	2.96	1.77	3.40	4.34	44.86
1907	8.54	0.85	7.32	3.22	3.25	2.73	6.35	2.67	5.72	3.15	3.58	3.14	50.52
1908	2.13	5.46	4.42	4.90	5.19	2.55	3.45	1.09	0.36	0.41	1.08	1.30	32.34
Mns	3.65	3.25	3.86	3.04	3.64	4.09	3.42	3.40	2.60	2.19	3.13	2.92	39.19

Lawshe, Adams County

Elevation, 900 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	......	......	......	......	......	......	......	......	......	0.68	1.52	1.99	......
1893	2.86	5.61	1.93	7.49	4.81	5.14	2.10	1.29	2.89	2.42	2.87	1.56	40.97
1894	2.46	3.08	2.74	2.86	2.24	2.23	0.76	3.65	1.62	1.45	1.09	3.78	27.96
1895	5.01	0.70	2.90	3.18	2.07	3.79	1.44	1.77	0.31	1.15	2.56	3.88	28.71
1896	1.59	2.29	3.93	0.61	3.29	4.17	8.32	3.20	3.12	2.23	4.20	1.74	38.69
1897	2.60	7.67	5.98	3.72	6.16	2.14	4.81	2.94	0.74	0.43	6.74	4.19	48.12
1898	11.69	2.64	5.27	1.89	3.72	2.65	5.27	3.93	1.89	3.31	3.13	2.66	48.05
1899	3.44	1.92	5.69	1.38	2.91	3.93	5.20	2.28	2.63	1.73	1.87	3.51	36.49
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1903	......	......	......	......	......	......	......	1.27	1.97	2.41	1.65	2.00	......
1904	2.05	2.32	6.14	1.81	3.54	2.59	3.00	2.95	1.39	0.39	0.30	4.04	30.52
1905	2.14	2.39	3.91	3.92	6.53	6.78	1.98	5.15	1.49	3.82	3.77	3.46	45.34
1906	2.91	1.59	6.69	1.37	2.46	5.10	5.09	6.30	4.05	1.74	2.21	3.92	43.43
1907	8.67	1.52	5.88	2.84	2.67	5.06	4.71	4.03	2.32	2.58	2.21	2.70	45.19
1908	1.67	5.71	6.47	5.21	6.50	3.94	3.65	3.45	0.29	0.95	2.04	2.24	42.12
Mns	3.92	3.12	4.79	3.02	3.91	3.96	3.86	3.25	1.90	1.81	2.58	2.97	39.09

Note—From October, 1892, to February, 1898, inclusive, the values given are for Cherry Fork, about eight miles southwest of Lawshe, and from April, 1898, to October, 1899, inclusive, are for Seaman, about four miles west of Lawshe.

New Bremen, Auglaize County

Elevation, 1,038 feet

1883	......	......	......	......	......	......	......	0.99	2.70	6.59	5.35	4.05	......
1884	3.20	......	4.72	1.71	3.69	6.17	4.03	0.92	3.49	1.19	2.78	4.98	......
1885	4.76	1.33	0.91	3.20	......	......	2.09	2.74	2.68	2.86	1.96	0.98	......
1886	1.79	1.05	4.81	2.00	......	......	......	3.94	4.02	0.69	.....	0.98	......
1887	1.80	7.05	......	2.34	......	......	2.55	2.74	1.59	0.92	4.82	4.83	......
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1894	1.77	3.18	1.57	1.96	3.01	1.08	1.08	2.25	4.50	2.67	2.50	2.42	27.93
1895	2.38	0.37	1.17	1.42	2.65	2.49	2.32	2.20	0.85	0.20	5.77	4.05	25.87
1896	1.16	1.31	2.00	2.35	2.47	2.83	7.98	1.72	5.75	0.15	1.26	1.51	30.49
1897	1.66	0.46	5.56	4.01	3.04	2.10	4.50	2.90	0.53	0.55	5.32	1.95	32.58
1898	3.28	0.85	3.22	0.89	2.72	0.83	3.33	2.29	0.83	......	......	......	......
1899	......	......	......	......	......	......	......	......	......	......	......	......	......
1900	1.12	4.23	2.52	1.74	2.28	3.91	2.37	4.09	1.84	2.19	4.22	1.09	31.60
1901	1.28	0.77	1.26	2.11	4.67	5.14	1.68	2.11	1.44	1.09	1.25	3.75	26.55
1902	0.87	0.58	3.05	1.20	2.74	7.81	3.65	2.71	3.46	3.08	2.78	2.84	34.77
1903	1.76	4.08	2.42	5.43	2.90	2.92	2.95	2.51	1.47	2.86	1.98	2.03	33.31
1904	5.00	2.80	7.51	6.18	1.55	3.95	2.94	2.14	3.06	1.54	0.23	3.52	40.37
1905	1.82	1.08	1.61	3.46	4.07	1.98	1.27	6.37	6.89	2.98	2.17	1.43	35.13
1906	0.81	0.68	4.20	1.02	1.62	1.19	3.76	2.21	1.59	1.78	3.79	2.67	25.32
1907	6.65	0.23	4.34	1.40	2.68	6.43	4.51	1.94	3.42	2.48	1.88	4.03	39.94
1908	1.60	3.46	5.04	3.73	3.54	1.62	3.68	4.08	0.45	0.48	1.80	2.41	31.89
Mns	2.37	1.97	3.29	2.56	2.91	3.36	3.21	2.68	2.66	1.91	2.93	2.75	32.60

New Richmond, Clermont County

Elevation, 788 feet

1899	3.60	2.71	6.59	1.23	4.50	3.49	2.74	4.97	1.50	1.30	2.62	3.15	38.40
1900	2.87	2.44	1.90	1.36	3.87	1.05	3.18	5.03	0.82	2.24	5.78	1.39	31.43
1901	0.81	1.23	1.74	2.67	3.19	4.98	2.00	1.42	1.26	0.60	1.06	3.84	24.80
1902	3.08	0.31	1.60	3.31	6.93	4.85	2.99	0.67	3.60	2.62	3.50	5.10	38.56
1903	2.06	5.20	3.88	3.88	3.92	2.25	2.16	2.55	1.78	1.39	1.67	1.58	32.33
1904	2.29	1.83	6.51	2.18	4.69	1.38	1.89	1.46	1.48	0.54	0.56	3.59	28.40
1905	1.44	1.86	3.04	2.72	6.84	3.65	2.54	5.11	1.27	4.78	3.84	4.00	41.09
1906	2.53	0.93	6.48	1.89	1.87	3.30	8.11	3.86	3.25	0.96	2.94	3.88	38.99
1907	8.00	0.71	5.74	2.85	3.68	4.35	4.33	2.66	1.37	3.57	2.26	2.49	42.01
1908	1.24	4.39	4.22	4.23	3.89	2.69	2.97	0.58	0.40	0.74	1.39	1.74	28.48
Mns	2.74	2.16	4.17	2.58	4.29	3.20	3.29	2.83	1.67	1.87	2.56	3.08	34.44

Oxford, Butler County

Elevation, 918 feet

1864	2.95	0.33	1.76	3.69	3.60	1.21	......	3.17	10.14	2.11	3.70	3.92	.....
1865	3.42	2.55	7.65	4.40	5.05	2.81	8.50	4.25	4.25	......	.....	......	.....
1866	......	......	.....	......	1.84	3.62	7.32	......	11.63	2.11	3.07	1.70	......
1867	2.80	5.17	2.71	3.46	3.68	5.55	4.71	1.66	0.59	2.03	2.68	5.01	40.05
1868	3.97	1.46	6.99	4.37	6.97	5.71	3.46	5.15	6.85	1.08	1.55	1.95	49.51
1869	1.42	3.24	6.59	3.77	6.81	3.39	2.83	1.02	3.01	2.38	3.73	3.28	41.47
1870	6.71	2.37	3.64	3.11	0.92	4.02	2.10	......	0.85	3.41	1.51	3.98	......
1871	2.11	3.63	4.71	1.67	2.77	6.02	3.75	6.07	0.39	1.77	3.02	3.60	39.51
1872	1.17	1.96	1.87	4.39	3.02	2.57	5.35	3.22	3.32	2.61	0.56	2.60	32.64
1873	3.85	2.80	2.51	2.76	3.72	3.38	6.04	3.94	1.58	2.88	2.13	4.96	40.55
Mns	3.16	2.61	4.27	3.51	3.84	3.83	4.90	3.56	4.26	2.26	2.44	3.44	42.08

Rosewood, Champaign County

1894	1.38	4.10	2.66	2.08	4.56	1.74	1.17	3.21	2.74	2.36	2.69	2.54	31.23
1895	3.84	0.73	1.24	1.58	1.75	2.35	0.63	2.88	0.27	0.97	5.35	3.00	24.59
1896	1.70	1.07	4.80	2.47	3.49	2.73	8.90	2.54	7.61	0.23	2.37	1.60	39.51
1897	1.10	3.37	6.29	3.51	4.80	2.84	3.28	2.40	0.43	0.68	8.19	1.99	38.88
1898	4.49	1.77	9.13	2.42	3.61	2.36	1.72	3.78	3.46	4.17	2.83	2.62	42.36
1899	3.65	2.03	3.87	1.41	2.67	0.46	5.52	2.37	1.58	2.23	1.60	4.10	31.49
1900	2.62	3.65	2.33	2.04	2.02	2.56	2.96	4.91	3.41	3.01	3.54	0.81	33.86
1901	2.44	0.65	3.58	1.85	3.07	3.29	1.14	3.08	2.02	1.32	1.25	3.91	27.60
Mns	2.65	2.17	4.24	2.17	3.25	2.29	3.16	3.15	2.69	1.87	3.48	2.57	33.69

Plattsburg, Clark County

Elevation, 1,130 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	......	......	......	......	......	......	......	......	......	0.72	2.42	2.51	......
1893	2.79	6.67	2.45	7.02	5.09	4.72	2.56	1.74	1.01	3.45	2.41	1.98	41.84
1894	2.00	3.83	2.31	1.72	3.52	2.95	2.33	3.11	2.87	1.33	2.21	2.69	30.87
1895	3.85	0.80	1.32	2.38	1.93	2.28	1.86	1.31	0.72	0.94	4.75	2.88	25.02
1896	1.92	2.03	4.73	1.47	3.35	3.67	10.30	3.71	6.53	1.42	3.29	1.37	43.79
1897	2.41	3.33	6.62	3.25	3.53	3.23	5.20	1.93	1.20	0.23	7.74	3.33	42.00
1898	5.30	1.93	8.82	2.17	4.85	4.67	1.87	4.52	2.46	3.52	4.40	2.97	46.98
1899	3.61	1.86	4.63	1.53	1.83	1.58	3.48	0.15	1.37	2.07	1.05	2.90	26.06
1900	2.91	3.65	2.00	1.60	1.48	2.44	5.80	2.65	4.12	2.33	4.88	1.45	35.31
1901	2.30	1.65	2.35	1.86	2.90	3.41	6.62	0.83	2.78	0.38	0.79	3.06	28.93
1902	1.11	0.80	2.12	1.38	1.87	8.23	2.82	1.75	4.34	2.57	3.17	3.70	33.86
1903	2.77	4.40	3.69	2.98	3.90	5.47	1.88	0.33	1.47	1.86	2.89	2.73	33.87
1904	3.70	2.12	6.46	3.47	3.19	2.08	2.89	3.12	2.30	2.14	0.36	4.97	36.80
1905	1.94	2.22	2.46	3.83	7.23	7.12	4.22	6.79	3.20	5.21	2.24	2.45	48.91
1906	2.48	1.18	4.37	1.12	1.90	1.62	4.48	4.09	2.41	1.89	3.50	3.94	32.98
1907	6.70	0.83	6.32	2.94	3.52	5.38	6.91	2.32	2.29	2.40	2.68	3.74	46.03
1908	1.62	5.31	6.80	3.33	5.10	2.86	3.99	1.31	0.37	0.84	0.77	1.45	33.75
Mns	2.96	2.66	4.22	2.63	3.45	3.86	4.14	2.48	2.46	1.96	2.91	2.83	36.56

Pulse, Highland County

Elevation, 1,000 feet

1894	......	......	......	.....	.....	4.64	0.81	2.39	2.19	1.82	1.73	4.00	.....
1895	6.84	0.53	2.12	3.51	1.99	3.67	2.91	1.32	0.68	1.09	4.09	3.98	32.73
1896	1.80	2.22	4.49	1.01	2.82	2.17	6.00	5.28	4.33	1.45	5.50	1.18	38.25
1897	2.59	5.48	8.59	3.87	3.98	1.58	10.42	2.92	0.72	0.55	6.57	2.89	50.16
1898	7.87	2.81	7.16	2.00	......	......	......	......	......	.....	......	......	......
1899	4.17	2.90	5.75	1.83	3.10	5.43	2.66	3.34	2.25	1.60	2.00	3.71	38.74
1900	2.58	2.87	1.91	1.70	2.97	2.30	2.64	3.25	0.76	2.03	5.58	1.49	30.08
1901	1.55	2.90	1.70	2.50	3.19	3.76	1.49	1.44	0.94	0.74	0.78	3.69	24.68
1902	3.17	0.61	1.90	2.75	3.04	7.05	2.28	1.00	3.90	2.29	3.25	5.17	36.41
1903	3.01	6.39	3.57	3.10	4.04	2.54	1.31	1.42	1.98	1.36	1.38	1.93	32.03
1904	2.21	1.95	6.31	2.45	3.82	2.14	1.87	2.20	0.84	0.92	0.26	4.21	29.18
1905	1.79	2.11	3.73	3.63	6.92	3.01	1.92	3.40	1.34	3.94	3.34	4.09	39.22
1906	2.78	1.87	6.48	1.42	2.14	3.15	8.88	2.34	4.09	1.07	2.52	4.68	41.42
1907	8.93	1.34	6.99	3.03	2.80	3.59	2.59	2.95	2.21	3.32	2.46	3.05	42.76
Mns	3.79	2.61	4.67	2.52	3.36	3.46	3.52	2.56	2.02	1.71	3.04	3.39	36.65

Note—From 1894 to 1898, inclusive, the values given are for Fayetteville, Brown County, about five miles northwest of Pulse.

Ripley, Brown County

1857	......	......	......	......	......	......	......	......	......	5.52	6.60	2.98	......
1858	2.28	3.14	0.97	3.58	6.13	5.45	5.75	2.34	1.22	4.27	1.22	8.76	45.11
1859	2.63	6.69	......	......	......	......	......	......	......	1.12	2.63	5.82	......
1861	2.75	1.74	2.27	......	......	......	......	......	......	......	......	......	......
1862	......	......	......	......	......	......	......	......	......	......	......	......	......
1863	......	......	......	......	......	......	......	......	......	......	......	2.65	......
1864	......	1.60	1.89	2.12	3.66	3.96	1.30	3.58	6.55	2.43	5.17	5.43	......
1865	4.27	4.51	9.04	8.30	10.94	3.75	6.16	4.52	3.92	0.88	0.68	3.88	60.85
1866	4.81	2.31	6.31	2.13	.....	3.96	5.86	......	......	......	......	1.75	......
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1893	......	......	......	7.44	3.66	4.12	3.86	0.63	1.50	3.84	2.02	0.99	......
1894	1.46	3.14	2.59	2.75	2.32	2.17	0.56	2.57	1.59	1.89	1.23	3.95	26.22
1895	4.89	0.61	2.39	3.92	1.82	2.81	2.54	2.53	1.00	1.31	2.61	4.04	30.47
1896	1.71	2.34	3.98	1.18	3.52	7.25	7.79	4.94	3.34	2.21	4.23	1.84	44.33
1897	2.42	7.11	6.09	5.54	7.40	2.96	4.73	2.62	0.69	1.29	6.68	3.83	51.36
1898	9.44	2.63	6.56	1.82	3.43	3.37	8.70	4.42	2.95	2.45	3.42	3.09	52.28
1899	3.88	2.96	6.29	1.19	2.92	4.46	2.91	5.92	2.66	2.01	1.86	4.75	41.81
1900	2.41	3.00	1.65	1.13	3.47	5.34	1.91	1.80	1.52	1.01	6.60	1.67	31.51
1901	0.99	1.31	1.40	3.72	2.35	5.52	0.59	2.37	1.77	0.96	1.40	4.08	26.46
1902	2.47	0.47	3.03	3.18	3.85	5.15	3.49	1.71	4.16	1.99	3.48	5.48	38.46
1903	2.34	7.25	4.29	3.65	3.52	2.02	2.37	2.52	......	......	......	......	......
Mns	3.25	3.18	3.92	3.44	4.21	4.09	3.90	3.03	2.53	2.21	3.32	3.79	40.87

Springfield, Clark County

Elevation, 980 feet

1869	3.84	......	......	......	......	......	......	......	......	......	......	......	......
1870	....	......	......	1.70	0.45	2.20	3.10	......	0.50	.....	.....	......	.....
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1885	......	......	......	......	......	......	......	......	5.45	......	......	......	......
1886	.....	.....	1.63	3.11	6.49	2.50	1.54	3.82	4.65	1.61	3.55	......	......
1887	1.28	4.86	3.00	3.90	2.16	......	1.62	......	......	......	......	......	......
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1896	......	......	......	......	......	......	......	......	5.76	0.65	3.63	1.22	.....
1897	1.82	3.08	6.03	3.09	4.47	4.54	4.40	1.50	0.79	0.68	9.04	2.87	42.31
1898	5.26	1.94	8.74	2.33	3.83	2.78	3.29	3.50	3.24	3.38	4.52	2.65	45.46
1899	3.04	1.46	4.71	1.03	2.53	2.46	4.12	0.25	1.75	2.30	1.25	3.06	27.96
1900	3.07	2.67	2.08	2.00	2.89	4.06	3.72	3.88	2.10	1.64	3.50	1.24	32.85
1901	1.81	1.07	2.48	1.61	2.84	6.92	2.81	2.32	2.44	0.58	0.88	3.24	29.00
1902	1.02	0.65	2.92	1.79	2.87	8.65	5.72	0.97	4.86	2.92	3.76	3.66	39.79
1903	2.10	4.47	3.01	2.78	3.60	5.22	2.29	0.49	1.39	2.51	1.74	2.19	32.19
1904	3.62	2.14	8.05	2.34	2.59	3.06	3.44	2.12	2.56	1.84	0.20	4.07	36.03
1905	1.42	1.73	2.08	3.91	5.63	5.89	2.74	3.83	5.02	4.45	2.07	1.94	40.71
1906	2.60	0.84	4.52	1.42	2.19	2.55	10.25	4.07	2.82	1.63	3.53	2.99	39.41
1907	7.49	0.29	5.10	2.56	2.86	6.73	5.07	2.91	3.45	2.77	2.25	3.27	44.75
1908	1.54	5.26	8.21	3.47	4.20	4.46	6.45	1.08	0.24	0.52	0.86	1.55	37.84
Mns	2.85	2.34	4.47	2.47	3.31	4.43	4.04	2.36	2.94	1.99	2.91	2.61	36.72

Sidney, Shelby County

Elevation, 985 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1856	......	......	......	......	......	......	......	......	2.72	1.29	3.81	......	......
1857	0.83	......	0.31	......	8.90	1.44	......	1.99	......	8.02	......	3.41	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1883	0.75	6.60	1.71	3.30	5.56	5.27	3.04	2.57	3.69	4.41	4.06	1.84	42.80
1884	1.86	4.36	3.08	1.66	6.27	2.10	3.73	1.45	8.18	1.83	1.73	5.03	41.28
1885	4.21	1.65	......	3.33	3.78	3.81	5.34	......	1.70	1.06	1.72	0.72	......
1886	2.37	0.93	2.21	3.59	6.84	2.65	1.42	5.61	10.25	2.30	3.71	2.10	43.98
1887	1.89	5.95	0.54	3.90	3.35	2.80	4.20	2.35	2.85	0.60	4.10	3.00	35.53
1888	4.00	1.50	5.65	2.59	3.95	4.82	3.63	3.87	0.65	5.99	5.26	1.77	43.68
1889	3.59	1.27	1.01	1.58	5.20	5.55	8.32	3.74	4.48	1.05	6.56	4.14	46.49
1890	4.89	4.98	4.74	3.22	......	......	......	......	......	......	......	1.41	......
1891	2.94	4.72	5.18	3.27	3.07	6.29	3.82	4.33	0.80	1.69	5.86	3.27	45.24
1892	1.64	3.37	2.97	4.53	7.66	4.59	3.83	1 12	1.85	0.23	3.31	1.53	36.63
1893	3.06	5.82	2.41	9.04	7.93	6.08	1.60	0.60	1.15	4.47	2 25	2.37	46.78
1894	1.83	4.21	2 28	2.22	2.65	3.52	0.49	2.25	3.23	2.90	3.14	2.38	31.10
1895	3.28	0.58	1.42	0.99	1.70	3.05	1.27	3.06	0.50	1.19	5.59	3.48	26.11
1896	1.58	1.51	4.34	2.95	3.64	2.65	7.64	4.01	6.20	0.77	2.99	2.24	40.52
1897	2.05	2.67	5.78	3.68	5 41	3.31	2.63	2.62	0.50	0.94	7.54	2.24	39.37
1898	4.39	1.85	7.89	2.99	4.78	3.01	1.90	3.63	2.82	4.80	3.76	2 63	44.45
1899	3.28	2.34	4.37	1.35	3.03	1.10	6.21	0.52	1.26	2.21	2.58	3.33	31.58
1900	2.94	3.56	2.99	1.80	1.90	3.82	2.70	3.98	2.53	5.21	3 08	1.24	35.75
1901	2.02	1.13	3.08	2.07	3.46	4.98	2.36	2.50	2.14	1.73	1.30	3.95	30.67
1902	0.99	0.62	2.61	1 97	3.40	5.91	3.49	2.04	5.62	2.87	3.13	3.46	36.11
1903	2.51	4.45	2.63	2.97	3.27	3 00	2.49	2.43	1.58	3.07	1.85	2.01	32.26
1904	4.96	2.10	8.06	4.23	2.95	3.63	3.42	1 78	1.75	0.78	0 18	4.05	37.89
1905	1.82	1.49	1.95	4.53	6.03	4.71	2.39	7.35	5.50	2.52	1.86	2.17	42.32
1906	1.92	0.87	4 45	1.36	2 23	2 49	4.30	3.31	1.47	1 88	2.67	3.02	29.97
1907	7.41	0.30	4.79	2.43	2.59	6.18	5.83	1 80	5.41	2.25	2.33	4.09	45.41
1908	1 74	4.96	6.16	2 86	3.07	1.96	5.05	1 79	0 67	0.38	0.55	1.78	30 97
Mns	2 77	2.84	3.56	3.02	4.33	3.80	3.64	2.83	3.06	2.46	3.25	2.69	38.25

Springboro, Warren County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1884	......	......	......	......	......	......	2.91	2.03	4.52	......	0.71	......	......
1885	......	......	0.50	3.16	2 65	3 98	1.75	8 22	4.13	3.05	2.39	0.38	......
1886	......	......	......		6.49	......	1 54	......	......	......	......	......	......
1887	......	......	......	......	......	......	......	......	1.66	0.11	2.03	......	......
1888	3.92	1.97	5.08	1.95	4.95	3.61	2.95	7.58	1.48	2.38	1 99	0.75	38 61
1889	3.48	1.00	0.87	0.85	3 95	2.75	2.74	0.81	2.53	2.58	3.73	3 63	28.92
1890	6.15	5.21	6.04	2.63	5.60	3.92	1.33	4.11	4.32	3.08	1.70	1.78	45.82
1891	2.60	6.58	5.16	2.28	1.74	5.17	3.66	3.23	0.90	1.70	6.12	2.25	41.39
1892	1.34	2.53	1.91	5.68	5.73	4.75	1 55	1.76	4.06	0.90	3.14	1.02	34.37
1893	1.20	5.26	2.19	7.82	5.79	4.02	2.50	5.23	1.62	4.31	1.16	2.90	44.00
1894	1.92	4.18	2.44	2.71	5.12	2.21	0.10	1.58	2.78	1.38	2.29	3.23	29.94
1895	3.56	0.70	1.22	2.13	1.63	3.74	0.95	2.22	0.54	1.62	4.98	2.66	25.95
1896	2.20	1.31	1.61	1.71	2.85	3.75	6.31	6.28	6.33	1.13	3.05	0.80	37.33
1897	1.75	3.35	7.10	4.38	3.20	2.80	3.30	2.19	0.72	0.41	9.34	2.77	41.31
1898	5.10	1.35	8.70	1.50	3.61	1.65	3.05	5.33	2.65	3.27	3.80	2.30	42.31
1899	3.20	1.25	3.60	2.11	3.38	3.52	4.63	5.02	1.57	2.45	1.64	3.36	35.78
1900	3.21	2.94	2.27	2.18	3.68	3.11	5 58	5.05	1 00	3 69	3.53	1.72	37.96
1901	1.84	0.87	1.97	......	......	......	......	......	......	......	......	......	......
Mns	2.96	2.75	3 38	2.94	4.02	3.50	2 80	4.04	2.55	2 14	3.22	2.11	36.41

Troy, Miami County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1859	2.20	5.19	7.05	7 32	4.10	4.23	0.82	3 48	2.80	1 69	4.44	3.28	46.60
1861	2.60	3 55	6.25	5.43	7.16	6.40	4 15	6.07	2.24	6.04	5.21	1.01	56.11
1862	4.16	2.92	9.81	14.67	7.83	4 65	3.49	3.35	1.61	1.75	2.71	5.26	62 21
1863	......	2.17	3 52	......	3.85	......	......	......	......	1.87	......	......	......
1884	......	......	......	......	4.31	1.96	4.02	1.05	5.97	1.08	1.25	2 27	......
1885	2.10	1.20	......	3 62	5 22	2.76	4.19	5 92	......	1 88	2.31	1.67	......
1886	1.76	0.43	1.67	2 19	5.80	2.26	3.37	......	......	......	......	......	......
Mns	2 56	2.58	5.66	6.65	5.40	3.71	3.34	3.97	3.16	2.38	3 18	2 70	45.29

Waynesville, Warren County

Elevation, 700 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1885	4.69	3.02	0.77	3.40	3.82	4.41	2.32	8 59	4.66	2.05	2.97	1.98	42.68
1886	3.53	1.87	2 26	3 80	4.29	5.43	3.07	5.48	2.96	1.59	3.65	3.07	41.00
1887	2.83	7.70	3 42	5.90	3 23	4 19	1.10	1.68	1.60	0.43	3.65	2.73	38 46
1888	3.98	2.07	4.80	2.38	4.00	2.47	4 09	6.23	1.57	5.27	5.11	1.44	43.41
1889	3.69	0.86	0.65	0.69	3 75	3.49	2.31	0.84	2.87	2.33	5.05	3.11	29.64
1890	6.47	5.26	5.95	2.65	4.71	4.50	0.48	4.07	5.13	3.05	2 45	1.98	46.70
1891	3 23	5.87	6.01	2 35	1.62	6.71	2 99	3 19	1.63	2.10	6.75	2.77	45.22
1892	2.05	3.57	2 02	5.30	4 88	5 01	1.74	2.79	3.18	0.77	3.09	1 56	35 96
1893	2.64	6.15	2.70	8 66	6 57	3.93	2.85	3.46	2.38	4.16	1.90	2 88	48 28
1894	2.68	4.47	2 30	2 30	4 95	3.12	0.45	1.84	3.24	1 35	1 58	4.16	32.44
1895	5 01	0.33	1.76	2 79	1.57	2.92	1 81	2 43	0 50	0.85	5.04	3.25	28.26
1896	2 14	1 66	3.43	1 88	2 64	4.89	4 84	4 47	5 65	1.26	3 00	1 67	37.53
1897	2 51	4.05	7.27	4 38	3 60	3 28	3 77	2.49	0.83	0.53	8 88	3.15	44 74
1898	6 24	1.72	8.32	1 56	4.18	1 62	1 30	6 24	2 75	3.39	3 31	3 16	43 79
1899	3 68	2 08	5.01	1 32	4 17	2.92	3.25	4 67	1.04	2 44	1 28	3.19	35.05
1900	3 10	2.61	2.21	1 66	5.94	2.15	5.12	6 56	0.83	2 16	3.63	1.23	37.20
1901	1 83	1 34	2.20	1.95	3 43	3.80	2 22	2 85	2.45	0.80	1.00	3 55	27 42
1902	1 55	0 57	2.25	1.93	2 21	10.35	1 89	0.65	4.90	3 38	2 19	3 84	35 71
1903	1 85	4 93	5.19	2 98	4.36	7 89	2 01	1 81	0 73	1 62	1 93	2 24	37 54
1904	3 40	2 08	6.38	2.54	3 65	3 02	0.81	3.03	1 07	1 70	0.35	4.93	32.96
1905	1 01	2 30	2.97	4 18	5.92	6 01	2 83	7 57	3 23	5 15	1 98	2.25	45.40
1906	3 09	0 95	5.08	1 90	2.44	2.08	2.63	5 86	3.10	1.43	3.37	3.73	35.66
1907	7.26	0.70	5 88	2.86	2 73	3.44	3.12	4 34	3 22	3.25	2.69	2.07	41.56
1908	1.62	4 50	4.84	4.14	7 35	1 22	2 78	0.82	0 25	0 27	0 75	1.30	29 84
Mns	3.34	2 94	3 90	3.06	4.00	4.12	2 49	3.83	2 49	2 14	3 15	2 72	38 18

Urbana, Champaign County

Elevation, 1,031 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1852	2.74	3.13	4.99	5.69	4.41	4.21	3.68	3.05	6.03	3.59	5.64	11.68	58.84
1853	1.79	4.01	2.53	4.42	3.06	4.72	4.16	8.44	4.16	2.49	3.67	1.75	45.20
1854	3.61	3.76	5.41	5.75	6.02	2.80	1.67	1.99	1.97	4.46	2.62	1.29	41.35
1855	3.97	1.66	3.40	2.56	6.72	10.78	6.17	1.28	8.76	3.18	5.18	3.86	57.47
1856	1.02	1.90	1.09	1.90	3.84	3.23	3.89	2.37	2.91	2.08	3.60	3.02	30.85
1857	1.16	3.20	1.85	1.94	6.41	3.05	4.28	4.63	1.84	3.27	5.65	2.54	39.82
1858	2.05	1.48	0.96	3.87	7.50	5.26	3.60	4.36	1.97	1.78	3.39	4.80	41.02
1859	2.30	3.05	4.16	4.25	1.61	4.18	0.80	2.20	3.35	1.26	4.69	4.66	36.51
1860	1.85	2.05	0.76	6.30	1.07	3.37	6.21	3 98	2.59	2.00	2.42	3.17	35.72
1861	1.97	1.62	2.95	3.95	4 35	4.19	3.69	3.29	3.42	2.88	2.83	1.20	36.34
1862	3.01	2.47	4.83	5.10	3.70	3.02	4.02	2.33	0.60	1.13	3.08	4.32	37.61
1863	6.36	3.18	2.50	1.69	3.54	1.31	2 10	1.66	3.13	3.62	3.01	4.51	36.56
1864	1.89	0.55	2.33	2.63	2.21	3.82	0.84	5 47	3.18	1.89	3.42	3.64	31.87
1865	1.55	1.97	4.68	6.92	4.11	5.06	4.62	6.66	5.32	1.22	0.73	3.20	46.04
1866	3.39	2.25	3.51	1.36	1.59	5.54	4.74	3.57	15.88	2.41	3.27	2.11	49 62
1867	1.60	3.85	3.08	3.48	2.27	4.08	2.87	2 08	0.82	2.01	2.14	4.09	31 87
1868	2.44	1.03	7.71	3.35	6.19	10.38	1.88	5.21	3.81	1.17	1.77	1.57	46.51
1869	1.50	3.40	5.73	2.43	7.09	2.49	6.53	1.01	3.22	1.89	4.21	3.12	42.62
1870	6.63	2.07	4.26	1 14	0.68	2.47	2.63	2.34	0 47	3.91	1.90	3.13	31.63
1871	1.55	1.85	2.74	2.82	2.00	3.65	2.45	6.25	0.25	1.20	3.33	2 81	30.40
1872	1.21	1.32	1.46	3.38	1.34	1.24	7.33	4.96	0.75	1.95	1.12	2.57	28.63
1873	2.78	1.14	2.42	3.44	3.40	2.83	6.76	1.19	2 49	3.21	1.92	5.59	37.17
1874	3.80	4.23	2.70	4.41	1.82	2.19	3.24	2.27	1.61	0.53	3.19	3.66	33.15
1875	1.25	2.13	2.61	1.67	3.09	6.69	9.69	3.74	2.04	2.94	3.72	3 07	42.64
1876	5.62	2.99	4.24	3.04	2 66	2.83	6.71	4.08	3.73	2.51	2.33	1.24	41.93
1877	2.18	0.69	4.98	2.09	2.22	12.34	2.25	2.56	1 88	1.16	3.21	1.54	36.60
1878	4.06	2.53	3.65	3.20	......	......	......	......	3.33	2.81	2.26	2.21	......
1879	1.78	2.98	......	......	2.88	5.13	5.57	4.94	2.35	0.82	4 51	3 62	......
1880	4.75	4.16	3.27	......	......	......	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1896	1.49	1 52	3.35	1.87	3.57	5.11	10.10	3.20	7.39	0.88	2.74	1 10	41.82
1897	1.70	3.02	4.95	2.75	3 88	2.93	4 78	1.87	0.60	0.69	6 06	2.55	35 78
1898	3.97	2.01	8.25	2.38	3.46	3.08	2.52	2.96	3.83	3.60	3.18	2.42	41.66
1899	2.00	1.06	4.19	1.07	3 75	1.04	5.12	0.55	1.83	2.38	1.28	2.46	26.73
1900	3.14	3.25	2.01	2.02	2.36	4.00	2.42	3.33	2.39	1.99	3.68	1.15	31 74
1901	2 36	0.99	3 32	1 74	2 61	3 34	4.51	2.50	1.99	0.90	0.81	3.27	28 84
1902	0.86	0.55	2.52	1.53	2.25	7.86	4.38	1.49	4 73	2.66	2.59	3.40	34.82
1903	2.31	3.54	2.58	2 54	3.84	6.33	5.69	1.78	1.03	2.15	2 35	2.11	36.25
1904	3.40	2.14	6 09	3 58	2 40	4 33	2.58	2.82	1.94	2.41	0.16	3.01	34 86
1905	1.20	1.32	0.89	4.24	6 86	4.50	2.71	3.83	7.59	4.66	1.84	1.95	41.59
1906	1 54	0.87	4.27	1.86	2.81	1.50	5.49	5.48	1.92	1.89	2.78	3.32	33.73
1907	6.40	0.36	4.09	2.95	2.96	5.04	9.17	2.80	4.38	1.94	2.06	2.71	44.81
1908	1.07	5.41	5.54	3.66	4.16	4.04	4.49	2.77	0.28	0.57	0.97	1.21	34.12
Mns	2.65	2.30	3.58	3.12	3.50	4.36	4.41	3.28	3.19	2.19	2.91	3.03	38.52

Average Number of Days with .01 Inch or More of Precipitation

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bellefontaine	15	9	8	10	9	11	9	9	7	7	7	7	8	101
Camp Dennison	15	12	10	14	11	12	10	10	9	7	7	9	11	122
Cincinnati	37	13	12	14	12	12	12	10	10	8	8	10	13	134
Clarksville	15	12	11	14	12	13	12	11	9	8	8	10	12	132
Dayton	15	10	11	13	11	12	10	10	8	7	7	9	10	118
Green	15	7	6	8	6	8	8	8	6	4	3	4	6	74
Greenville	15	9	8	11	10	12	11	10	8	7	7	9	9	111
Hillsboro	10	9	8	11	10	10	9	7	7	5	5	8	8	97
Jacksonburg	15	8	7	9	7	9	8	8	7	5	5	6	6	85
New Bremen	14	7	5	8	7	8	7	8	6	6	5	6	6	79
Plattsburg	15	9	7	11	9	11	10	10	7	6	6	8	9	103
Sidney	14	14	12	15	11	12	11	9	8	8	8	10	12	130
Urbana	13	9	7	10	8	10	9	10	7	6	5	7	8	96
Waynesville	16	8	7	10	11	10	9	8	7	5	5	7	8	95

Snowfall

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bellefontaine	14	6.6	8.0	5.6	1.1	0.1	0	0	0	0	0.1	1.3	3.0	25 8
Camp Dennison	14	5 7	4.5	3.4	0.5	T.	0	0	0	0	T.	0.7	3.8	18 6
Cincinnati	24	5.2	4.7	2.8	0.5	T.	0	0	0	0	T.	0.7	3 5	17.4
Clarksville	15	5.3	3.7	3 2	0.6	0.1	0	0	0	0	T.	1 3	3.4	17 6
Dayton	15	7.5	5.6	4.2	0 8	T.	0	0	0	0	T.	0.8	4 1	23.0
Green	15	5 2	4.8	2 7	0 4	T.	0	0	0	0	T.	0.5	2 2	15.8
Greenville	15	5.3	5.1	4 8	0.7	0.1	0	0	0	0	T.	0.6	4.3	20.9
Hillsboro	10	6.6	5.4	3.6	1.2	T.	0	0	0	0	T.	0 9	1.9	19.6
Jacksonburg	14	9.2	7 6	6.7	1 0	0.2	0	0	0	0	0.1	1.1	5.8	31.7
New Bremen	13	6.8	5.5	6.1	0.5	T.	0	0	0	0	T.	1 6	4.2	24 7
Plattsburg	15	7.4	6.0	5.3	0.9	0.1	0	0	0	0	T.	1.5	5 7	26.9
Sidney	14	7.5	5.8	5.1	0 7	T.	0	0	0	0	0.1	1.4	5.7	26.3
Urbana	13	6.8	5.0	5.6	0.6	0.2	0	0	0	0	0.1	1 1	4.7	24.1
Waynesville	14	6.8	5.1	4 5	0.7	0 2	0	0	0	0	T.	0.9	4 5	22 7

Monthly and Annual Mean Temperatures

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bellefontaine	15	27.2	24.5	38.6	48.5	60.5	68.7	73.7	71.6	66.2	53.8	40.7	29.5	50.3
Camp Dennison	16	31.4	29.5	44.0	52.7	64.0	72.3	76.6	74.9	69.2	55.2	42.9	33.4	53.8
Cincinnati	37	32.9	34.4	43.1	53.8	64.6	73.6	77.6	75.5	69.2	56.9	44.4	35.9	55.2
Clarksville	22	30.3	30.2	41.2	51.9	62.4	71.1	74.9	73.1	67.4	54.4	42.5	34.0	52.8
Dayton	26	28.9	30.0	40.3	51.7	62.9	72.2	76.2	73.6	67.4	54.1	42.1	33.1	52.7
Green	15	33.5	31.2	45.5	53.0	64.2	72.0	75.7	74.7	68.7	55.9	44.2	35.2	54.5
Greenville	23	27.4	27.5	38.8	49.9	60.7	69.4	73.5	70.9	64.7	52.1	40.3	31.1	50.5
Hillsboro	10	30.0	28.8	41.9	52.6	62.2	71.8	75.5	74.4	68.4	55.4	42.2	33.6	53.1
Jacksonburg	28	27.7	29.3	39.3	51.4	62.5	71.7	76.0	74.4	68.5	55.7	41.4	31.7	52.5
New Bremen	14	27.7	24.5	40.4	49.8	61.5	69.4	74.2	22.4	66.7	53.8	41.3	30.3	51.0
Plattsburg	16	27.7	26.0	40.2	50.1	61.5	69.4	74.0	72.2	67.1	54.3	41.1	30.8	51.2
Sidney	21	26.6	26.2	38.5	49.9	61.7	70.4	75.0	72.5	66.0	52.4	40.5	31.1	50.9
Urbana	13	27.3	25.1	39.4	48.9	61.3	68.6	73.5	71.3	65.3	53.6	40.0	29.6	50.8
Waynesville	13	29.1	26.6	42.0	50.0	62.3	69.9	74.6	73.0	66.8	54.7	41.8	31.0	51.8

Highest Temperatures by Months

Bellefontaine	15	71	65	84	90	94	97	100	96	96	85	79	62	100
Camp Dennison	16	75	68	86	89	95	100	109	103	101	90	79	68	109
Cincinnati	37	75	73	85	87	94	98	105	101	99	88	78	72	105
Clarksville	22	74	81	82	87	92	97	104	98	99	89	79	68	104
Dayton	26	75	72	84	90	97	100	108	100	102	93	76	68	108
Green	15	76	73	93	91	94	97	99	99	100	90	80	70	100
Greenville	23	70	65	84	85	92	96	101	97	95	83	73	64	101
Hillsboro	10	69	68	85	94	99	103	105	103	105	95	85	68	105
Jacksonburg	24	75	68	83	89	99	101	109	104	105	95	78	68	109
New Bremen	14	72	66	83	86	96	101	102	100	98	88	78	62	102
Plattsburg	16	72	65	81	87	98	97	103	97	99	90	78	64	103
Sidney	22	72	75	84	90	95	100	108	101	102	90	80	66	108
Urbana	61	74	70	83	90	94	97	99	99	98	90	76	69	99
Waynesville	13	72	65	83	87	96	96	105	97	98	90	74	66	105

Lowest Temperatures by Months

Bellefontaine	15	-20	-21	— 2	13	20	36	43	43	30	15	5	-10	-21
Camp Dennison	16	-12	-25	5	20	29	41	48	45	30	17	6	-15	-25
Cincinnati	37	-12	-17	1	18	33	39	53	51	35	26	5	- 8	-17
Clarksville	22	16	-22	1	20	30	40	46	44	32	20	0	-13	-22
Dayton	26	22	-28	— 3	18	28	41	45	40	28	18	- 1	-16	-28
Green	15	— 9	-24	3	19	31	40	41	47	31	19	6	- 7	-24
Greenville	23	-17	-20	- 1	18	30	40	46	45	31	15	4	-10	-20
Hillsboro	10	-15	-30	- 5	19	27	39	41	40	30	13	9	-19	-30
Jacksonburg	24	-28	-22	0	20	29	40	49	44	32	21	- 1	- 9	-28
New Bremen	14	-25	-23	0	16	22	35	44	42	28	11	6	-14	-25
Plattsburg	16	-20	-23	- 2	18	27	38	44	45	29	18	7	-12	-23
Sidney	22	-8	-25	-10	13	26	38	41	39	25	14	3	-26	-34
Urbana	61	-21	-22	-15	13	24	33	43	34	28	16	-11	-18	-26
Waynesville	13	-14	-23	0	20	27	40	47	44	31	21	7	-10	-23

Direction of Prevailing Wind

Stations	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Cincinnati, Ohio	sw.	nw.	nw.	nw.	se.	se.	sw.	ne.	se.	se.	se.	sw.	se.
Clarksville, Ohio	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.
Columbus, Ohio	sw.	w.	w.	nw.	sw.	sw.	sw.	sw.	s.	s.	sw.	sw.	sw.
Greenville, Ohio	w.	s.	s.	n.	s.	s.	sw.	s.	s.	s.	s.	w.	s.
Indianapolis, Ind.	w.	nw.	nw.	nw.	s.	sw.	sw.	sw.	s.	s.	nw.	sw.	sw.

Mean Relative Humidity

Stations		January	February	March	April	May	June	July	August	September	October	November	December	Annual
		%	%	%	%	%	%	%	%	%	%	%	%	%
Cincinnati, Ohio*	8 a. m.	80	78	75	70	72	74	74	77	78	78	78	79	76
	8 p. m.	73	68	66	54	57	58	56	57	58	59	66	72	62
Columbus, Ohio*	8 a. m.	84	82	80	74	75	77	76	79	80	81	82	83	79
	8 p. m.	77	74	69	61	61	63	59	61	62	64	70	76	66
Indianapolis, Ind.*	8 a. m.	83	80	78	72	73	75	71	76	77	78	79	80	77
	8 p. m.	76	74	68	61	62	61	58	58	60	59	67	73	65

* 75th meridian time.

Average Hourly Wind Movement (in miles)

Cincinnati	8	8	8	8	6	6	5	5	5	6	7	7	7
Columbus	9	10	10	9	8	7	7	6	7	8	9	9	8
Indianapolis, Ind.	12	12	12	11	10	9	8	7	8	9	10	12	10

Frost Data

Stations	Years of record	Average date of first killing frost in autumn	Average date of last killing frost in spring	Earliest date of killing frost in autumn	Latest date of killing frost in spring
Bellefontaine	15	October 7	April 28	September 20	May 28
Camp Dennison	16	October 11	April 25	September 23	May 19
Cincinnati	37	October 25	April 14	September 30	April 24
Clarksville	16	October 7	April 25	September 14	May 28
Dayton	15	October 10	April 27	September 21	May 21
Green	15	October 14	April 21	September 29	May 10
Greenville	16	October 10	April 30	September 23	May 29
Jacksonburg	18	October 13	May 2	September 23	May 29
Plattsburg	16	September 30	May 3	September 14	May 31
Sidney	14	October 4	May 3	September 14	May 31
Urbana	13	October 2	April 27	September 14	May 28
Waynesville	13	October 4	May 7	September 14	May 29

HYDROGRAPHIC DATA FOR SECTION 71

Summary of Climatological Data for the United States

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY

By R. H. BOLSTER, *Assistant Engineer*

PRELIMINARY NOTE: Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section comprises the Scioto River and portions of adjacent river drainages. Scioto River drains an area of about 6,430 miles lying in the central and southern parts of the State of Ohio. The stream has a generally southerly course and empties into Ohio River at a point about 110 miles above Cincinnati. The drainage basin as a whole is long and narrow, the tributaries flowing through what may be classed as "prairie" country, from which the run-off is small. The chief interest in connection with this stream is the use of its waters for municipal supplies. The city of Columbus is situated a little above the center of the drainage basin. Above it are a number of important towns, the sewage from many of which flows into the creeks and ultimately in diluted form reaches Scioto River, making its waters of dubious character for domestic use. The lands above Columbus are highly cultivated, while further south the country is hilly and less widely farmed.

Olentangy River is the principal tributary of the Scioto and unites with it at Columbus. It rises in the north-central part of the State and flows generally southward. Its length is about 100 miles. The watershed of Olentangy River is generally flat and is for the most part cultivated.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month during the entire period covered by the table. The two remaining columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly distributed on the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly Discharge of Olentangy River near Columbus, Ohio, for 1899—1900

[Drainage area 514 square miles]

Month	Discharge in cubic feet per second				
	Maximum	Minimum	Mean	Per square mile	Depth in inches on drainage area
January	10,200	230	1,190	2.32	2.68
February	2,660	230	668	1.30	1.35
March	7,490	347	1,320	2.57	2.96
April	2,150	90	478	.930	1.04
May	465	36	94.0	.183	.21
June	1,410	25	206.0	.400	.45
July	427	8	72.5	.141	.16
August	1,630	8	200.0	.389	.45
September	247	8	23.5	.046	.05
October	25	8	10.0	.019	.02
November	1,030	8	86.0	.167	.19
December	1,740	25	211.0	.410	.47
The period	10,200	8	380	.739	10.03

Monthly Discharge of Scioto River near Columbus, Ohio, for 1899, 1900, and March, 1904—July, 1906

[Drainage area, 1,050 square miles]

Month	Discharge in cubic feet per second				
	Maximum	Minimum	Mean	Per square mile	Depth in inches on drainage area
January	16,100	75	1,410	1.34	1.54
February	4,820	130	1,200	1.14	1.19
March	19,500	268	2,940	2.80	3.23
April	21,300	128	1,470	1.40	1.56
May	11,400	92	602	.573	.66
June	4,300	11	381	.363	.40
July	8,570	5	434	.413	.48
August	5,060	5	270	.257	.30
September	4,800	1	289	.275	.31
October	2,720	1	164	.156	.18
November	1,500	0	166	.158	.18
December	2,720	27	361	.344	.40
The period	21,300	0	807	.769	10.43

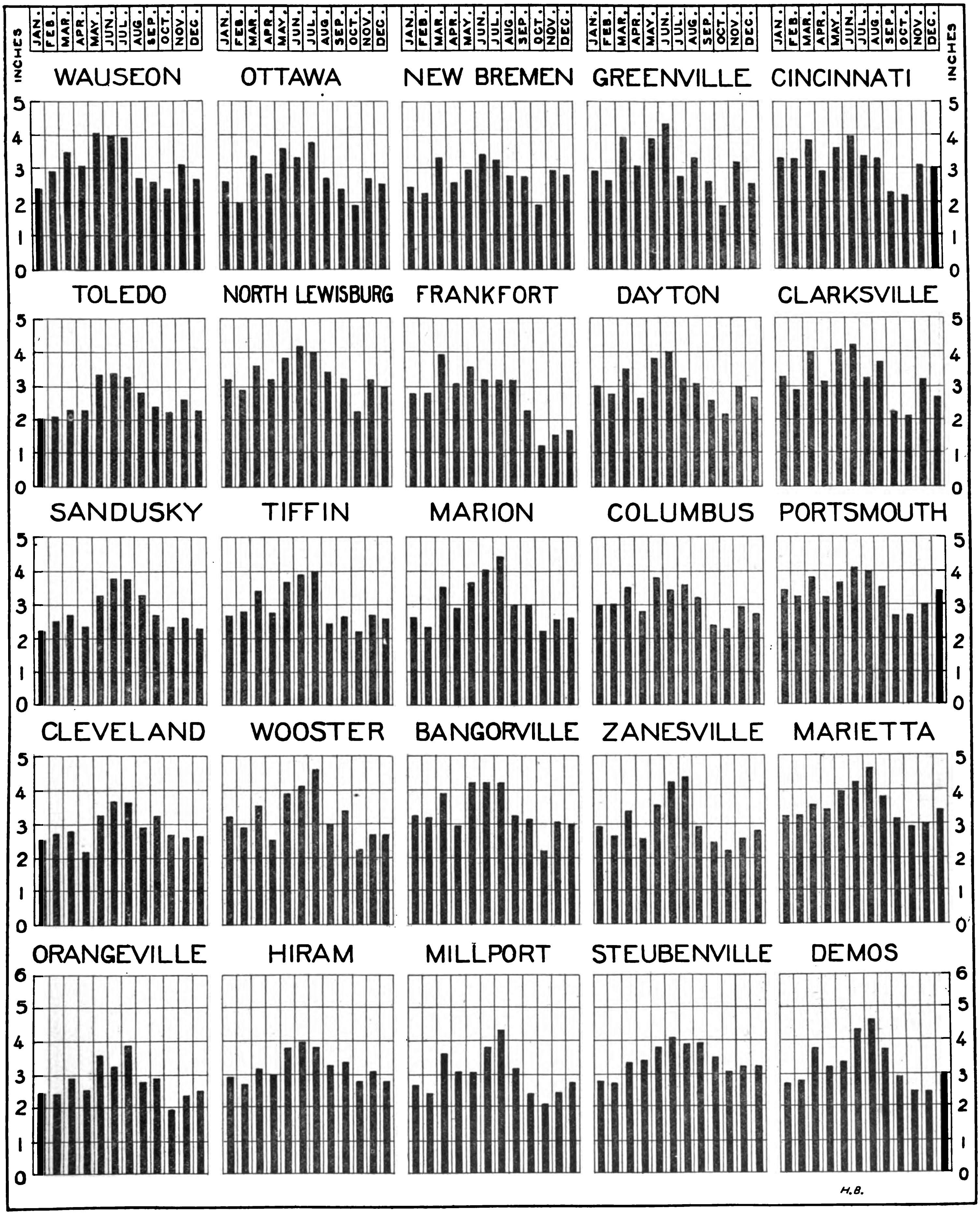


FIG. 1—Diagram showing the comparative monthly distribution of precipitation in Ohio.

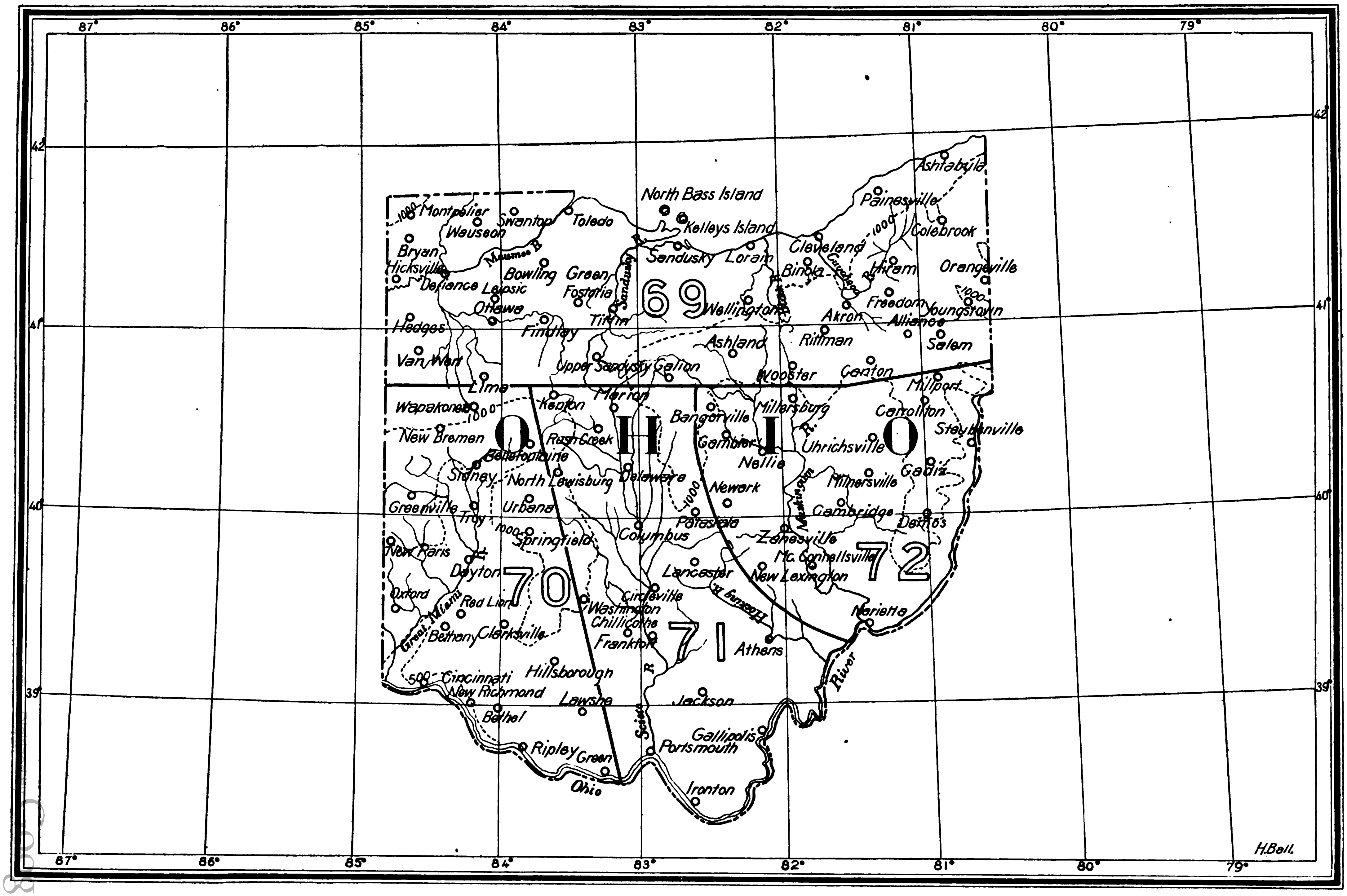


FIG. 2—Chart showing the boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 72—SOUTHEASTERN OHIO

The territory embraced in this section includes the southern three-fourths of the Muskingum watershed and the district lying between the eastern boundary of the Muskingum drainage area and the Ohio River. The total area is approximately 7,650 square miles, or about nineteen per cent of the area of the State. The Muskingum River drains about 5,700 square miles, and the remainder of the area is drained directly into the Ohio River. The population at the present time is probably in the neighborhood of 650,000, or about 85 persons to the square mile. It is estimated that the proportion of rural to urban population is about five to three.

The topography varies from the rolling, glaciated country in the northwestern portion to the very hilly regions along the Ohio River. The terminal moraine enters the district about the middle of the northern boundary line, passes westerly, and then makes a sharp turn to the south in the northeastern portion of Knox County. It then runs near Newark and on out of the section. More than ninety per cent of the area of the section is unglaciated, the country very hilly and rough, and the streams running in deep valleys cut in the bed rock. The mean elevation of the section above sea level is probably between 1,000 and 1,100 feet, ranging from about 600 feet along the lower portions of the Ohio and Muskingum valleys to nearly 1,400 feet at Bangorville, in the northwestern corner.

The Muskingum River is formed by the junction of the Walhonding and Tuscarawas at Coshocton, and is 99 miles in length. It is 211 miles from the mouth of the Muskingum to the head waters of the Tuscarawas. Other large tributaries are the Licking and Wills rivers; the Killbuck enters the Walhonding just above its junction with the Tuscarawas.

The river is navigable as far as Zanesville, a distance of 70 miles, by means of ten dams with locks from one pool to another. The rate of fall per mile from the Ohio River to Zanesville is only 1.5 feet, and it is only 2.6 feet from Zanesville to Coshocton.

The water is comparatively sluggish in the Tuscarawas and the lower part of the other streams also, but the flow is much more rapid in the upper part of all the branches. The rate of fall on the Wills River is 4.5 feet per mile, on the Walhonding, 6.9 feet, and on the Licking, 9.5 feet.

At one time there were many water powers on the small streams and the upper parts of the larger rivers in the Muskingum basin. In many places the back water of one dam reached to the tail race of the one above. In later years the silting up of the ponds, the decline of water transportation, etc., have operated to reduce the number of powers kept in use.

In more recent years, however, with the promotion of the transmission of power by electricity, there has been an increase again in the water power development. It is believed that the possibilities of further development in this direction are very large.

Floods are frequent in the smaller streams in this watershed because of the hilly character of the country, and the water rises rapidly in the main river but reaches the flood stage only about once a year on an average at Zanesville. It has reached the flood stage but once in the past five years at Beverly. In this case unusually heavy rain fell in the immediate vicinity of Beverly, while the river was already high from earlier rains farther up the river.

The highest water ever reported at Zanesville was 36.8 feet, or 11.8 feet above the flood stage. At Beverly the highest was 10.0 feet above the flood stage.

The soil is generally best in the glaciated portion, most of the soil in the unglaciated portion being formed by the disintegration of the native rock. There are, however, long strips of alluvial deposits in the stream valleys that yield very large crops of corn.

The climatic data extend back for about twenty years on the average in the temperature records (thirteen stations). Precipitation records are more numerous. Five stations have a record of more than twenty years, the longest one being that at Marietta, sixty-five years in length.

The annual amounts of precipitation are very nearly the same over the entire district, so far as can be judged from the records which vary so much in length. The shorter records would indicate that the annual precipitation is about thirty-eight inches, but the longer records prove that the annual average is probably nearer forty inches than thirty-eight. The largest monthly amounts usually occur in June and July and the smallest in October, the range being from a little over four inches per month to a little less than three. The number of rainy days, that is days with 0.01 inch or more of precipitation, is fairly constant from December to July, inclusive, being about ten days per month. From August to November, inclusive, the number is from seven to eight days per month.

There is a difference of about three degrees in the annual mean temperatures of the northern and southern extremities, ranging from 50 degrees in the north to 53 degrees in the south. February is the coldest month, with an average of about 27 degrees for the district, and July is the warmest, with a mean of about 73 degrees. The differences between the July normals at the various stations are small, but those of February are much more marked, the normal at Marietta, in the southern portion, being 34 degrees, while that at Milfordton, in the northwestern portion, is 24 degrees. The average date of the first killing frost of autumn is about October 4th, ranging from September 28th at Cambridge and Milligan to October 20th at Marietta. The average date of the last killing frost in spring is about May 3d, and ranges from April 18th at Marietta to May 9th at Milligan.

The prevailing direction of the wind is generally southwest. The only humidity records obtainable were those at the regular Weather Bureau stations at Pittsburg, Parkersburg, and Columbus, all of which places are outside of, but not far removed from, the district under discussion.

The accompanying chart shows the boundaries of the district, the location of the principal reporting stations, and the river systems.

MONTROSE W. HAYES,
Section Director.

Precipitation in Southeastern Ohio. Monthly, annual and average amounts (in inches and hundredths).

[Figures in bold-face type estimated from surrounding stations.]

Annapolis, Jefferson County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	....	....	....	....	....	....	....	1.62	1.32	0.66	1.13	1.50	....
1893	1.98	6.60	1.97	5.94	3.44	3.91	2.32	4.14	0.54	5.50	1.43	2.96	40.73
1894	1.84	2.84	1.76	2.79	4.51	1.79	1.71	0.33	2.16	2.26	2.07	3.62	27.68
1895	2.70	0.45	0.85	1.03	1.65	0.98	3.14	4.01	0.49	0.67	2.38	**5.05**	23.40
1896	0.20	1.54	4.16	2.55	3.10	**5.81**	8.78	2.07	4.67	1.49	3.16	1.83	39.36
1897	**2.36**	3.46	3.98	4.28	2.25	3.15	4.11	2.09	**1.04**	**0.24**	5.42	2.51	34.89
1898	3.26	1.46	5.45	2.32	4.16	2.55	1.80	3.71	3.00	2.87	3.08	1.02	34.68
1899	1.44	....	2.74	2.41	....		....	....	3.16	....	....	3.87	....
1900	2.26	3.73	3.65	1.72	1.63	2.94	3.40	**4.48**	1.89	1.03	3.72	0.54	31.04
1901	1.65	0.49	3.40	3.10	3.88	3.46	1.05	3.85	4.25	0.07	0.91	3.45	34.56
1902	0.41	1.08	3.43	2.18	2.69	6.20	5.84	2.21	....	....	....	....	....
1903	2.53	....	....	....	....	....	....	....	....	....	....	....	....
Mns	1.88	2.41	3.14	3.33	3.03	3.42	3.57	2.85	2.25	1.65	2.59	2.64	32.76

Bangorville, Richland County

Elevation, 1,380 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1887	2.04	6.70	2.87	3.12	3.99	4.52	2.13	2.44	1.51	0.63	2.82	2.04	34.81
1888	4.05	1.70	3.98	1.78	4.48	4.51	3.73	5.79	1.48	3.47	5.33	1.59	41.89
1889	4.34	1.43	1.06	1.69	4.64	4.54	3.82	2.37	3.52	1.18	3.59	3.22	35.40
1890	5.74	6.05	5.11	2.93	7.00	5.12	2.01	3.52	5.29	4.20	3.52	1.92	52.41
1891	2.53	6.14	4.15	2.53	2.17	3.42	3.92	2.86	0.81	2.39	6.79	3.07	40.78
1892	1.75	3.49	2.91	2.39	7.10	6.19	4.45	2.96	1.59	0.46	2.36	2.26	37.91
1893	3.59	5.89	2.30	7.66	4.85	3.11	2.00	1.01	2.11	4.37	2.47	2.77	42.13
1894	2.69	2.81	3.54	1.84	4.30	3.76	1.64	1.59	1.79	2.68	2.29	3.00	31.93
1895	3.74	1.13	1.53	1.77	2.14	4.15	2.04	4.06	2.71	1.21	2.78	4.80	32.06
1896	1.71	2.47	4.10	4.03	3.19	3.76	9.44	3.91	5.97	0.99	2.34	3.01	44.92
1897	2.53	2.56	4.32	3.23	4.08	3.76	4.87	2.28	0.65	0.77	7.33	2.92	39.30
1898	5.08	3.09	7.90	3.01	4.94	3.50	3.46	5.02	3.97	3.62	4.62	2.95	51.16
1899	3.69	1.64	4.38	1.01	4.38	6.33	5.45	2.43	3.24	2.59	1.98	2.98	40.10
1900	2.53	4.19	2.79	2.16	1.73	2.45	3.84	5.02	2.25	1.74	3.43	1.51	33.64
1901	2.24	1.32	3.57	1.36	5.34	3.83	3.68	3.21	4.25	0.60	1.30	3.11	33.81
1902	0.86	1.80	3.29	2.03	2.07	5.51	8.41	1.46	5.06	2.40	2.35	4.02	39.26
1903	2.75	4.35	4.50	4.57	3.18	3.85	2.92	2.94	3.17	2.92	2.75	2.76	40.66
1904	5.65	3.27	6.56	4.73	3.07	5.22	5.03	2.94	3.16	1.65	0.24	3.98	45.50
1905	1.80	1.30	2.55	3.22	6.56	2.83	5.88	6.25	7.53	2.98	2.44	2.02	45.36
1906	1.77	1.62	3.79	1.98	3.51	4.77	5.32	1.96	2.57	4.16	2.91	4.16	38.52
1907	7.74	1.52	5.06	3.48	4.43	4.07	4.83	2.55	4.33	2.68	2.65	3.92	47.26
1908	2.85	4.60	6.30	3.57	5.99	3.11	4.45	3.08	0.45	1.62	1.03	3.18	39.73
Mns	3.24	3.14	3.93	2.91	4.23	4.20	4.24	3.17	3.06	2.24	3.06	2.96	40.88

Bladensburg, Knox County

Elevation, 1,100 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1869	....	....	....	....	....	3.09	9.37	....	....	2.49	....	....	....
1870	....	3.00	4.87	0.56	1.15	2.93	4.12	....	2.74	2.70	1.48	2.25	....
1871	4.03	2.80	2.53	2.09	2.10	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1883	....	....	....	....	5.20	2.57	5.26	1.30	3.30	4.15	3.70	....	....
1884	....	....	4.03	1.12	3.54	....	4.65	....	....	2.47	2.01	3.30	....
1885	5.18	1.52	0.64	....	4.68	....		....	....	3.04	....	....	
1886	....		....	1.62	2.68	....	....	....	....	....	....	....	
1887	....	....	....	....	2.18	3.05	....	2.62	....	....	....		
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1893	....	....	....	....	3.02	1.86	3.46	0.79	1.46	3.29	2.78	4.08	....
1894	2.25	3.41	2.39	1.97	3.00	1.28	0.96	0.48	3.56	1.42	2.43	3.09	26.51
1895	4.45	0.48	2.23	....	0.98	2.13	3.74	3.44	1.85	1.13	4.34	4.32	....
1896	1.99	2.19	3.57	2.76	2.85	5.53	8.56	1.76	5.20	0.69	....	2.47	....
1897	1.57	....	5.03	....	1.83	2.25	....	....	....	....			
1898	5.11	....	....	....	5.52	2.68	4.91	....	....	....	....	....	....
1899	....	1.79	2.38	0.92	4.15	2.36	4.63	2.08	....	0.52	1.32	3.07	....
1900	2.65	4.65	4.05	2.00	1.22	1.48	3.37	3.10	2.33	1.10	3.29	0.80	30.04
1901	2.16	0.59	1.96	3.64	2.67	6.20	....	....	....	....	1.41	3.30	....
1902	1.02	0.66	3.84	1.20	....	....	4.77	3.28	2.58	1.44	....	....	....
1903	3.68	4.89	3.70	4.56	2.70	....	2.08	0.95	1.16	1.61	2.10	2.30	....
1904	3.39	2.85	5.87	6.24	3.67	....	3.99	....	....	....	....	....	
1905	....	....	....	2.30	5.70	2.21	5.04	4.65	4.28	4.32	2.09	1.84	
1906	2.74	0.78	4.49	2.74	1.81	4.39	3.56	8.08	3.54	3.38	2.26	3.45	41.17
1907	4.49	1.23	6.54	2.57	4.00	2.06	8.71	1.54	3.69	1.62	1.60	2.75	40.80
1908	2.34	4.22	6.75	3.22	5.40	1.99	5.04	1.50	0.51	1.54	1.22	2.38	36.11
Mns	3.15	2.34	3.82	2.47	3.18	2.83	4.70	2.53	2.78	2.17	2.29	2.81	35.07

Note.—The record from June, 1869, to May, 1871, inclusive, and from May, 1883, to August, 1887, inclusive, is that of Gambier, about seven miles to the northwest.

Cadiz, Harrison County

Elevation, 1,245 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1903	....	....	....	....	....	....	....	....	1.21	2.29	4.11	2.85	....
1904	3.44	2.70	5.03	4.05	3.79	5.65	7.25	2.26	1.70	3.10	0.39	3.27	42.63
1905	2.22	1.95	3.50	2.59	3.50	6.74	5.30	3.04	4.23	3.60	3.02	3.29	42.98
1906	2.18	1.14	4.76	2.08	1.84	4.96	5.10	4.62	3.32	2.95	1.66	3.89	38.50
1907	5.43	1.20	6.68	3.12	4.16	3.71	8.83	1.66	4.32	3.45	1.66	2.94	47.16
1908	2.19	3.45	7.06	5.13	5.75	2.14	6.69	3.71	0.43	2.13	0.83	3.04	42.55
Mns	3.09	2.09	5.41	3.39	3.81	4.64	6.63	3.06	2.54	2.92	1.94	3.21	42.73

Cambridge, Guernsey County

Elevation, 803 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	....	....	....	....	....	....	....	3.12	1.68	0.65	0.83	....	....
1893	2.32	5.92	1.42	5.80	5.53	3.28	2.86	2.08	1.43	6.58	1.54	3.32	42.08
1894	2.20	3.33	2.49	2.41	3.50	2.28	2.07	1.86	1.65	1.48	2.06	4.54	29.86
1895	4.62	0.51	1.45	2.18	1.70	1.26	2.84	3.29	2.09	1.41	4.05	4.08	29.48
1896	1.43	2.39	4.17	2.87	2.82	6.68	12.72	3.48	5.18	1.09	3.52	1.81	48.16
1897	1.96	4.75	4.64	3.49	3.00	3.56	6.12	1.92	6.47	0.34	7.14	3.00	40.39
1898	5.59	2.77	4.83	2.99	4.64	2.91	4.75	5.17	1.72	3.98	2.18	2.73	44.26
1899	2.17	2.05	4.59	1.36	4.55	4.76	4.66	1.05	2.60	2.21	1.44	3.17	34.61
1900	2.11	2.87	2.85	1.98	2.26	2.12	2.04	3.08	1.43	1.64	4.03	1.37	27.78
1901	2.17	0.61	3.10	5.62	4.51	4.32	3.62	4.12	2.79	T.	1.09	3.95	35.90
1902	1.69	1.15	2.69	1.91	2.17	8.35	7.87	2.02	4.13	2.75	2.25	4.87	41.85
1903	2.69	5.45	5.33	5.34	2.70	4.26	3.05	2.02	0.33	2.95	2.49	2.15	38.76
1904	2.86	1.67	4.70	2.83	3.56	3.23	7.28	2.02	1.41	2.83	0.46	4.09	36.94
1905	1.66	0.78	3.49	2.14	4.97	6.20	8.04	4.35	4.13	3.14	2.69	2.98	39.57
1906	2.50	0.89	4.83	3.08	1.71	3.51	3.76	5.42	4.54	2.62	1.35	3.26	36.97
1907	5.50	0.76	6.90	4.00	3.95	4.27	6.53	2.82	2.81	2.54	1.65	2.41	44.14
1908	1.73	3.21	6.40	3.63	4.69	1.42	4.95	2.24	0.45	1.53	0.93	3.07	34.55
Mns	2.70	2.44	3.96	3.25	3.52	3.90	4.88	2.94	2.28	2.22	2.33	3.18	37.60

Canal Dover, Tuscarawas County

Elevation, 884 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1893	....	....	....	....	....	....	3.30	2.75	1.56	3.97	1.71	2.23	....
1894	2.29	3.65	2.20	3.07	3.36	2.13	1.28	0.50	3.75	1.92	3.85	2.45	30.45
1895	5.19	0.79	1.63	1.78	1.62	3.45	3.88	**3.64**	**1.96**	1.91	3.46	5.42	34.73
1896	1.99	2.74	3.55	3.28	3.25	6.04	10.07	2.85	4.17	1.11	2.21	3.28	44.54
1897	2.14	4.25	4.52	4.05	3.81	1.61	6.91	2.69	0.69	0.26	7.88	2.64	41.45
1898	4.65	3.22	8.43	2.40	5.62	3.39	4.57	3.79	1.57	4.24	3.00	3.18	48.06
1899	3.28	2.18	4.53	2.17	6.84	2.89	3.53	1.28	3.61	1.65	1.90	3.59	37.45
1900	2.34	3.12	3.59	2.72	0.84	5.31	7.17	2.99	2.86	1.35	3.82	1.65	37.76
1901	2.17	1.58	3.01	4.38	3.12	3.83	2.03	3.71	4.11	0.30	1.42	3.74	33.40
1902	1.33	1.18	2.74	2.37	2.03	4.85	6.48	2.02	3.60	1.58	2.09	4.09	34.41
1903	2.56	4.99	4.44	3.20	2.99	4.21	2.49	3.02	0.34	2.91	2.20	2.74	36.09
1904	4.75	3.31	6.89	4.63	3.90	3.45	5.31	3.31	2.65	1.81	0.58	2.82	43.41
1905	2.03	2.64	3.22	2.50	5.80	7.81	4.83	6.96	5.25	3.72	2.04	2.72	48.92
1906	2.17	1.26	4.95	2.92	3.04	3.38	4.17	3.64	2.72	3.27	2.41	3.05	36.98
1907	5.83	1.20	6.14	3.83	3.40	3.31	4.08	2.25	3.07	1.57	1.44	3.03	39.15
1908	1.76	3.18	5.57	3.03	3.45	2.23	4.65	1.99	0.32	1.30	1.45	2.75	31.68
Mns	2.97	2.61	4.37	3.09	3.54	3.83	4.67	2.96	2.64	2.05	2.59	3.09	38.41

Carrollton, Carroll County

Elevation, 1,142 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1889	**3.00**	**1.00**	1.28	1.42	2.09	4.90	3.30	2.30	3.10	2.10	4.90	3.90	32.29
1890	4.95	6.30	5.95	5.70	8.70	5.10	3.30	3.70	....	....	....	....	....
1891	....	....	....	....	....	....	....	....	....	....	....	....	....
1892	2.02	3.24	2.98	1.96	4.85	5.15	7.96	3.40	2.07	0.81	1.21	2.24	37.89
1893	2.45	6.99	1.94	5.51	4.79	2.87	2.72	2.12	1.30	4.99	1.57	3.13	40.38
1894	3.00	3.61	2.29	2.27	5.15	1.54	1.48	0.90	3.76	2.13	3.18	2.49	31.80
1895	4.30	1.32	1.86	1.23	1.71	1.12	3.06	2.79	1.54	1.04	3.25	4.51	27.73
1896	0.86	2.79	3.25	4.13	3.58	6.39	9.95	3.45	4.35	1.10	2.64	2.42	44.91
1897	2.66	3.73	3.67	3.38	3.18	3.78	5.36	2.63	0.66	0.49	6.50	2.73	38.77
1898	5.09	2.43	6.88	2.13	4.43	3.91	4.44	6.89	2.22	3.98	2.93	3.85	49.18
1899	2.33	2.54	4.17	2.69	5.92	3.92	4.15	1.06	....	....	....	....	....
Mns	3.07	3.40	3.43	3.04	4.44	3.87	4.57	2.92	2.38	2.08	3.27	3.16	39.63

Clarington, Monroe County

Elevation, 600 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1903	**2.20**	5.60	5.00	4.70	2.65	4.50	4.80	1.40	0.36	2.79	1.66	3.00	38.66
1904	3.01	2.69	5.41	3.39	3.75	3.92	3.96	1.78	1.84	1.88	0.17	2.78	34.58
1905	2.25	1.95	4.66	2.57	3.97	6.20	3.81	3.18	2.65	4.63	3.49	3.76	43.12
1906	2.93	1.47	4.72	6.20	2.75	4.30	5.61	5.59	2.31	3.37	1.77	5.15	46.17
1907	6.55	2.01	8.76	3.36	4.40	4.35	9.68	3.44	5.95	3.40	2.78	3.60	58.28
1908	2.25	4.45	6.61	5.05	6.56	2.88	4.72	2.85	2.25	2.41	0.89	2.84	43.76
Mns	3.20	3.03	5.86	4.21	4.01	4.36	5.43	3.04	2.56	3.08	1.79	3.52	44.09

Coshocton, Coshocton County

Elevation, 770 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	....	....	....	....	....	....	....	....	1.39	....	....	1.08	....
1893	1.24	5.51	2.26	7.49	3.66	3.53	3.74	3.09	....	....	....	....	....
1894	....	....	....	....	....	....	....	....	....	....	....	....	....
1895	....	....	1.97	1.39	1.67	1.76	3.29	4.95	2.43	1.55	3.31	4.11	....
1896	1.78	2.16	2.87	3.06	1.30	6.35	10.94	3.25	5.78	0.94	3.46	2.28	**44.17**
1897	1.90	3.40	4.55	3.33	....	....	7.40	3.15	....	....	7.79	2.07	....
1898	4.79	....	7.05	....	....	2.71	6.88	3.73	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1902	....	....	....	....	1.40	5.94	3.76	2.78	2.58	1.51	2.24	4.52	....
1903	2.82	4.39	3.61	5.26	....	....	....	....	....	....	....	....	
....	....	....	....	....	....	....	....	....	....	....	....	....	....
1908	....	....	....	....	....	....	....	....	....	2.10	2.87	3.31	....
Mns	2.51	3.86	3.72	4.11	2.01	4.06	6.00	3.49	3.04	1.52	3.93	2.90	**41.15**

Note.—The record from December, 1892, to August, 1898, inclusive, is that of Tyrone, and from March, 1895, to August, 1898, inclusive, is that of New Moscow, about seven miles to the southwest of Coshocton.

Demos, Belmont County

Elevation, 1,325 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1888	.....	.....	.....	.....	.....	.....	.....	7.10	4.20	4.17	2.95	0.34	.....
1889	3.04	1.82	1.17	2.51	2.81	5.04	4.05	1.21	3.52	2.05	5.42	3.03	35.67
1890	5.93	6.48	7.42	4.28	6.24	5.62	1.91	6.40	8.83	7.25	2.53	3.91	66.80
1891	2.93	7.61	4.27	2.14	3.08	5.15	7.53	2.11	1.29	0.54	2.24	2.83	41.72
1892	1.47	2.42	2.15	1.49	5.40	4.43	2.25	0.96	1.73	0.54	1.99	1.11	25.94
1893	2.67	6.39	1.19	5.88	2.49	4.69	1.86	3.76	0.96	4.84	1.94	1.94	38.61
1894	2.22	2.87	2.28	3.96	4.41	0.62	0.42	1.59	2.08	1.66	1.43	4.31	27.85
1895	4.55	1.34	1.24	1.97	1.81	1.28	2.07	4.87	1.09	1.73	1.31	4.77	28.03
1896	2.00	1.99	2.85	2.78	2.12	6.92	16.13	4.34	3.92	1.84	2.70	1.64	49.23
1897	0.75	4.01	4.01	2.74	3.64	2.71	3.40	1.74	0.28	0.10	6.32	3.10	32.80
1898	3.79	1.29	5.40	2.37	3.13	3.56	7.77	3.81	2.33	3.67	2.01	1.55	40.68
1899	2.08	1.53	4.69	1.07	4.84	4.59	3.70	1.79	3.36	1.52	2.27	2.78	34.22
1900	3.08	3.64	1.85	1.95	2.39	3.74	1.79	3.78	1.88	1.43	3.48	1.68	30.69
1901	1.65	0.95	3.03	7.84	2.92	5.07	3.61	3.74	2.37	T.	1.86	3.37	36.41
1902	1.70	1.15	3.86	3.97	1.48	6.34	5.86	5.86	3.66	1.80	3.08	5.19	43.95
1903	2.20	4.80	5.84	4.03	3.05	.....	.....	.....	.....	.....	2.17	2.06	.....
1904	1.90	1.25	4.07	3.31	3.94	4.53	3.66	2.75	1.94	2.32	0.15	2.84	32.66
1905	1.92	1.78	3.57	2.91	4.17	3.80	2.47	5.76	3.75	4.84	3.04	3.56	41.57
1906	2.75	1.39	3.18	3.48	1.77	7.47	4.93	7.37	3.66	2.86	1.34	4.04	44.24
1907	5.92	1.74	7.28	2.50	4.00	4.68	9.06	2.76	4.95	3.16	1.85	2.67	50.57
1908	2.33	2.56	7.96	4.12	5.22	1.79	4.78	2.71	1.37	2.36	1.05	3.31	39.56
Mns	2.74	2.85	3.75	3.26	3.45	4.32	4.59	3.72	2.86	2.43	2.43	2.86	39.26

Granville, Licking County

Elevation, 960 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1854	2.85	3.25	3.90	3.86	5.58	4.04	2.35	1.50	0.82	8.28	3.41	1.85	41.69
1855	2.77	1.90	5.50	2.55	3.22	7.84	7.67	3.15	6.64	1.70	6.90	5.04	54.88
1856	1.39	1.50	0.71	1.65	3.25	5.40	2.23	3.12	0.45	0.50	2.49	2.94	25.63
1857	1.28	2.07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861	.....	.....	.....	.....	.....	.....	2.15	4.92	2.71	2.81	3.49	.....	.....
1862	.....	.....	3.21	3.11	2.87	2.96	4.07	0.82	0.99	0.81	2.68	3.14	.....
1863	.....	3.40	2.57	1.94	1.50	1.63	2.28	2.58	.....	.....	.....	.....	.....
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1882	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.33	2.02	.....
1883	3.45	5.34	2.78	2.33	4.47	1.87	3.33	0.70	2.63	4.53	3.36	3.76	38.55
1884	1.23	5.72	3.00	1.95	5.77	3.06	2.57	0.75	3.34	1.23	1.45	3.90	33.97
1885	4.15	2.80	0.45	2.95	3.11	4.06	3.90	.....	2.58	3.48	2.90	2.10	.....
1886	5.72	0.73	2.65	.....	3.76	.....	.....	3.81	5.31	.....	.....	.....	.....
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889	3.79	1.25	1.07	1.43	2.90	3.30	3.76	0.73	3.91	2.23	4.50	2.20	31.07
1890	4.62	6.36	.....	.....	3.36	.....	2.03	4.48	7.33	2.84	.....	.....	.....
1891	3.05	6.16	3.59	2.14	2.57	4.31	6.89	1.92	0.70	2.30	6.60	2.58	42.81
1892	1.92	3.62	2.21	2.48	5.57	.....	.....	.....	.....	0.38	2.56	1.65	.....
1893	3.08	7.00	2.87	7.01	4.31	5.41	2.70	2.86	0.96	3.75	2.26	3.37	45.58
1894	2.62	3.30	2.29	2.30	3.36	4.27	2.38	1.66	4.67	1.97	2.85	3.96	35.63
1895	4.73	0.49	2.28	2.00	2.26	1.99	2.15	3.43	2.04	1.25	5.44	5.29	33.35
1896	2.88	2.41	3.25	2.75	2.73	5.54	5.89	3.49	6.64	0.96	4.13	2.73	43.40
1897	1.96	3.94	6.56	3.39	4.34	3.52	5.37	4.05	0.69	0.58	7.98	2.97	45.35
1898	5.99	2.62	8.09	4.13	6.39	3.09	1.83	4.73	1.51	3.46	3.00	3.58	48.42
1899	2.41	1.84	5.40	2.44	3.15	4.72	5.47	1.95	2.62	1.94	1.99	3.19	37.12
1900	2.85	3.79	2.89	3.08	1.56	2.42	4.55	3.80	3.12	2.15	3.79	1.34	35.34
1901	2.51	0.74	2.18	2.97	4.01	4.04	3.21	5.28	3.41	0.38	1.18	3.49	33.35
1902	1.09	0.71	3.22	2.20	1.43	7.67	3.38	1.55	2.97	3.06	3.33	4.01	34.62
1903	2.66	5.27	4.15	3.94	3.56	2.71	2.07	1.50	0.99	2.44	2.47	3.04	34.80
1904	3.85	2.46	5.79	3.90	2.94	3.78	8.02	1.96	0.91	2.49	0.18	4.62	40.90
1905	1.50	1.65	2.26	2.66	4.32	3.58	1.94	3.42	3.58	5.40	2.88	2.58	35.77
1906	2.42	1.23	5.24	1.62	2.70	6.00	6.33	5.22	2.62	3.07	2.49	3.73	42.67
1907	5.74	0.70	7.49	2.77	4.34	3.06	5.34	2.52	6.48	2.19	1.90	3.09	45.62
1908	1.98	4.72	7.11	3.27	4.97	2.89	4.05	2.83	0.31	1.42	1.21	2.62	37.38
Mns	3.02	3.00	3.67	2.85	3.60	3.97	3.85	2.81	2.89	2.41	3.17	3.14	38.88

Note.—The record from July, 1861, to August, 1863, inclusive, is that of Newark, seven miles distant.

Gratiot, Licking County

Elevation, 1,000 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1889	.....	.....	.....	.....	.....	.....	.....	1.22	4.58	1.41	4.92	1.90	.....
1890	5.12	5.51	5.61	3.18	5.65	7.97	2.81	5.80	7.28	3.82	2.27	2.76	57.78
1891	2.88	6.03	4.53	1.84	3.27	3.55	5.97	4.05	0.82	1.32	4.36	2.08	40.70
1892	2.88	2.77	2.45	2.46	5.59	5.96	4.49	3.11	2.13	0.56	1.55	2.02	35.97
1893	2.05	6.38	2.07	6.04	4.15	2.95	5.96	1.13	1.36	4.97	2.03	3.14	42.23
1894	2.27	3.81	1.80	1.81	3.21	2.25	2.10	0.86	2.59	1.67	2.23	4.59	28.69
1895	4.07	0.81	1.46	2.32	1.32	2.70	3.34	4.02	1.87	1.33	3.83	4.40	31.47
1896	1.87	2.43	3.34	2.80	2.01	4.69	11.69	3.29	6.54	1.01	3.48	1.18	44.33
1897	1.25	3.94	5.29	2.94	2.89	2.66	5.09	1.84	0.75	0.66	6.90	2.51	36.72
1898	5.15	3.66	6.16	3.71	4.12	3.43	2.70	6.66	1.65	3.65	2.55	2.78	46.22
1899	2.53	2.21	5.48	1.67	3.53	4.12	3.64	1.16	2.59	1.74	1.41	3.08	33.16
1900	2.79	3.43	3.41	2.21	2.46	3.66	3.94	3.92	1.53	1.41	4.33	0.83	33.92
1901	1.75	0.74	2.62	5.77	3.86	6.54	2.42	5.59	2.36	0.31	1.45	4.18	37.59
1902	1.62	0.93	2.69	1.96	1.97	8.68	3.62	1.54	3.27	2.65	3.07	4.76	36.76
1903	2.71	6.21	3.67	3.66	2.93	3.22	2.07	0.88	1.40	2.22	2.69	2.60	34.26
1904	2.65	2.38	5.07	3.38	3.74	3.38	9.57	2.50	1.65	1.53	0.31	4.74	40.90
1905	1.91	1.62	2.89	2.17	4.25	4.28	3.39	4.69	5.23	3.56	2.69	2.87	39.55
1906	3.01	0.95	4.06	1.73	3.49	3.31	4.24	6.58	2.57	8.36	1.71	3.46	38.47
1907	5.37	0.88	6.02	8.00	5.18	3.63	8.96	2.30	4.61	2.59	1.73	3.75	47.97
1908	1.96	4.41	6.56	2.53	4.09	2.92	4.48	2.48	0.48	1.06	1.20	2.94	35.11
Mns	2.83	3.08	3.96	2.90	3.56	4.21	4.76	3.18	2.76	2.04	2.74	3.03	39.05

Marietta, Washinton County

Elevation, 627 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1817	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.45	1.00	.....
1818	2.50	3.00	3.70	2.30	5.90	2.45	8.87	5.30	7.10	3.70	2.10	4.00	50.92
1819	3.20	3.30	5.57	1.48	4.54	2.20	3.26	6.31	1.10	2.25	0.70	2.39	36.30
1820	1.46	5.79	2.95	3.93	3.50	3.80	4.73	1.53	0.20	4.73	2.66	3.83	39.11
1821	1.35	4.94	3.70	4.24	3.01	3.68	4.52	6.50	6.05	1.41	2.60	1.82	43.32
1822	1.31	1.65	2.18	5.11	2.35	4.09	4.80	2.15	4.45	4.31	8.59	2.39	43.38
1823	4.42	1.28	6.21	2.86	5.08	8.07	6.91	3.20	2.03	.....	.....	.....	.....
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1826	2.40	3.65	6.50	4.60	2.00	6.00	5.70	1.55	1.35	3.00	2.15	2.70	41.60
1827	1.65	6.38	2.83	3.33	3.00	3.09	4.00	3.25	1.05	3.33	1.06	8.50	41.46
1828	4.04	6.75	2.13	6.50	6.58	4.92	5.08	3.00	3.42	2.50	3.42	1.16	49.50
1829	2.75	2.33	2.04	4.00	1.08	4.00	2.12	5.54	4.00	3.16	4.00	4.50	39.52
1830	1.58	1.63	5.00	1.00	3.80	5.84	3.50	0.75	4.25	1.91	3.67	4.33	37.26
1831	4.04	2.50	2.92	2.85	4.25	7.00	12.12	7.58	3.58	3.70	1.25	1.75	53.54
1832	4.50	10.25	1.33	2.00	3.16	2.85	3.08	7.92	2.08	2.75	3.75	4.66	48.33
1833	3.18	3.42	1.92	0.83	5.75	4.80	6.84	0.25	3.30	3.17	3.88	3.08	40.37
1834	5.37	2.42	1.58	1.83	1.75	5.50	5.08	1.33	0.67	3.75	3.25	2.13	34.66
1835	2.42	1.50	2.00	3.87	3.13	5.50	2.58	6.54	2.75	4.80	5.50	1.87	42.46
1836	2.55	1.80	2.80	3.87	6.63	2.04	3.92	3.16	3.16	2.08	2.50	2.25	36.76
1837	0.42	1.80	3.00	1.17	4.08	7.84	5.13	4.84	4.23	4.25	3.30	3.80	43.86
1838	2.12	1.79	2.25	4.45	5.71	6.92	0.96	3.50	1.33	1.95	3.42	1.08	35.48
1839	2.30	2.00	2.25	1.44	4.46	4.33	6.04	2.04	3.25	0.25	2.50	2.46	33.32
1840	2.33	3.08	3.21	4.25	5.21	4.25	2.17	5.25	2.00	3.92	1.92	1.50	39.09
1841	3.87	1.31	3.42	5.80	3.37	4.30	3.50	3.17	3.37	1.83	3.50	5.88	42.82
1842	2.42	3.12	2.66	3.04	4.21	7.30	2.37	6.08	3.21	1.58	3.04	3.04	42.07
1843	1.84	2.17	3.70	4.75	2.96	4.21	1.33	1.91	9.25	4.43	2.63	2.58	41.76
1844	2.42	1.08	2.83	0.70	5.75	4.12	7.75	2.17	2.87	3.54	2.54	0.87	36.64
1845	2.58	1.50	2.67	2.50	1.33	6.55	3.22	2.00	4.38	2.80	3.04	1.33	33.90
1846	3.25	2.33	2.37	2.04	1.37	7.04	6.20	6.00	1.68	4.00	3.55	6.44	46.27
1847	3.66	2.88	4.30	2.54	1.75	2.77	6.80	2.80	4.84	6.42	2.70	10.84	52.30
1848	2.04	1.33	3.00	1.38	5.66	3.25	8.05	4.86	1.08	3.09	2.86	6.58	43.18
1849	4.09	2.58	4.37	2.50	5.92	4.42	1.21	3.50	2.63	3.92	2.58	5.17	42.89
1850	5.25	3.41	4.50	3.17	3.25	4.84	4.41	6.91	4.66	2.54	2.42	7.00	52.36
1851	0.50	4.88	1.44	3.04	6.00	2.60	2.40	3.60	2.38	1.68	4.00	2.42	34.94
1852	2.08	3.66	4.30	7.58	4.21	5.70	3.84	3.50	1.08	2.30	4.50	3.75	46.50
1853	2.20	4.92	0.88	5.92	3.21	0.88	4.12	2.83	2.80	4.29	2.83	2.16	37.04
1854	3.25	2.33	4.25	5.42	2.12	3.66	2.04	3.66	2.16	4.62	2.29	3.00	38.80
1855	2.50	1.50	2.67	2.08	5.17	5.68	6.00	3.09	8.00	1.85	3.55	3.66	45.75
1856	2.75	1.66	1.34	2.25	4.16	5.25	2.50	2.75	1.17	2.42	4.00	2.21	32.46
1857	1.55	1.50	1.30	3.08	5.16	4.08	4.87	5.21	1.63	2.58	4.84	4.84	40.64
1858	1.66	3.41	1.00	5.00	12.42	3.09	5.33	7.42	1.37	7.66	4.82	8.66	61.84
1859	3.10	7.20	5.08	6.46	1.56	4.62	1.08	4.46	4.95	2.79	2.08	5.17	48.55
1860	3.25	1.23	1.08	5.30	2.88	2.09	5.87	3.85	3.26	4.03	4.01	2.08	38.93
1861	2.70	2.32	2.28	6.37	5.62	3.96	5.14	3.03	4.31	4.43	4.63	1.62	46.41
1862	7.37	2.82	3.39	7.67	3.78	2.53	3.52	3.64	0.29	2.57	2.05	3.07	42.70
1863	6.64	2.77	4.03	1.93	1.98	2.14	3.22	1.94	2.34	4.69	2.81	2.57	37.06
1864	1.41	2.08	4.04	3.54	4.17	2.02	1.95	7.57	3.13	2.85	3.92	4.26	40.94
1865	3.83	2.96	5.84	3.47	8.09	4.97	5.89	3.30	3.95	1.46	1.35	3.73	48.84
1866	3.94	3.45	3.91	3.87	0.95	4.56	4.52	4.16	7.70	2.95	3.52	3.74	47.27
1867	2.98	5.27	5.86	2.50	6.04	2.74	5.05	4.06	0.60	4.47	1.94	5.20	46.71
1868	2.94	1.37	5.17	4.12	4.63	3.38	6.45	4.78	10.31	1.87	2.48	2.56	50.06
1869	4.62	3.66	3.94	3.40	2.35	4.72	4.96	2.71	5.14	1.28	3.16	2.92	42.86
1870	5.28	2.93	4.86	3.91	1.84	5.13	6.37	2.90	0.93	2.18	1.89	1.96	40.18
1871	2.44	2.71	1.46	2.01	2.71	2.78	5.36	3.32	1.54	1.46	1.43	1.77	28.99
....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1873	2.32	4.58	4.20	2.87	3.43	2.24	8.04	4.32	2.45	5.57	2.92	5.04	47.98
1874	5.45	3.44	2.57	4.59	0.23	2.00	6.08	2.48	2.19	0.47	4.19	5.88	39.57
1875	2.59	2.17	5.34	1.79	2.34	3.39	10.56	4.61	2.18	3.17	4.07	3.84	46.05
1876	4.76	2.99	4.47	1.99	5.64	2.76	7.29	5.08	7.65	1.71	2.10	1.74	48.18
1877	4.24	0.47	4.20	2.32	3.11	2.95	5.30	0.98	2.50	1.55	3.47	3.32	34.41
1878	2.24	2.33	1.80	1.85	2.86	2.64	1.95	3.13	7.52	3.16	4.59	3.46	37.58
1879	2.26	1.99	4.56	0.69	1.44	3.78	4.40	4.67	2.68	0.80	1.29	1.94	30.50
1880	3.69	5.02	4.44	7.03	4.35	3.80	1.77	4.59	2.77	2.67	3.07	3.16	46.36
1881	1.21	2.30	2.98	2.55	1.80	1.35	5.42	0.40	4.02	5.13	2.45	7.17	36.78
1882	8.13	5.70	6.09	4.70	6.90	8.64	4.94	5.76	3.18	2.30	1.41	2.21	59.96
1883	2.80	6.95	2.66	4.77	5.44	3.29	5.32	1.35	2.75	4.06	2.27	5.15	46.81
1884	5.61	5.30	5.32	2.63	3.19	3.85	2.47	0.84	1.56	1.17	1.87	4.73	38.54
1885	6.22	2.39	1.21	2.69	4.15	2.30	2.42	8.99	1.92	4.83	2.70	1.86	41.68
1886	5.18	1.64	5.16	2.32	5.53	3.96	2.78	2.76	3.27	0.85	4.97	2.61	42.14
1887	2.54	7.57	1.38	5.65	3.07	5.81	1.12	2.56	2.30	0.55	2.19	2.48	37.22
1888	4.63	1.30	3.99	3.06	2.97	2.24	10.48	11.55	4.64	5.04	4.07	1.45	55.42
1889	3.28	2.44	1.09	2.79	3.07	4.04	9.50	1.81	3.18	1.77	5.46	2.52	40.95
1890	4.96	4.96	6.62	3.29	5.20	5.31	3.16	5.24	8.87	5.14	2.56	5.68	60.99
1891	3.84	4.97	4.73	2.08	2.29	4.02	5.31	3.21	2.40	1.69	3.36	2.86	40.76
1892	3.27	3.33	2.14	3.02	5.50	4.56	2.81	2.15	3.05	0.69	1.89	2.42	34.83
1893	2.80	6.08	1.39	5.32	4.53	4.08	1.87	3.92	1.19	5.14	2.06	2.11	40.49
1894	2.70	3.62	2.00	3.07	3.25	3.51	0.42	2.19	2.13	1.60	1.89	4.09	30.47
1895	5.43	0.87	3.10	1.17	1.64	2.37	1.47	2.62	2.08	1.33	1.98	2.55	26.61
1896	1.83	2.28	4.46	2.69	2.74	5.81	7.77	5.52	3.02	2.49	2.92	1.70	43.23
1897	1.51	6.36	4.30	3.77	4.20	3.39	7.03	1.89	0.29	0.05	5.39	3.23	41.41
1898	5.74	2.39	6.03	2.30	2.77	5.04	5.20	5.31	3.69	4.24	3.15	2.21	48.07
1899	3.64	3.52	6.04	1.36	4.15	5.82	5.36	2.15	4.76	1.80	2.03	3.10	43.73
1900	2.88	3.71	2.34	1.55	2.35	5.09	7.17	3.70	0.86	1.27	5.46	2.05	38.45
1901	1.09	0.86	2.60	7.13	4.42	6.48	2.92	3.38	1.92	0.06	2.15	4.61	37.62
1902	2.52	2.61	3.60	2.79	4.60	8.26	3.00	3.49	2.95	1.73	3.08	5.48	44.11
1903	3.17	7.17	5.15	4.20	4.48	4.68	3.33	2.25	1.34	2.47	1.83	1.89	41.96
1904	1.86	1.82	4.35	2.48	2.64	3.35	3.16	0.71	1.40	1.28	0.14	2.82	26.01
1905	1.71	1.63	4.24	3.65	5.65	3.98	3.22	4.66	4.26	6.96	3.14	3.28	46.38
1906	2.88	1.84	4.27	3.01	2.86	4.51	3.55	4.18	2.57	3.41	2.22	5.33	40.63
1907	7.87	1.81	6.05	2.69	3.55	6.88	10.37	3.23	3.93	2.04	1.67	3.05	53.14
1908	1.34	3.55	5.90	4.19	4.32	1.21	3.02	2.53	0.61	2.06	1.10	2.70	32.53
Mns	3.21	3.18	3.51	3.38	3.87	4.23	4.63	3.76	3.14	2.87	2.99	3.43	42.20

Hackney, Morgan County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	......	......	......	......	......	......	......	0.76	1.90	0.16	......	2.48	......
1893	3.04	6.19	2.16	6.06	4.85	3.80	1.30	3.80	3.20	5.85	1.46	2.59	44.30
1894	1.82	3.65	2.36	2.79	2.98	2.59	0.37	1.48	2.39	1.94	1.58	3.92	27.87
1895	4.27	1.15	1.42	2.23	1.36	1.23	1.07	3.50	2.39	1.41	1.98	3.66	25.67
1896	1.89	2.97	4.43	2.80	3.14	6.60	10.27	3.45	5.96	1.72	1.77	2.33	47.33
1897	1.53	5.91	4.42	3.55	3.66	5.36	5.14	1.67	0.50	0.17	7.94	2.56	42.41
1898	7.42	1.93	4.87	2.69	3.03	......	3.01	4.03	1.94	2.10	2.56	2.79	......
1899	3.60	2.70	5.01	1.09	3.05	4.49	6.78	1.20	4.45	......	......	......	......
Mns	3.87	3.50	3.52	3.03	3.15	4.01	3.99	2.49	2.84	1.91	2.88	2.90	37.59

Killbuck, Holmes County

Elevation, 1,087 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	......	......	......	......	......	......	......	......	......	0.98	1.27	1.62	......
1893	2.29	5.97	2.39	7.43	4.57	3.50	2.65	2.11	1.86	3.82	2.19	3.09	41.87
1894	2.09	2.87	2.00	2.16	4.78	1.04	0.64	0.70	3.48	1.86	2.14	2.26	26.02
1895	4.13	0.39	1.99	1.37	1.48	2.15	1.90	4.27	3.20	0.99	4.31	4.18	30.36
1896	1.63	2.33	2.66	3.74	3.50	5.59	9.18	2.98	5.15	1.87	2.84	3.12	44.59
1897	2.12	3.28	4.03	3.23	2.74	2.92	7.17	3.55	1.03	1.23	6.64	2.41	40.35
1898	2.63	2.14	6.69	3.06	4.70	2.35	6.56	3.89	3.26	3.41	3.23	2.30	44.22
1899	1.75	0.89	4.51	1.35	4.74	2.82	3.20	0.82	3.23	1.81	1.25	2.68	29.05
1900	1.84	3.38	2.97	2.13	1.48	3.94	4.90	5.95	1.68	1.86	4.19	1.32	35.64
1901	0.84	1.24	2.66	2.11	3.53	4.16	2.69	4.98	3.02	0.17	0.64	2.51	28.55
1902	1.35	1.08	2.89	1.58	3.10	3.21	5.66	1.41	3.17	1.29	2.61	4.24	31.59
1903	1.38	4.76	3.89	3.61	3.06	3.73	2.67	2.38	1.01	2.11	1.79	2.52	32.91
1904	4.41	3.30	6.95	4.20	3.75	4.37	5.76	1.83	0.94	1.65	0.46	3.59	41.21
1905	2.17	1.37	3.50	2.67	6.91	4.33	4.90	6.09	4.82	3.88	2.37	2.32	45.33
1906	1.88	1.31	4.32	2.80	2.77	5.00	5.22	5.61	5.16	3.41	2.53	3.79	43.80
1907	6.77	0.86	6.59	2.84	3.46	3.96	5.14	2.22	1.72	1.38	1.75	3.36	40.05
1908	1.74	4.39	4.91	3.75	3.65	2.02	5.12	3.98	1.14	1.43	1.36	2.13	35.62
Mns	2.44	2.47	3.93	3.00	3.64	3.44	4.58	3.30	2.74	1.95	2.45	2.79	36.73

Levering, Knox County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1882	......	......	......	......	......	......	......	......	......	......	3.74	2.80	......
1883	3.31	7.43	3.18	2.23	6.10	4.87	4.49	1.10	4.25	4.27	3.56	5.21	49.50
1884	2.75	5.73	3.61	1.54	3.91	5.49	3.59	0.65	5.31	1.73	1.44	3.36	39.11
1885	2.50	1.14	0.97	3.01	3.92	3.57	2.03	6.99	1.47	2.08	2.87	1.40	31.95
1886	3.85	0.76	......	......	......	......	......	3.18	4.50	1.64	4.93	3.55	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1892	......	......	......	......	......	......	......	2.99	1.69	0.50	2.31	2.25	......
1893	3.02	6.43	2.30	8.17	4.33	3.35	2.50	0.89	1.71	3.42	2.31	2.52	40.95
1894	2.05	3.37	2.78	2.10	5.36	3.44	2.14	0.72	1.53	1.59	2.66	2.58	30.32
1895	3.17	0.70	1.80	2.61	2.32	4.15	2.20	3.48	2.15	1.25	4.39	4.26	32.48
1896	1.47	1.04	2.77	3.19	3.99	3.45	8.90	3.61	6.95	1.04	2.62	2.92	41.95
1897	1.78	2.32	3.79	2.64	3.87	3.45	3.44	2.17	0.66	0.62	8.29	2.57	35.60
1898	5.29	2.74	8.74	3.85	5.15	3.40	3.04	5.06	2.96	4.18	5.52	2.63	52.56
1899	3.84	1.50	4.86	1.08	4.45	6.05	6.45	3.97	3.22	2.37	2.19	3.19	43.17
Mns	3.00	3.01	3.48	3.04	4.34	4.07	3.88	2.90	3.03	2.06	3.60	3.02	39.43

Milfordton, Knox County

Elevation, 1,200 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	......	......	......	......	......	......	......	......	......	0.84	1.90	1.64	......
1893	2.08	2.45	0.34	6.78	3.42	4.90	2.90	0.92	1.36	2.84	0.71	2.58	31.28
1894	1.91	3.34	2.91	1.88	4.62	3.64	1.78	0.96	2.84	1.90	2.36	3.06	31.20
1895	4.90	0.51	2.04	2.51	1.45	2.12	1.03	2.68	2.01	0.99	3.73	3.42	27.39
1896	1.83	1.56	3.31	2.16	2.31	4.91	7.77	3.65	6.15	1.09	3.07	2.93	40.74
1897	1.64	3.03	5.68	3.10	3.12	2.59	4.82	1.65	1.07	0.68	6.48	2.30	36.16
1898	5.21	2.56	8.26	3.53	5.28	2.96	3.00	3.84	1.58	3.98	3.90	2.52	46.62
1899	2.93	1.97	4.52	1.25	3.74	2.55	3.87	1.45	2.54	2.44	1.37	2.78	31.41
1900	2.24	2.65	3.17	2.10	1.45	2.45	5.33	4.76	2.43	1.62	2.42	1.33	31.95
1901	2.51	1.16	3.23	2.06	4.09	3.94	1.48	3.10	3.19	0.48	0.91	4.[illegible]	30.90
1902	0.75	1.15	3.60	2.04	2.34	6.61	6.33	2.63	4.76	1.78	2.78	4.16	38.93
1903	3.54	6.07	4.46	4.16	4.38	2.37	2.19	1.29	2.58	1.97	2.51	3.46	38.98
1904	4.37	2.74	7.03	4.37	3.54	3.96	4.67	3.97	1.44	2.90	0.17	3.40	42.56
1905	1.78	1.06	2.63	3.39	7.23	4.12	2.94	4.89	4.59	3.38	2.20	2.12	40.33
1906	1.58	1.81	4.25	1.33	2.74	2.73	5.06	7.01	3.20	3.04	2.58	3.58	38.40
1907	6.44	1.31	6.91	3.13	3.79	4.44	9.72	1.71	2.62	0.95	1.67	3.80	46.49
1908	1.84	3.93	6.25	3.22	9.13	3.19	3.35	0.85	0.35	1.59	0.74	2.26	36.70
Mns	2.85	2.30	4.29	2.94	3.91	3.59	4.14	2.84	2.67	1.91	2.32	2.95	36.71

Milnersville, Guernsey County

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1862	......	......	......	......	......	3.50	2.06	0.25	0.92	1.60	2.45	1.80	......
1863	......	4.06	0.68	2.29	0.94	1.25	1.41	1.01	3.31	2.53	1.87	1.65	......
1864	2.06	1.55	3.56	3.20	3.78	1.81	0.60	7.39	3.95	0.33	2.33	3.66	34.22
1865	2.63	0.80	4.38	2.88	2.94	1.78	3.90	2.62	4.47	1.26	0.83	3.02	31.51
1866	2.05	1.81	1.86	1.27	1.15	5.41	3.90	3.34	8.02	2.40	3.38	3.34	37.93
1867	2.20	1.86	1.72	2.20	5.12	2.85	2.79	2.23	0.45	2.33	1.62	3.55	28.92
1868	1.89	1.12	3.97	1.42	3.24	1.74	2.65	1.53	5.33	1.20	1.86	1.63	27.58
1869	5.05	2.85	3.24	1.36	2.96	6.31	4.33	0.42	8.10	2.90	4.20	1.67	43.39
1870	3.30	1.30	5.20	2.37	2.55	4.26	4.90	3.60	3.00	3.80	1.40	0.58	36.26
1871	0.85	2.44	1.67	2.70	4.85	3.85	7.05	5.70	1.20	0.90	......	1.29	......
1872	0.50	1.58	1.70	......	1.50	......	6.40	3.15	2.70	2.00	1.59	2.65	......
1873	2.75	2.22	3.30	2.85	2.80	......	7.70	2.65	1.65	4.50	2.30	4.50	......
1874	5.00	4.65	1.35	4.45	0.40	......	......	......	......	......	......	......	......
Mns	2.57	2.19	2.72	2.45	2.69	3.28	3.97	2.82	3.59	2.15	2.17	2.44	33.04

McConnelsville, Morgan County

Elevation, 710 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1884	......	......	......	2.41	3.87	1.80	3.63	1.06	2.23	1.13	1.89	4.35	......
1885	5.28	2.33	0.81	2.91	2.32	2.51	2.66	9.62	3.49	4.38	3.01	1.75	41.07
1886	4.03	1.50	3.04	3.03	3.85	5.10	4.96	2.92	4.04	1.08	6.16	1.89	41.60
1887	1.74	6.94	1.76	5.86	3.40	4.35	3.62	0.55	1.65	0.52	2.74	2.15	35.28
1888	4.13	1.65	2.12	1.90	4.46	2.86	5.25	6.17	4.68	5.04	4.81	1.64	44.71
1889	3.43	2.00	0.93	2.35	3.19	4.45	4.22	0.91	3.82	2.09	4.37	2.42	34.18
1890	5.44	5.08	5.33	2.53	5.90	8.23	2.61	7.95	6.55	3.74	3.08	3.68	60.12
1891	5.68	6.92	3.56	1.94	3.76	7.38	6.99	3.44	2.04	1.50	3.01	1.69	47.91
1892	2.37	2.93	2.41	2.04	5.84	5.92	5.24	2.07	1.85	0.43	1.96	2.53	35.59
1893	2.31	4.96	1.99	5.25	4.48	4.62	2.16	2.74	1.86	5.65	1.92	2.73	40.67
1894	2.19	3.35	2.10	3.14	2.52	2.81	0.69	3.14	2.09	1.67	1.82	3.98	29.50
1895	5.49	0.91	1.89	1.54	2.58	1.69	1.23	3.85	2.22	1.73	2.17	4.05	29.35
1896	1.92	2.19	3.35	3.12	1.95	6.44	8.89	3.11	3.79	1.72	3.14	1.13	40.75
1897	2.21	6.73	4.24	3.51	3.68	4.94	5.20	2.06	0.77	0.56	7.24	4.96	46.10
1898	6.87	3.70	6.54	3.33	4.40	4.14	2.78	5.35	2.39	3.53	2.88	2.81	48.72
1899	2.94	2.87	5.22	1.64	4.18	3.43	5.60	1.75	5.85	1.41	1.58	3.38	39.85
1900	2.73	3.56	2.01	0.97	2.48	2.60	3.44	3.34	1.11	1.55	5.56	1.63	30.98
1901	1.41	1.17	2.78	6.91	5.81	8.64	5.40	3.42	1.83	0.27	1.79	4.65	44.08
1902	2.01	1.85	3.05	2.76	2.25	7.27	3.42	1.65	4.06	2.67	2.53	4.86	38.38
1903	2.59	4.60	4.85	4.13	2.86	3.27	3.74	1.04	0.23	2.65	1.94	2.08	33.98
1904	2.44	1.91	5.32	3.33	4.79	3.37	1.29	3.03	1.60	1.58	0.41	3.65	32.72
1905	1.67	0.56	3.98	3.03	6.23	2.82	3.79	2.49	2.92	5.25	2.80	3.32	38.86
1906	3.40	1.17	4.16	2.28	1.93	4.69	5.50	4.68	4.02	3.56	1.63	3.62	40.64
1907	5.86	1.12	7.98	3.34	3.14	3.19	10.79	2.75	5.61	2.10	1.38	2.35	49.61
1908	2.17	2.01	5.84	4.21	5.33	1.40	5.76	1.63	0.36	1.62	1.14	2.27	33.74
Mns	3.35	3.00	3.55	3.10	3.81	4.32	4.35	3.23	2.84	2.30	2.84	2.94	39.63

Milligan, Perry County

Elevation, 875 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1893	1.91	5.84	1.20	5.52	2.33	4.34	3.91	2.44	2.27	5.44	1.91	2.18	39.29
1894	2.04	3.21	2.07	2.45	3.49	2.53	1.70	1.85	2.20	1.41	1.73	3.89	28.57
1895	4.15	0.78	1.46	1.48	1.91	1.55	2.47	3.75	2.68	1.69	2.18	2.90	27.00
1896	1.61	1.94	3.95	2.83	2.92	6.35	8.48	1.88	4.77	1.65	2.92	0.92	40.22
1897	1.47	6.25	4.06	3.38	2.23	3.11	9.44	2.37	0.61	0.35	6.99	2.09	42.35
1898	5.78	2.81	5.41	3.62	4.97	2.44	4.22	4.33	1.67	3.65	2.13	2.28	43.31
1899	2.33	2.00	4.34	1.65	3.62	4.98	4.83	2.40	4.37	2.02	1.49	2.73	36.76
1900	2.11	2.60	3.10	1.15	2.46	3.51	2.22	3.06	0.92	1.17	4.06	1.12	27.48
1901	1.24	0.97	2.44	5.14	3.78	10.01	1.54	3.28	2.16	0.10	1.25	4.25	36.16
1902	1.67	1.15	2.76	2.37	3.88	9.36	3.32	1.50	2.46	2.33	2.26	5.52	38.58
1903	3.88	5.42	3.47	2.76	3.96	3.21	2.25	1.68	0.33	1.98	1.92	2.41	33.27
1904	2.29	2.09	5.09	3.20	4.12	4.82	3.31	3.31	1.72	2.22	0.30	3.38	35.85
1905	1.62	1.54	4.12	2.61	5.05	3.39	2.76	4.25	3.21	5.76	3.01	3.01	40.33
1906	3.06	0.99	4.42	2.07	1.99	3.79	3.81	3.81	1.93	4.48	1.49	4.31	36.15
1907	5.95	0.76	9.01	4.36	3.94	3.46	6.02	2.56	3.82	2.22	1.27	3.50	46.87
1908	1.77	3.46	6.49	4.01	3.61	1.24	3.96	2.29	0.26	1.21	1.01	2.54	31.85
Mns	2.68	2.61	3.96	3.04	3.39	4.26	4.02	2.80	2.21	2.36	2.24	2.94	36.51

Nellie, Coshocton County

Elevation, 800 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1894	......	......	......	......	......	......	......	0.24	2.72	1.41	1.97	4.46	......
1895	3.29	0.20	1.03	1.38	1.74	3.05	2.12	4.22	2.17	0.66	3.24	3.98	27.08
1896	1.72	1.41	1.41	3.60	1.88	6.76	7.27	2.34	4.05	1.17	3.15	0.77	35.53
1897	0.67	......	......	......	......	......	......	2.07	0.58	0.52	6.47	2.71	......
1898	4.45	2.35	8.47	2.91	5.60	2.76	5.77	3.99	1.60	5.12	3.40	2.35	48.77
1899	3.06	1.70	4.96	1.22	6.17	3.44	4.27	4.08	3.58	1.76	1.26	2.70	38.20
1900	2.13	3.65	2.77	2.48	2.11	2.85	6.04	8.71	1.91	1.51	3.62	1.27	39.05
1901	1.92	1.06	2.14	3.58	4.33	3.62	2.34	9.06	2.67	0.58	1.26	3.64	36.20
1902	1.04	0.81	3.20	1.76	1.70	5.41	6.20	1.73	2.33	1.55	3.03	4.32	33.08
1903	2.75	5.13	4.41	4.45	2.27	4.35	1.44	0.97	1.34	2.11	2.15	2.38	33.75
1904	3.90	3.30	5.62	4.27	3.61	4.65	6.37	2.23	0.84	1.67	0.53	2.42	39.41
1905	1.68	1.39	2.76	2.88	7.34	3.69	5.79	4.29	3.55	4.05	3.21	2.02	42.65
1906	1.76	0.81	3.81	3.30	3.43	3.44	5.98	6.15	3.95	3.11	2.61	3.47	41.82
1907	5.13	......	7.26	3.47	2.63	4.07	5.12	......	2.35	......	0.99	3.65	......
1908	1.63	4.64	6.85	3.71	3.84	2.01	5.29	......	......	......	1.56	2.30	......
Mns	2.51	2.20	4.21	3.00	3.59	3.85	4.92	3.85	2.40	1.94	2.56	2.83	37.86

Note.—The record from August, 1894, to December, 1903, inclusive, is that of Warsaw, only a few miles distant.

Philo, Muskingum County

Elevation, 1,018 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1895	......	......	......	......	......	1.28	1.99	4.13	1.86	1.45	2.70	3.36	......
1896	1.78	1.81	2.64	4.65	2.09	6.36	9.02	2.98	4.76	1.20	2.47	0.86	40.62
1897	1.04	4.66	4.55	3.19	3.21	2.93	7.00	1.51	1.66	0.40	7.29	1.59	39.03
1898	6.84	2.62	5.77	3.80	5.26	3.24	5.60	5.87	1.61	3.55	3.05	2.45	49.66
1899	2.03	2.16	4.55	0.96	4.45	5.08	4.71	1.39	4.37	2.40	1.10	2.86	36.06
1900	2.03	2.79	2.62	1.42	2.78	1.71	2.50	2.23	0.32	1.00	2.36	0.79	22.55
1901	0.67	0.72	2.03	5.60	7.56	5.79	2.55	3.97	1.66	0.13	0.88	3.72	35.28
1902	1.36	0.80	2.18	1.94	1.99	8.95	5.15	1.32	3.14	2.30	2.85	4.99	36.97
1903	3.32	7.13	4.17	4.08	1.23	2.54	2.91	1.52	0.43	2.01	1.72	1.61	32.67
1904	1.76	0.75	2.44	2.41	3.47	2.50	3.25	2.56	2.13	2.38	0.06	3.00	26.71
1905	1.24	0.92	3.55	2.25	4.95	3.34	2.01	4.54	4.30	4.52	2.84	2.20	36.66
1906	1.65	0.59	4.51	1.17	1.92	2.90	3.49	2.12	2.02	2.69	0.81	1.90	25.77
1907	5.01	1.00	8.53	4.37	3.70	5.07	11.29	2.93	5.61	1.18	1.51	2.41	52.61
1908	1.39	2.95	6.90	3.85	4.07	0.90	3.56	1.61	0.41	1.33	1.09	2.07	30.13
Mns	2.32	2.22	4.19	3.05	3.59	3.76	4.64	2.76	2.45	1.90	2.20	2.42	35.50

Millport, Columbiana County
Elevation, 1,145 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1892	......	......	......	......	......	......	......	2.24	2.36	0.77	1.61	......	......
1893	2.24	5.54	2.21	5.70	4 96	3.20	2.59	2.86	1.09	5.64	1.22	2.84	40.09
1894	2 37	2.44	1.98	2.25	5.04	1.88	2.00	0.30	4.95	2.26	2.72	2.20	30.39
1895	4 10	0.75	2.05	1.11	1.66	2.32	3.18	5 10	1.86	1.26	3.31	4.08	30.78
1896	1.64	2.97	3.04	3.12	1.71	4.43	7.49	3 61	3.60	1 20	1.85	2.52	37.18
1897	2.33	2 99	3.76	3.18	3.23	2.22	4.77	1.85	0.76	T.	6.20	2.65	33.94
1898	4.47	2 42	6.33	2.13	3.86	7.05	5.29	7.55	1.35	4.33	3.12	3.20	51.10
1899	2.61	2.69	4.60	3.35	4.77	2.77	5.26	1.51	3.49	1.78	2.12	3.61	38.56
1900	2.23	3.32	3.15	1.52	1.76	3.71	4.89	3.81	2.83	1.46	4.22	1.68	34.58
1901	1.65	0.84	3.33	7.39	3.09	6.00	2.03	4.01	3.77	0.35	2.28	3.73	38.47
1902	1.11	1.44	3.13	2.19	3.12	5.71	5.52	3.26	3.80	1.84	1.79	4.46	37.37
1903	2.85	4 22	4.44	2.64	1.87	3.86	5.64	4.27	0.40	2.55	1.90	1.67	36.31
1904	3.63	3 11	4.70	4.33	2.85	3.46	3.49	3.25	1 26	1.74	0.64	1.86	34.32
1905	1.67	1.52	1.38	2.24	3.64	6.22	5.83	3.87	3.16	4.20	2.08	2.39	38.20
1906	1.99	1.35	3.97	2.00	1.85	3.31	3.84	4 03	2.55	2.70	2.60	3.06	33.25
1907	5 24	1.16	4.78	3.29	2.39	2.91	3.72	1.56	3.23	1 24	1.55	2.19	33.26
1908	1.90	2.32	5.09	2.91	3.19	1.81	2.88	2.00	0.45	1.61	0 88	2.54	27.58
Mns	2.63	2.44	3.62	3.08	3.06	3.80	4.28	3.24	2.41	2.05	2.36	2.79	35.76

New Alexandria, Jefferson County
Elevation, 1,050 feet

1885	......	......	......	2.30	4.65	4.16	2.44	6.84	2.13	5.29	2.66	2.97	......
1886	5.04	3.25	3.94	4.46	3.11	6.31	6.05	3.34	5 07	1.10	6.03	3.55	51.65
1887	2.67	5.27	1.33	2.60	2 11	5.55	2.39	2 40	1.98	0 87	2.40	2.38	31.95
1888	5.91	1 58	3.13	1.15	3.51	1.97	6.42	8 38	3.01	4.12	4.30	1.58	45.06
1889	3.60	2.20	1.90	3.03	3.46	3.35	4.84	1.12	2.47	1.55	4.63	2.67	34.82
1890	5.04	5.82	5 47	4.51	4.63	3.67	3 22	5.48	7 01	6.00	1.83	5.85	58.53
1891	3.86	7.04	3.77	2.07	4.46	3.52	4.98	2.85	1.36	1.06	2.68	3.05	40.70
1892	4.77	2.54	3.18	3.22	5.40	4.43	6.17	0.98	1.80	0.90	1.97	2.55	37.91
1893	3 08	7.38	1.95	5.95	3.71	2.97	3.46	5.36	1 06	4.71	1.44	3.58	44 65
1894	2.22	4.30	2.73	4.71	5.58	1.04	0.67	1.02	3 00	2.18	2.50	5 99	35.94
1895	6.24	2.22	4 12	2.60	1.43	1.65	3.33	4.06	1 71	0.98	2.41	5 59	36.34
1896	2.78	3.18	4.16	4.66	3.15	5.31	11.28	3.25	4.11	1.60	3.85	2.55	49 88
1897	2.05	4 10	4.40	3.67	2.81	5.07	5.61	2.18	1.42	0.00	7.46	3.35	42.12
1898	5.28	2.67	6.25	2.90	5.77	5.19	4.41	7.21	2.55	3.35	2.40	2.10	50.08
1899	3.65	3.50	4.50	1 90	4.95	3.45	4.20	1.00	3.65	2.60	1.80	3.00	38.20
1900	2.02	4.20	3 35	2 40	2.25	3.60	4 65	4.48	1.05	1.31	4.00	1.50	34.81
1901	2.90	0.30	3.05	7.56	4.57	5.25	2 95	3.15	2.30	0.20	0.75	4.75	37.73
1902	0 90	2.15	3.80	3.20	2 75	5.15	6 50	2.30	2.51	2.60	1.50	5 00	38 36
1903	2 53	7 50	4.70	3.40	1.90	4.10	4.70	2.55	0.65	2 40	3.84	3 07	41.34
1904	3.50	3.80	5.80	4.05	3.70	5.12	3 55	3.32	1.06	3 55	0.45	4 00	41.90
1905	2.55	1.45	3.55	2.90	4.73	6.10	4.25	2 85	4.02	3.83	2.72	1.75	40.70
1906	2.10	1.95	2.30	2.30	1.55	6.70	5.37	6.30	3.60	3.05	1.58	2 80	39.60
1907	3.58	0.90	6.35	4.05	3.85	4 65	7.07	1.57	5 70	3.10	1.45	2.70	44.97
1908	2 35	2.30	7.05	5.70	3.30	1.57	6.18	3.60	0.82	2.68	1.10	3.30	39.95
Mns	3.42	3.46	3.96	3.55	3.64	4.16	4 78	3.57	2.67	2.46	2.74	3.32	41.76

Quaker City, Guernsey County
Elevation, 915 feet

1858	......	......	......	......	......	......	......	......	......	5.25	6.13	7 90	......
1859	1.31	5.00	5.00	8.25	4 88	6.12	4.06	5.31	5.19	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1882	......	......		......	......	......	......	......	......	......	1.87	1.00	......
1883	4.04	7.68	3.61	4.56	5.28	3.64	7 23	1.51	2.38	3.84	3.81	5.55	53.08
1884	4.76	8.19	6.05	1.82	3.81	3.18	3.75	0 91	2.40	1.91	1.64	5.01	43.43
1885	4 98	2.23	1.57	2 65	3.21	3.39	2.39	9 86	2 73	4.92	3.06	2.22	43.21
1886	4.72	1 39	4.26	2.55	4.48	4 70	6.84	5.50	4.65	1 46	6 20	2.83	49 58
1887	2.26	6.46	1.46	3.53	5.70	3.47	4.61	1.64	2.63	0.99	3.06	2 60	38 41
1888	5.28	2.74	3.25	1.64	3.63	4.11	7.32	8.52	......	......	......	2.66	...
1889	3.66	1.77	1.38	......	......	......	......	......	......	......	......	......	......
1890	......	......	......	......	......	......	......	......	......	3 66	......	3 10	......
1891	2 60	4.67	2.91	......	......	......	......	......	......	......	......	......	......
Mns	3.73	4.46	3.28	3.57	4.42	4.09	5.17	4.75	3.33	3.15	3.68	3.65	47.28

Note.—The record from October, 1858, to September, 1859, inclusive, is that of Barnesville, about eight miles to the east.

New Comerstown, Tuscarawas County
Elevation, 800 feet

1886	......	......	......	2 92	3.51	2 38	4.86	6.06	5.33	1.52	4.81	3 03	......
1887	2.31	6.80	1.37	4.44	4 84	6.25	4.11	2.28	2.75	0 95	2.43	1 31	39.84
1888	5 57	1.93	3.54	1.40	4.31	2.57	9.62	8.10	4.51	4.15	4.69	1 65	52.04
1889	4.06	1.65	0.95	2.55	2.49	3.06	4.91	1.09	4 55	1 58	4.44	2 16	33.49
1890	5.50	6.00	5.39	3.43	5.09	8.72	5.24	5.76	8.89	4 53	1.53	2.71	62.79
1891	3.09	5.79	2.60	1.46	2.92	4.69	4.79	3.22	1.36	1.10	4.29	2 66	37.97
1892	2.11	2.25	2.78	2.77	5.29	4.53	3.41	3.63	2.15	0.95	1.40	1 69	32 96
1893	2.52	7 20	2.26	7.37	5.35	4.99	2.14	3.16	1.44	6.10	1.94	3 39	47.86
1894	2.35	2.97	1.97	2.74	3.50	2 52	2.07	1 31	2.88	1 48	2 73	3.54	30.06
1895	4 18	0 89	1.40	1.53	1.18	2.17	3 54	2.68	2 00	1 38	3 30	4 42	28 67
1896	1.91	2.08	3.39	2 98	2.40	5.77	9.77	3.69	5.91	0 82	3 02	1.79	43 23
1897	1.92	3.77	4.52	3.70	4 24	2.32	5.15	1.86	0.67	0.30	6.96	1 35	35.76
Mns	3.23	3.76	2.74	3.11	3.76	4.16	4.97	3.62	3.51	2.07	3.46	2.48	40.87

Somerset, Perry County
Elevation, 1,080 feet

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1897	......	......	......	......	......	....	4.81	2.90	0.97	0.06	4.96	2.01	......
1898	5.38	2.81	5.95	3 84	3.97	3.63	3.44	5.38	1.16	3.43	2.34	2.58	43.91
1899	2.37	1.85	4.76	2.47	3.32	5.92	4.11	1.13	2.80	1.87	2.61	2.84	35.55
1900	2.26	2.78	2.68	1.57	1.15	4.86	3.38	2.64	0.96	1.18	4.28	0.90	28.64
1901	1.72	0.68	1.85	7.11	4.11	5.39	1.98	3.24	2.04	0.42	1.08	4.10	33.72
1902	1.19	1.16	1.68	1.51	2.67	8.44	4.37	1.89	3.13	2.34	4.01	3.11	35.50
1903	4.06	3.42	1.50	2.96	3.51	3.82	3.53	1.37	0.80	2.57	2.17	1.17	30.88
1904	2.64	1.72	3.57	3.73	5.21	4.16	4.38	3.20	2.35	2.56	0.50	4.55	38.57
1905	1.86	1.22	1.82	2.80	5.69	3.82	3.33	5.15	4.03	5.82	2.98	2.58	41.10
1906	3.11	0.69	3.28	2.05	2.48	4.71	6.41	4.71	1.89	3.42	1.61	3.42	37.78
1907	4.67	0.64	6.69	3.96	5.00	4.29	7.24	2.62	4.87	2.80	3.01	1.61	47.40
1908	1.52	2.53	7.67	4.52	5.51	3.39	4.95	3.79	0.67	1.04	1.33	2.58	39.50
Mns	2.80	1.77	3.77	3.32	3.87	4.77	4.33	3.17	2.14	2.29	2.57	2.58	37.88

Steubenville, Jefferson County
Elevation, 719 feet

1830	......	......	...	......	......		...	......	......	......	......	3 40	......
1831	1.80	2.50	4 50	2 50	3.25	4 50	4.50	6.50	6.20	3 20	1.50	2.60	43.55
1832	5 20	8.50	2.20	1.80	2.20	1 55	2.95	5.95	1.60	1.50	2.60	3.70	39.75
1833	2.60	3.30	1.10	1.10	4.20	3.10	2.40	1.00	8.40	3.70	1.85	2.90	35.65
1834	3.05	1.85	3.20	3.26	2.26	5.21	7.45	2.50	2.32	3.58	2.70	1.40	38.78
1835	2.45	1.80	2.35	2.40	4.40	3.10	3.55	3.90	3.05	4 75	4.00	2.40	38.15
1836	3.60	1.80	4.67	2.09	4.05	5.50	2.75	5.00	3.30	1.70	1.76	2.93	39.15
1837	0.83	2.15	2 65	1.45	4.30	4.85	4.05	5.25	1.40	2.10	3.20	3.16	35.39
1838	1.90	0.95	3 10	4.10	5.90	2.25	1.50	3.50	0.16	1.60	2.97	0.23	28.16
1839	1.67	2.20	3.30	0.90	2.35	4.00	4.15	1.96	3 50	0.10	2.50	1.40	28.02
1840	1.90	3.25	5.19	4.22	2.75	1 95	3.70	4.35	2.40	2.85	3.10	1.90	37.56
1841	3.45	0.36	2.98	3.00	1.70	2.30	2.10	3.20	2.80	1.92	3.46	4.00	31.27
1842	2.13	3.73	3.50	4.32	3.15	4.80	2.91	6.75	1.75	1.50	3.15	3.50	41.19
1843	2.95	2.90	3.75	3.34	3.10	5.20	1.50	1.30	6.95	3 30	3.85	2.90	41.04
1844	1.91	0.90	3.38	1.40	4.52	4.35	5.15	4.70	2.65	4.21	2.70	2.80	38.67
1845	2.55	2.83	5.37	2.42	1.09	4.20	3.48	3.00	5.65	3.85	2.70	1.30	38.44
1846	3 80	2.50	2.80	4.20	6.00	5.68	3.01	8.10	3.07	5.80	2.65	4.60	52.21
1847	3.60	4.11	4.33	2.39	2.85	8.87	6.10	4.30	6.00	3.35	2.88	8.50	57.28
1848	2 70	1.01	5.52	2.10	9.15	3.32	7.80	5.90	1.75	3.10	3.10	4.80	50.25
1849	4.45	2.95	5.07	2.23	5.75	4.30	3.27	5.12	1.50	5.93	3.40	3.35	47.32
1850	7.30	4.22	2.75	3.20	3 04	4.60	2.28	3.20	3.25	4.10	2.90	6.14	46.98
1851	0.30	3.30	1.65	3.22	3.80	1.35	3.90	2.34	0.80	1.10	4.25	2.58	28.59
1852	2 92	3.32	3.70	9.90	3.55	3.00	2.80	3.90	2.75	2 30	4.14	7.02	49.30
1853	2.20	4.80	1 30	5.12	3.47	0.82	3.85	4.35	2.00	2 60	3.05	1.94	35.50
1854	2.60	3.35	3 75	4.23	1.90	1.50	2.45	1.81	1.71	2.70	2.10	2.01	30.11
1855	2.76	1.90	3.62	2.80	3 22	8.60	6.91	2.82	5.12	1.55	5.01	3.62	47.93
1856	3.50	1.48	2.11	2.37	6.05	3.20	1.45	3.10	1.95	2.21	3.05	1.88	32.35
1857	1.95	2.32	2 15	2.95	8.10	7.20	7.51	5.27	2.60	5.72	4.31	4.90	54.98
1858	1.44	3.31	0.84	6.60	8.05	4.70	6.95	1.90	1.95	4.60	4.30	5.85	50.49
1859	1.62	3.82	4.70	6.92	2 90	3.77	1.70	7.50	5.55	1.90	3.65	5.65	49.68
1860	2.55	1.52	0.50	7.60	3.82	1.48	6.02	3.60	2.47	8.25	5.73	2.94	46.48
1861	2.00	2.13	2.55	4 97	2.50	2.50	3.77	3.21	5.40	3.11	5.12	1.52	38.78
1862	6.55	2.62	4.18	5.55	3.10	5.90	3.41	0.80	1.15	3.40	3.25	2.45	42.36
1863	9.05	4.04	2 51	3.00	1.50	3 10	2.40	1.40	3.22	3.75	2.47	2.30	38.74
1864	3 40	1.34	4 01	3.51	3.40	4 95	2.77	8.60	7.15	2.92	3 65	3.52	49.22
1865	2.73	1.86	7.12	3.20	4.50	3 10	5.85	3.60	9.50	2.40	0.86	3.31	48.03
1866	1.93	2.55	4.56	2.51	2.50	7.04	4.00	4.55	7.50	3 75	3.90	4.15	48.94
1867	1.43	4.30	3.96	3.80	4 20	2 55	3.65	2.65	0.30	3.40	1.30	2.60	34.14
1868	....	......	......	....	......	......	....	......	.....	....	......	......	.....
1869	3.39	2.06	2.77	0.79	5 44	4.01	5.78	1.45	7.49	0.59	2.71	2.81	39.29
1870	5.73	3 51	3.86	2.78	3.04	4.33	4.83	2.82	2.73	1.90	1.25	1.73	38.51
1871	2.20	1.82	1.02	1.76	4.32	2.93	3.44	6 40	0.85	......	......	.....	.....
Mns	3.00	2.73	3.31	3.40	3.88	3.99	3.95	3.94	3.50	3.08	3.10	3.27	41.15

Zanesville, Muskingum County
Elevation, 700 feet

1854	......	.....	.....	......	6.25	......	2.14	2 24	0.57	6.10	1.99	1.41	......
1855	3.32	2.71	2.57	2 01	.....	6.19	6.72	4.58	6.29	1.49	5.22	2.92	......
1856	......	......	1 58	1.80	3.87	5.23	......	......	.....	......	......	......	......
1857	2.10	2.58	.....	......	......	......	......	......	......	......	......	......	......
.....	.....	.....	.....	......	.....	......	......	......	......	......	......	......	......
1887	......	.....	......	......	.....	......	......	1.80	1.51	0.39	2.54	1.37	......
1888	4.96	1.81	3 02	1.12	3.45	2.37	......	......	......	......	......	......	......
1889	3.25	1.50	0.47	2.13	1 65	4.30	2.90	1.14	3.27	1.66	4.65	2.06	28.98
1890	4.97	5.09	5 47	3.19	5 03	7.51	4.59	6 13	8.20	3.38	1.99	1.89	57 44
1891	2.81	5.99	3.43	1.45	3 13	3.15	8.84	1.72	0.93	1.00	3.05	1.66	37.16
1892	1.39	2.02	2.57	2.65	4.95	4.23	5.10	2.74	2.49	0.63	1.78	2.06	32.61
1893	1 42	5.41	1.66	4.61	6.31	2.05	2.53	2.23	1.51	7.25	2.07	2.87	39.92
1894	1 81	2.47	1 92	2 19	3.76	2.68	2.68	0 90	2 84	1 70	1.70	3.82	28.47
1895	3 98	0.71	1.15	1.23	0 84	1.42	1.50	3 55	1.82	0.88	3.49	3.88	24.45
1896	......	......	.....	....	......	......	.....	...	.....	.....	.....	......	.....
1897	......	....	.....	......	......	...	6.40	2.18	1.01	0.34	6.40	2.61	......
1898	5.51	2.37	5 52	3.41	4.81	4.02	2.28	4.44	1.80	3 43	2 24	2.65	42.48
1899	2 09	2.32	4 58	1.08	2.86	4.92	4.55	2.45	3 26	1.78	1.43	2.52	33.84
1900	2 05	2.65	2 73	1 57	2.13	1.70	2.26	3.49	0 80	1.09	4.19	1.21	25.87
1901	1.51	0.82	2.13	6.52	3 30	4.63	2.72	6.13	1.56	0.25	1.19	4.17	34.93
1902	1.77	1.07	2.57	2.31	1.86	7.05	5 77	1.42	2.59	2.44	2.62	4.78	36.25
1903	3.44	5.82	4.49	2.98	2.46	3.07	3.50	1.10	0.28	2.22	2.35	1.91	33.62
1904	2.13	1.85	4.63	2.53	2.22	3.31	7.34	2.82	1.36	2.96	0.34	3.78	35.27
1905	1.70	1.48	3.21	2.13	3.90	4.49	1.74	4.52	4.46	3.30	2.65	2.91	36.49
1906	2 71	1.13	4 26	1.73	3 01	3 01	4.78	3.47	2 55	2.82	1.61	3.02	34.10
1907	5 01	1.43	6 43	3.42	5 59	3 92	9.39	2.06	4 40	1.87	1.11	3.00	47.63
1908	1.08	2.89	6.40	2.84	4.00	2.62	3.71	2.17	0.32	1 56	1.24	2.36	31.19
Mns	2.82	2.58	3.37	2.52	3.59	3.90	4.35	2.88	2.45	2.21	2.54	2.68	35.89

Mean Monthly Precipitation

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Annapolis	11	1.88	2.41	3.14	3.33	3.03	3.42	3.57	2.85	2.25	1.65	2.59	2.64	32.76
Bangorville	22	3.24	3.14	3.93	2.91	4.23	4.20	4.24	3.17	3.06	2.24	3.06	2.96	40.38
Bladensburg	18	3.15	2.34	3.82	2.47	3.18	2.81	4.70	2.53	2.78	2.17	2.29	2.81	35.05
Cadiz	6	3.09	2.09	5.41	3.39	3.81	4.64	6.63	3.06	2.54	2.92	1.94	3.21	42.73
Cambridge	17	2.70	2.44	3.96	3.25	3.52	3.90	4.88	2.94	2.28	2.22	2.33	3.18	37.60
Canal Dover	16	2.97	2.61	4.37	3.09	3.54	3.83	4.67	2.96	2.64	2.05	2.59	3.09	38.41
Carrollton	10	3.07	3.40	3.43	3.04	4.44	3.87	4.57	2.92	2.38	2.08	3.27	3.16	39.63
Clarington	6	3.20	3.03	5.86	4.21	4.01	4.36	5.43	3.04	2.56	3.08	1.79	3.52	44.09
Demos	21	2.74	2.85	3.75	3.26	3.45	4.32	4.59	3.72	2.86	2.43	2.43	2.86	39.26
Granville	30	3.02	3.00	3.67	2.85	3.60	3.97	3.85	2.81	2.89	2.41	3.17	3.14	38.38
Gratiot	20	2.83	3.08	3.96	2.90	3.56	4.21	4.76	3.18	2.76	2.04	2.74	3.03	39.05
Hackney	8	3.37	3.50	3.52	3.03	3.15	4.01	3.99	2.49	2.84	1.91	2.88	2.90	37.59
Killbuck	17	2.44	2.47	3.93	3.00	3.64	3.44	4.58	3.30	2.74	1.95	2.45	2.79	36.73
Marietta	89	3.21	3.18	3.51	3.38	3.87	4.23	4.63	3.76	3.14	2.87	2.99	3.43	42.20
McConnelsville	25	3.35	3.00	3.55	3.10	3.81	4.32	4.35	3.23	2.84	2.30	2.80	2.94	39.63
Milfordton	17	2.85	2.30	4.29	2.94	3.91	3.59	4.14	2.84	2.67	1.91	2.32	2.95	36.71
Milligan	16	2.68	2.61	3.96	3.04	3.39	4.26	4.02	2.80	2.21	2.36	2.24	2.94	36.51
Millport	17	2.63	2.44	3.62	3.08	3.06	3.80	4.28	3.24	2.41	2.05	2.36	2.79	35.76
Milnersville	13	2.57	2.19	2.72	2.45	2.69	3.28	3.97	2.82	3.59	2.15	2.17	2.44	33.04
Nellie	15	2.51	2.20	4.21	3.00	3.59	3.85	4.92	3.85	2.40	1.94	2.56	2.83	37.86
New Comerstown	12	3.23	3.76	2.74	3.11	3.76	4.16	4.97	3.62	3.51	2.07	3.46	2.48	40.87
Philo (a)	14	2.32	2.22	4.19	3.05	3.59	3.76	4.64	2.76	2.45	1.90	2.20	2.42	35.50
Quaker City	8	3.73	4.46	3.28	3.57	4.42	4.09	5.17	4.75	3.33	3.15	3.68	3.65	47.28
Steubenville	40	3.00	2.73	3.31	3.40	3.88	3.99	3.95	3.94	3.50	3.08	3.10	3.27	41.15
Zanesville	22	2.92	2.63	3.35	2.60	3.63	4.21	4.36	2.94	2.42	2.24	2.54	2.76	36.60

Average Number of Days with .01 Inch or More of Precipitation

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Annapolis	10	7	9	9	8	9	7	7	6	6	5	8	7	88
Bangorville	22	11	10	11	9	12	10	9	7	7	8	8	10	112
Bladensburg	14	10	9	10	8	9	8	9	6	7	6	7	9	98
Cambridge	16	9	7	10	8	10	9	10	7	5	6	6	8	95
Canal Dover	16	11	9	11	10	11	9	10	8	7	6	8	10	110
Demos	19	10	10	11	9	11	10	10	8	6	7	8	10	110
Granville	23	11	10	13	11	12	11	10	8	7	7	9	10	119
Gratiot	18	13	12	13	12	13	12	11	8	7	7	11	12	131
Killbuck	16	9	8	11	10	11	10	10	7	6	6	8	8	104
McConnelsville	25	12	11	12	11	12	12	11	8	8	8	9	10	124
Marietta	26	11	10	12	11	11	12	11	9	8	8	9	10	122
Milfordton	16	11	9	12	10	11	10	10	6	6	6	8	9	108
Milligan	15	10	7	11	9	10	10	9	7	6	6	7	9	101
Millport	16	11	11	13	11	10	10	11	8	6	8	10	11	120
Nellie	13	9	8	11	8	10	11	11	8	6	6	8	9	105
New Alexandria	24	9	8	9	8	10	8	9	7	6	6	7	8	95
New Comerstown	12	10	9	8	8	10	9	9	6	6	6	9	7	97
Philo (a)	14	9	8	10	9	10	10	10	7	6	6	7	9	101
Somerset	11	12	9	14	12	13	14	13	10	9	10	8	11	135

Snowfall

Stations	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bangorville	8.7	8.4	5.7	1.5	T.	0	0	0	0	0.1	1.5	7.7	33.6
Cambridge	6.4	4.1	5.0	1.7	0	0	0	0	0	T.	0.4	3.4	21.0
Canal Dover	7.2	6.1	5.6	2.5	T.	0	0	0	0	T.	1.1	5.6	28.1
Demos	6.7	6.2	6.6	0.5	T.	0	0	0	0	0.1	1.3	5.0	26.4
Granville	7.8	5.3	5.1	1.4	0.1	0	0	0	0	T.	0.7	5.2	25.6
Gratiot	8.7	7.3	6.2	4.4	T.	0	0	0	0	0.1	1.6	6.0	34.3
Killbuck	7.8	5.6	5.9	2.2	T.	0	0	0	0	0.1	1.0	5.0	27.6
McConnelsville	7.2	6.2	5.2	2.0	T.	0	0	0	0	0.2	1.1	5.3	27.2
Marietta	5.8	4.8	4.6	0.9	0	0	0	0	0	T.	0.2	3.3	19.1
Milfordton	9.1	7.2	6.6	2.0	T.	0	0	0	0	0.1	1.0	5.8	31.8
Milligan	7.0	6.1	4.6	1.9	T.	0	0	0	0	0.1	1.0	4.8	25.5
Millport	8.4	6.5	5.0	3.2	T.	0	0	0	0	T.	1.7	6.4	31.2
New Alexandria	8.7	7.8	6.5	3.0	T.	0	0	0	0	T.	1.6	5.4	33.0

Monthly and Annual Mean Temperatures

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bangorville	22	26.3	24.8	37.0	48.6	59.6	68.5	72.5	70.2	65.0	51.7	39.4	30.1	49.6
Cambridge	16	28.7	26.8	41.0	49.5	60.7	68.3	72.6	70.7	65.2	52.6	39.4	31.2	50.6
Canal Dover	15	27.9	25.2	39.5	48.1	60.4	68.3	73.0	70.6	64.0	51.6	39.8	30.2	49.9
Demos	20	29.3	28.2	39.6	50.0	61.2	69.7	72.9	71.3	65.8	52.8	41.3	32.4	51.2
Granville	23	27.2	27.6	38.7	49.6	60.6	69.2	73.3	71.0	65.4	52.6	40.0	31.4	50.6
Gratiot	20	28.7	28.3	39.9	50.1	60.8	69.4	72.8	70.8	65.5	52.9	41.0	32.1	51.0
Killbuck	16	28.1	25.0	39.2	48.7	60.5	68.5	72.9	71.0	64.8	52.5	39.8	29.5	50.0
McConnelsville	25	30.2	30.3	40.4	50.8	62.0	70.1	73.7	71.8	66.5	53.5	42.0	33.0	52.0
Marietta	65	31.6	33.8	42.3	53.3	62.9	70.2	73.9	72.0	65.5	53.0	42.7	34.3	53.0
Milfordton	16	25.2	23.8	37.6	47.3	59.4	67.8	72.4	70.5	65.0	51.7	38.8	28.7	49.0
Milligan	15	29.8	27.6	42.1	50.2	61.8	69.5	73.8	71.9	66.2	53.7	41.0	31.9	51.6
Millport	16	27.4	24.2	38.9	48.1	59.5	66.9	71.6	69.2	63.8	51.9	39.1	28.7	49.1
New Alexandria	24	28.7	28.7	39.1	50.1	61.4	69.4	73.2	71.1	65.4	53.0	41.2	32.5	51.2

Highest Temperatures by Months

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bangorville	22	70	66	80	88	93	96	100	101	98	93	77	65	101
Cambridge	16	76	72	85	89	95	99	99	98	96	89	80	69	99
Canal Dover	15	72	68	79	92	97	99	102	99	98	89	75	68	102
Demos	20	73	70	81	90	93	97	98	96	97	88	75	68	98
Granville	23	73	66	81	88	95	99	101	99	98	88	77	66	101
Gratiot	20	72	68	81	90	94	98	97	95	95	88	78	69	98
Killbuck	16	72	66	80	86	98	102	102	100	97	89	74	64	102
McConnelsville	25	75	72	83	93	95	96	102	100	100	93	79	69	102
Marietta	22	72	74	85	92	93	96	101	98	94	87	78	70	101
Milfordton	16	71	63	80	88	96	100	102	101	100	92	79	67	102
Milligan	15	74	73	85	94	102	105	103	100	101	96	79	68	105
Millport	16	71	69	80	86	90	94	99	95	98	88	74	65	99
New Alexandria	24	73	70	85	88	95	97	100	98	98	86	78	65	100

Lowest Temperatures by Months

Stations	Years of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Bangorville	22	-20	-26	- 7	14	26	36	41	40	30	18	1	-13	-26
Cambridge	16	-27	-33	- 4	16	24	37	39	40	27	14	1	-14	-33
Canal Dover	15	-24	-25	-11	12	25	34	41	40	27	12	7	-15	-25
Demos	20	-12	-26	- 2	12	29	39	45	45	31	20	11	-10	-26
Granville	23	-20	-25	- 3	17	27	32	40	41	27	15	9	-16	-25
Gratiot	20	-24	-26	- 2	16	26	38	42	44	29	17	9	-16	-26
Killbuck	16	-19	-23	- 1	12	26	36	40	39	28	17	7	-11	-23
McConnelsville	25	-18	-29	- 3	18	26	39	42	43	30	15	4	-11	-29
Marietta	22	-10	-22	- 2	21	29	42	48	46	34	17	10	- 4	-22
Milfordton	16	-18	-28	- 9	14	25	32	39	41	25	15	7	-16	-28
Milligan	15	-30	-39	- 6	13	23	33	38	39	26	12	6	-18	-39
Millport	16	-26	-25	- 8	7	21	33	39	38	24	16	0	-18	-26
New Alexandria	24	-11	-23	- 2	15	28	38	46	42	29	20	11	- 7	-23

Direction of Prevailing Wind

Stations	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Columbus, Ohio	sw.	w.	w.	nw.	sw.	sw.	sw.	sw.	s.	s.	sw.	sw.	sw.
Demos, Ohio	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Killbuck, Ohio	w.	w.	w.	n.	w.	sw.	w.	nw.	nw.	sw.	w.	w.	w.
Parkersburg, W.Va.	s.	nw.	w.	nw.	s.	s.	s.	s.	se.	se.	se.	se.	s.
Pittsburg, Pa.	w.	nw.	nw.	nw.	nw.	nw	nw.	nw.	nw.	nw.	w.	w.	nw.

Average Hourly Wind Movement (in miles)

Stations	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Columbus	9	10	10	9	8	7	7	6	7	8	9	9	8
Parkersburg, W. Va.	7	7	7	7	5	5	4	4	4	5	6	6	6
Pittsburg, Pa.	8	8	8	7	6	6	5	5	5	6	7	7	7

Mean Relative Humidity

Stations		January	February	March	April	May	June	July	August	September	October	November	December	Annual
		%	%	%	%	%	%	%	%	%	%	%	%	%
Columbus, Ohio*	8 a. m.	84	82	80	74	75	77	76	79	80	81	82	83	79
	8 p. m.	77	74	69	61	61	63	59	61	62	64	70	76	66
Parkersb'rg, W.Va*	8 a. m.	83	83	81	75	75	78	79	82	84	83	82	82	81
	8 p. m.	77	76	70	62	64	69	67	69	70	69	72	76	70
Pittsburg, Pa.*	8 a. m.	80	80	78	73	74	75	75	78	79	79	78	78	77
	8 p. m.	74	72	68	62	62	64	62	61	63	63	68	72	66

* 75th meridian time.

Frost Data

Stations	Years of record	Average date of first killing frost in autumn	Average date of last killing frost in spring	Earliest date of killing frost in autumn	Latest date of killing frost in spring
Bangorville	22	October 3	May 6	September 12	May 29
Cambridge	16	September 28	May 5	September 14	May 28
Canal Dover	15	October 2	May 8	September 14	May 29
Demos	18	October 10	May 3	September 22	May 29
Granville	20	October 5	April 30	September 15	May 28
Gratiot	18	October 5	May 5	September 14	May 29
Killbuck	16	October 1	May 2	September 14	May 31
McConnelsville	24	October 8	April 29	September 16	May 28
Marietta	25	October 20	April 18	September 28	May 22
Milfordton	16	September 30	May 6	September 14	May 31
Milligan	15	September 28	May 9	September 12	May 30
Millport	16	October 3	May 9	September 15	May 29
New Alexandria	24	October 5	May 2	September 27	May 28

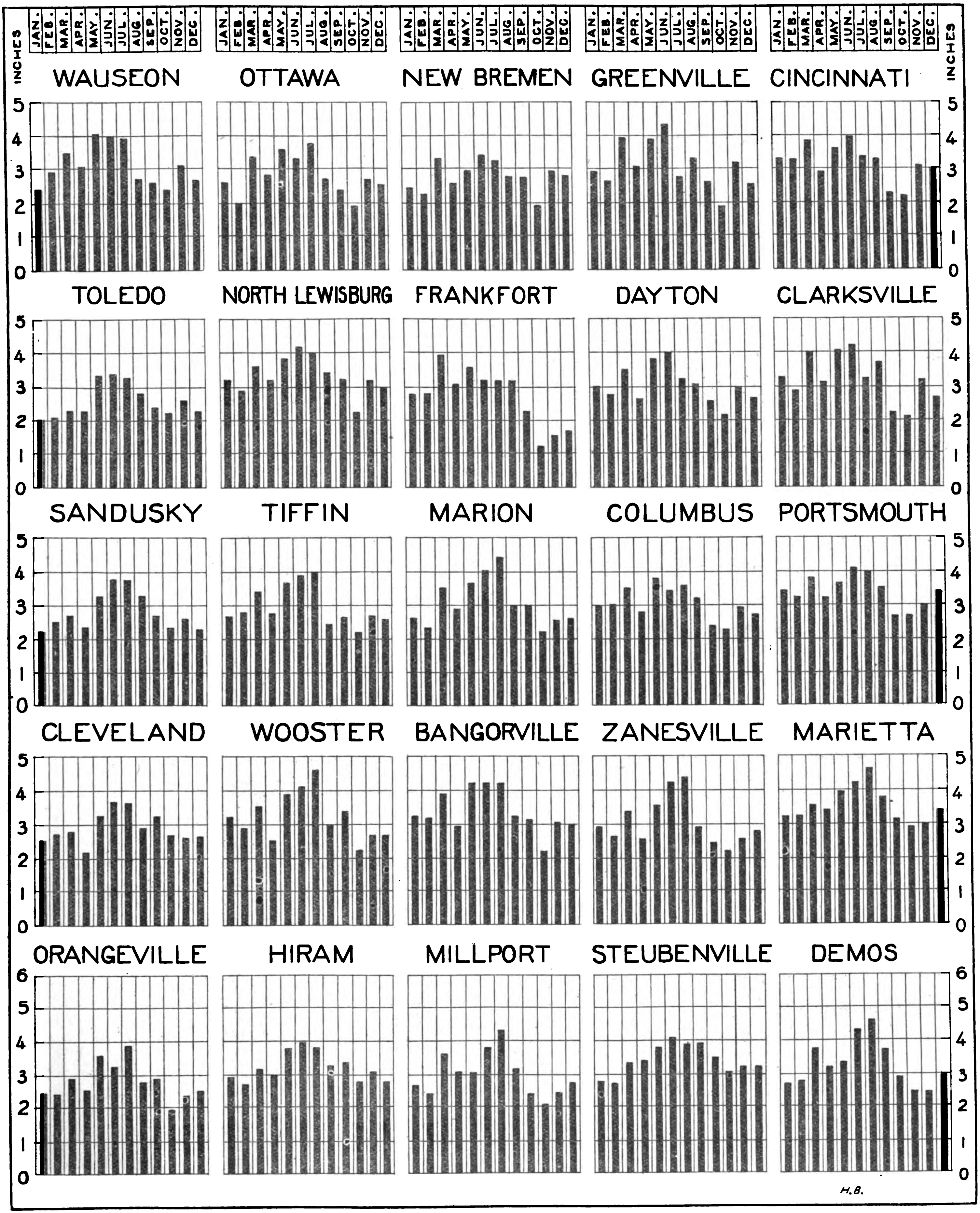


FIG. 1—Diagram showing the comparative monthly distribution of precipitation.

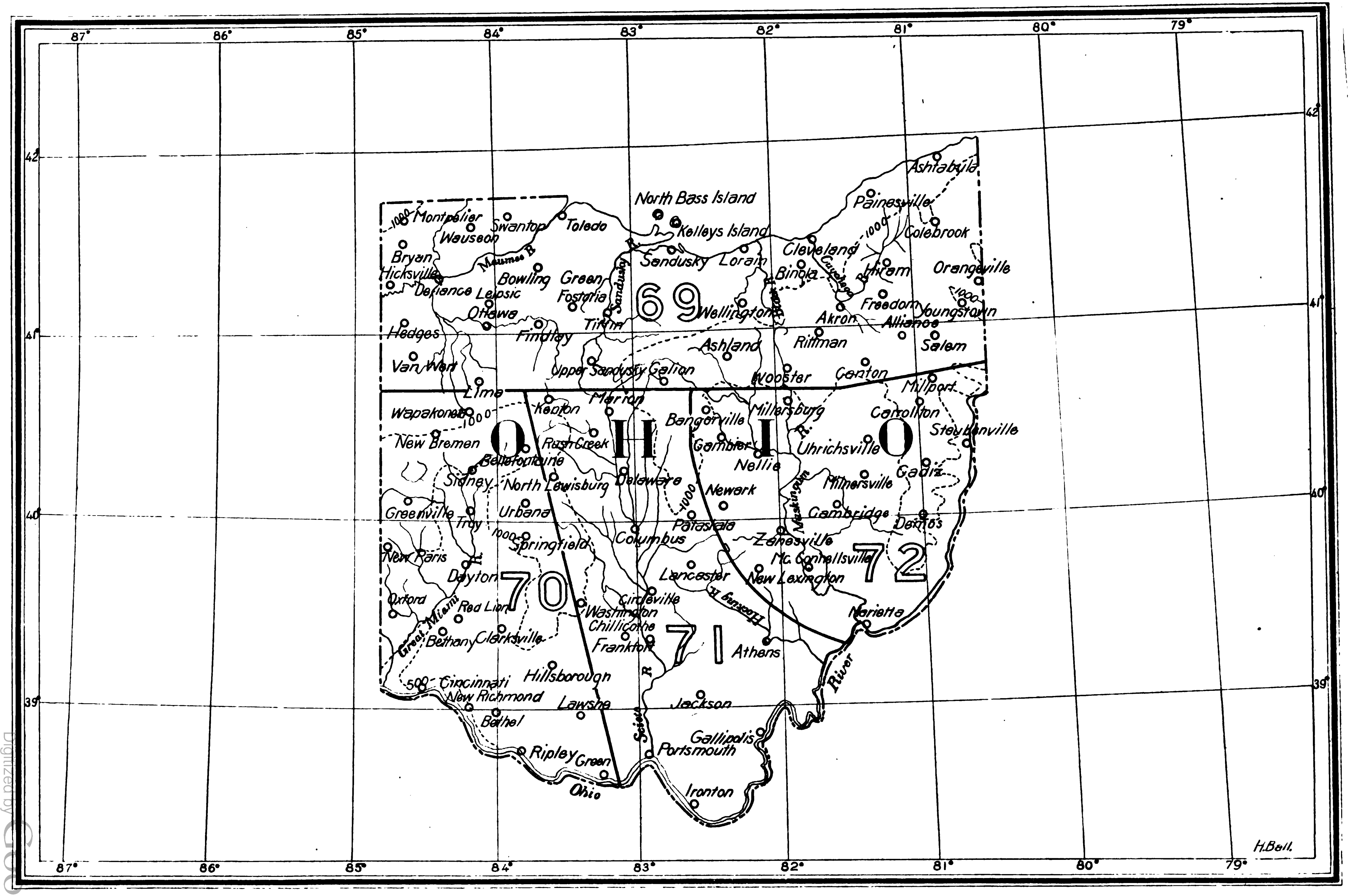


FIG 2—Chart showing the boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. Day, Acting Chief of Division.

Section No. 73.—NORTHERN WEST VIRGINIA.

West Virginia lies in two drainage basins, the principal one being that of the Ohio River; a small portion comprising the northeastern panhandle lies in the Potomac drainage basin.

For convenience of climatological study, however, the State is divided into geographical sections, these sections being sub-divided into secondary river-basin groups.

Excepting the northern panhandle, this article considers that portion of the State west of the Appalachian crest and north of a line drawn from the southern portion of Pocahontas county to the extreme west-central portion of Mason county. Most of this section lies between 38 degrees 30 minutes and 39 degrees 45 minutes north latitude. It has an area of nearly 11,000 square miles, somewhat more than two-fifths of the State. The northern panhandle will be included in the western section of Pennsylvania, and the eastern panhandle in the Maryland section.

Considered physically, the section is divided into three parts;—mountain region, plateau region, and hill region. The eastern portion of the section is in the Appalachian mountains, and the peaks in Preston, Tucker, Randolph, and Pocahontas counties, and western portion of Pendleton county, rise to elevations of from 3000 to slightly more than 4800 feet, the highest mountain in the State being in Pendleton county. While the elevations are higher in the central, or plateau region, than in the western portion of the section, the western two-thirds of the section, considered generally, is hilly, the hills occasionally rising into mountains; but there are many fertile winding valleys, and the hills are generally well-rounded.

The northeastern portion of the section slopes northward, and is the basin of the Monongahela river, which is formed by the West Fork and Tygart's Valley rivers. The Buckhannon is the most important tributary of the Tygart's Valley. The Cheat river, rising in the mountains in the southeast portion of the section, flows nearly north and unites with the Monongahela a few miles north of the West Virginia boundary. The southeast and extreme southern portions of the section slope southwestward, and comprise the northern portion of the Great Kanawha basin. The principal rivers of this group are the Elk, Gauley, and Greenbrier. The west-central portion of the section, extending eastward to the center of the State, slopes northwestward, and is the basin of the Little Kanawha river. The principal tributaries of the Little Kanawha are the Hughes river on the north and Reedy Creek on the south. The northwest portion of the section is drained by several small rivers which empty into the Ohio.

The elevation of the extreme western portion of the section, or along the Ohio river, ranges from about 525 feet at Point Pleasant to about 600 feet in the northwest portion of Wetzel county. The extreme north-central portion of the Monongahela basin has an elevation of about 800 feet, and the watershed between the Monongahela basin and the basins of the Great and Little Kanawha rivers, from west to east, ranges in elevation from about 1100 to more than 4000 feet. The western watershed of the Monongahela basin has an elevation from about 1200 to about 1650 feet.

CLIMATIC CHARACTERISTICS.

Owing to physical conditions and latitude, the climate of this section is somewhat varied, though genial and healthful. The precipitation is ample and well distributed, and seasons of severe drought are uncommon. Protracted spells of uncomfortably warm weather are infrequent, and cold periods are of short duration and not severe.

The summer rainfall occurs mostly during thunderstorms, or as moderate showers in connection with low pressure areas that pass north of the State. The heaviest precipitation during the fall and winter months occurs during the passage of storm areas from the Southwest northeastward over the Ohio valley. Most of the storms that develop in or south of the Gulf of Mexico pass to the eastward without giving much precipitation in the section; but sometimes these storms cause heavy rain or snow over the eastern portion, and occasionally over the whole section.

The annual precipitation for the section averages slightly more than 44.5 inches, the average for the Monongahela group being about 47 inches. The average for the extreme eastern portion, or mountain region, is about 49 inches, and for the extreme western, or Ohio river region, somewhat more than 41 inches. The average is highest in July, and lowest in the western portion in September and in the eastern portion in October. As a rule, the precipitation during the spring months exceeds the winter average by nearly 2 inches, and the summer average is only slightly less than the spring average. The rainfall for September, October, and November is practically two-thirds of the summer average. Excessive precipitation is uncommon. The snowfall is usually light in the Ohio river region, and does not remain on the ground long, as a rule. Moderate snowfalls occur in the middle portion of the section, and heavy snows are not uncommon in the mountains, or eastern portion.

The annual temperature of the mountain region averages about 50°. The annual averages for the rest of the section range generally from 52° to 54°, the warmest weather occurring over the western and south-central portions. Maximum temperatures above 95° seldom occur, and the nights in summer are generally comfortable, especially in the mountain districts, which are justly celebrated as summer resorts. Frosts late in the spring or early in the autumn seldom occur. July is the warmest month and February is the coldest.

The distribution of the precipitation over the four districts of the section is shown in detail in the accompanying tables, which, as is contemplated in these summaries, show the precipitation by months and years from the beginning of observations to the end of 1908.

The tables have been grouped for convenience of investigators into sections having similar rainfall and other climatic conditions, and the variations from the different seasons and years may be studied as desired. Tables are also given showing the extremes and means of temperature, the occurrence of frost, average snowfall, average number of days with precipitation during the various months of the year, the average relative humidity, and the prevailing direction of the wind.

H. C. Howe, *Section Director.*

PRECIPITATION IN NORTHERN WEST VIRGINIA.

Monthly, Annual and Average Amounts (in Inches and Hundredths).

[Figures in bold-face type estimated from surrounding stations.]

MONONGAHELA BASIN GROUP.

ROWLESBURG, W. VA.—PRESTON COUNTY.

Elevation, 1375 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1884..	......	......	......	......	......	......	......	......	......	......	......	3 57	......
1885..	4.89	2.98	2.37	3.15	1.90	1.35	2.56	3.87	0.75	6 07	2.79	0.37	33.05
1886..	0.94	0.52	2.72	1.99	4.58	3.61	0.47	2.38	1.23	0.10	0.47	0.13	19.14
1887..	3.35	2.23	2.30	4.80	3.80	5.15	2.34	3.39	4.10	1.57	2.37	1.88	37 28
1888..	6.15	2.50	4.74	2.65	4.32	1.72	**5.50**	**5.60**	**5.00**	1.39	1.65	1.10	42.32
1889..	2.71	1.56	0.95	3.23	2.05	5.30	5.17	1.67	2.86	2.36	4.83	3.05	35.74
1890..	4.69	5.54	4.46	6.14	8.09	4.67	2.92	5.44	4.39	4 62	2.22	3.28	56.46
1891..	2.52	5.62	4.08	4.20	4.25	3.79	4.70	5.49	1.62	2.69	4.16	5.93	49.05
1892..	2.92	2.08	3.45	4.84	5.87	3.42	3.56	2.38	2.13	1.55	4.94	2.77	39 91
1893..	2.14	3.84	1.06	5.70	4.48	3.87	3.82	2 00	1.78	3.41	1.96	2.20	36 26
1894..	2.63	3.98	2.71	4.81	7.40	2.80	3.99	2.29	2.84	2.27	3.44	6.18	45.34
1895..	2.98	0.99	4.26	4.78	2.08	3.40	4.34	1.89	0.42	1.15	2.75	2.75	31 79
1896..	1.65	3.11	1.76	1.00	3.21	6.61	12.14	1.18	3.49	2.93	2.20	1 81	41.09
1897..	2.20	5.08	4.29	4.07	3.60	4.57	4.47	4.52	1.95	0.65	6.70	7.24	49.34
1898	6.62	2.12	6.72	4.77	4.73	2.57	1.53	5.70	1.59	2.48	2.52	2.98	44.33
1899..	3.94	3.30	6.78	2.31	5.72	7.69	4.70	2.96	2.85	0.80	3.49	3.10	47.64
1900..	2.80	3.92	4.57	1.05	1.36	6.96	2.70	4.88	1 26	2.01	3.77	1.32	36.60
1901..	3.05	1.54	4.01	5.02	2.71	4.20	3.13	4.31	2.68	0.53	3.60	7.10	41 88
1902..	4.97	2.69	4.42	4.08	3.26	5.27	5.74	2.53	3.01	4.52	3.29	7.91	51.69
1903..	4.34	6.55	5.06	4.24	3.48	7.63	4.10	3.65	1.54	3.33	2.83	3.09	49.84
1904..	3 61	3.16	5.16	3.58	2.87	4.00	4.60	2.37	4.87	2.25	0.76	4 26	41.49
1905..	3.98	2.99	6.14	3.63	4.67	6.32	7.68	5.76	2.53	5 35	3.49	3.14	55.68
1906..	4.64	1.38	5.50	6.40	2.86	5.83	5.65	5.00	4.91	3.20	2.53	7.63	55 53
1907	10.07	3.87	7.17	3.86	5.54	5.76	12.84	5.69	3.65	4.30	5.10	4.28	72.13
1908..	3.70	5.21	8.60	5.20	10.10	3.91	5.00	3.02	0.85	0.33	0.82	4.29	51 03
Mean	3.81	3.20	4.30	3.98	4.29	4.60	4.74	3.67	2.60	2.49	3.03	3.65	44.36

TERRA ALTA, W. VA.- PRESTON COUNTY.

Elevation, 3207 feet.

1898..	......	......	......	......	......	......	......	......	......	......	......	......	......
1899..	......	......	......	......	6.82	8.19	3.61	1.72	6.13	r>50	......	......	......
1900..	2.37	3.05	3.79	1.50	1.50	7.78	5.55	7.20	1.00	2.00	5.20	**1.50**	42.44
1901..	......	1.05	4.80	......	......	......	......	......	......	......	2.55	5.40	......
1902..	4.60	3.30	5.20	4.15	2.10	7.40	6.45	4.10	3.05	5.50	4.18	8.85	58.88
1903..	5.60	6.90	4.60	2.50	5.28	12.30	8.30	3.00	0.64	4.75	3.90	3.70	61.47
1904..	3.20	1.64	5.96	4.14	4.42	4.20	5.50	2.93	4.48	**2.25**	0.40	4.37	43.49
1905..	7.43	2.59	6.82	2.59	7.57	7.72	7.33	7.50	2.75	5.28	4.26	1.83	63.67
1906	3.96	1.05	5.45	6.59	3.82	6.11	7.00	6.06	2.35	4.35	4.13	11.15	62.02
1907..	7.28	4.16	7.36	2.92	6.37	5.05	10.83	5.70	7.03	4.73	4.77	9.31	75 51
1908..	4.04	6.26	7.07	3.83	9.99	3.31	6.52	3.49	1.98	0.69	0.61	**4.00**	51.79
Mean	4.81	3.33	5.67	3.53	5.32	6.90	6.79	4.63	3.27	3.45	3.33	5 57	56.60

PARSONS, W. VA.—TUCKER COUNTY.

Elevation, 1662 feet.

1899..	4.25	4.24	5.70	3.00	6.93	3.47	4.63	2.37	3.95	1.10	1.75	1.22	42 61
1900..	1.90	3.75	3.00	2.05	1.70	5.90	3.70	3.10	0.50	2.50	4.00	3.00	35.10
1901..	2.60	1.10	0.90	2.50	2.50	3.37	3.50	5.10	1.90	0.75	1.75	7 50	33.47
1902..	2.80	1.62	5.60	**4.00**	2.90	3.00	3.30	1.30	3.43	0.90	2.60	**6.25**	37.70
1903..	2.80	6.30	**4.00**	**3.90**	2.56	10.70	3.75	3.25	2.46	3.04	2.17	2.05	46.98
1904..	3.65	3.52	4.60	3.44	4.46	3.84	1.83	1.23	2.77	2.91	0.66	4.40	37.31
1905..	4.12	3.10	4.87	2.63	4.70	4.27	5.66	3.33	2.47	5.78	2.96	1.57	45.46
1906..	4.40	2.55	6.16	5.41	2.09	4.02	3.32	7.50	4.41	3.43	2.00	5.26	50.55
1907..	8.33	4.16	6.20	4.14	4.75	5.42	11.82	2.00	3.00	3.79	4.50	4.80	62.91
1908..	5.76	5.47	4.75	5.55	9.33	3.53	2.60	2.69	0.81	0.40	0.99	2.61	44.49
Mean	4.06	3.58	4.58	3.66	4.19	4.75	4.41	3.19	2.57	2 46	2.34	3 87	43.66

BUCKHANNON, W. VA.—UPSHUR COUNTY.

Elevation, 1472 feet.

1889..	3.10	3.46	2.19	5.30	6.01	5.76	8.31	2.33	3.52	4.54	7.24	2.78	54.54
1890..	5.26	6.16	7 62	5.10	6.03	8.28	3.06	3 79	5.63	8.59	2.54	5.49	67.55
1891..	4.29	5.87	5.46	3.37	4.10	5.92	7.95	7.10	2.25	2.62	3.80	4.56	57.29
1892..	3.68	2.05	3.35	5.76	6.11	5.00	2.60	4.11	3.42	1.15	4.39	3.13	44.75
1893..	2.48	4.61	1.61	6.99	4.34	2.72	5.30	2.87	2.08	3.85	2.51	2.52	41.88
1894..	3 28	3.60	2 63	4.73	4.04	3.30	1.94	2.07	1.30	3.20	3.38	4.60	38.07
1895..	4.14	0.91	4.15	5.47	2.19	2.55	3.67	2.77	2.05	1.94	2.67	2.68	35.19
1896..	2.55	3.21	5.09	3.48	2.44	4.77	13.63	1.91	4.87	3.31	5.01	2.58	52.85
1897..	1.79	6.10	4.36	3.37	5.05	6.42	4.91	2.49	2.79	0.25	6.19	6.76	50.51
1898	6.74	2.68	8.00	4.45	5.13	3.97	4.16	8.96	3.79	6.02	3.79	3.45	61.14
1899..	6.38	5.02	5.96	1.97	3.99	6.33	4.87	2.78	3.39	......	......	......	......
1900..	2.04	4.99	3.75	1.58	3.31	4.30	4.09	2.57	1.29	3.87	6.69	3.09	41.57
1901..	2.71	1.34	3.78	6.86	7.03	4.90	......	......	3.55	0.66	2.89	7.74	......
1902..	4.63	3.39	4.29	2.57	3.50	6.06	3.97	3.55	......	......	......	6.23	......
1903..	3.41	6.43	3.93	4.15	6.24	......	......	......	......	2.12	......	4.43	......
1904..	2.84	3.92	4.61	3.23	2.97	......	5.98	......	......	......	0.33	3.87	......
1905	3.55	2.60	5.42	3.54	5.09	3.63	7.37	3.20	2.19	4.17	2.48	3.45	46.69
1906	4.25	3.31	8.11	5.00	2.76	......	......	......	......	......	......	......	......
1907	......	......	......	......	......	......	......	......	......	......	......	......	......
1908..	......	......	......	4.33	5.91	5.46	6.16	2.51	1.10	0.86	0.95	3.14	......
Mean	3.73	3.87	4.68	4.28	4.54	4.96	5.50	3.53	2.88	3.14	3.66	4.15	48.92

ELKINS, W. VA.—RANDOLPH COUNTY.

Elevation, 1940 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1899..	4.26	4.04	5.12	2.69	6.12	5.98	5.87	1.43	5.01	1.15	2.04	3.64	47.35
1900..	2.07	3.88	4.41	1.37	2.51	5.93	5.59	2.61	2.56	2.46	5.93	3.05	42.37
1901..	3.65	1.17	3.50	5.61	5.95	5.94	2.98	4.23	3.14	0.50	2.90	6.92	46.49
1902..	3.90	2.86	4.39	3.61	4.08	5.22	6.23	3.61	4.81	2.76	3.92	5.88	51.27
1903..	3.79	5.72	3.64	3.38	5.37	5.51	3.60	2.48	1.69	1.79	2.71	2.16	41.84
1904..	2.75	3.18	4.25	3.06	3.60	5.25	4.07	4.59	1.70	2.16	1.02	3.19	38.82
1905..	3.48	2.32	4.89	2.96	5.41	3.93	4.56	3.97	1.83	3.70	2.30	2.29	41.64
1906..	3.84	1.24	5.38	5.29	3.66	6.46	3.16	4.84	4.24	3.81	2.10	5.07	49.09
1907	8.93	2.87	4.75	3.90	3.21	7.26	11.10	5.27	7.10	3.73	3.84	3.41	65.37
1908..	4.02	3.22	5.58	4.95	8.42	2.77	7.88	2.60	0.88	0.33	0.77	2.83	44.25
Mean	4.07	3.05	4.59	3.68	4.83	5.42	5.50	3.56	3.30	2.24	2.75	3.84	46.83

PICKENS, W. VA.—RANDOLPH COUNTY.

Elevation, 2785 feet.

1877..	5.87	0.94	4.96	2.99	3.64	6.12	4.76	2.51	4.05	3.76	6.29	2.47	48.36
1878..	5.27	2.00	4.38	4.01	5.69	4.84	7 31	4.89	2.84	4.65	7.98	5.14	59.00
1879..	3.13	3.15	5.48	1.09	3.70	4.57	6.13	3.64	2.63	1.64	3.07	6.44	44.67
1880..	4.30	5.51	6.57	5.77	3.47	6.45	5.57	5.54	3.35	3.88	0.59	4.51	55.51
1881..	3.80	4.51	3.75	4.15	4.58	6.99	9.48	1.45	1.37	4.51	3.23	8.81	56.63
1882..	9.50	6.95	6.65	4.26	7.15	8.27	7.65	12.60	7.04	1.30	2.76	3.27	77.40
1883..	5.26	8.18	5.37	6.72	4.38	6.55	7.84	1.73	3.09	5.21	2.05	5.15	61.53
1884..	6.00	5.24	4.96	2.70	5.51	5.69	5.12	4.30	0.92	2.45	2.66	4.30	48.85
1885..	5.90	2.65	2.54	5.04	3.50	4.66	4.41	3.14	1.43	5.80	4.06	3.19	46.32
1886..	3.45	2.71	4.46	3.44	7.08	5.46	4.82	3.77	4.37	1.35	4.53	4.57	50.01
1887..	3.75	7.68	3.02	4.91	3.65	8.14	2.86	3.96	3.49	1.20	1.24	2.18	46.08
1888..	4.32	2.79	4.38	2.61	5.85	2.81	6.28	4.67	2.77	8.14	2.97	3.05	50.64
1889..	......	......	......	......	......	......	......	......	......	......	......	......	......
1890..	......	......	......	......	......	......	......	......	......	......	......	......	......
1891..	......	......	......	......	......	......	......	......	......	......	......	......	......
1892..	......	......	......	......	......	......	......	......	......	......	......	......	......
1893..	......	......	......	......	......	......	......	......	......	......	......	......	......
1894..	......	......	......	......	......	......	......	......	......	......	......	......	......
1895..	......	......	......	......	......	......	......	......	......	......	......	......	......
1896..	......	......	......	......	......	......	......	......	......	......	......	......	......
1897..	......	......	......	......	......	......	......	......	......	......	......	......	......
1898..	......	......	......	......	......	......	......	......	......	......	......	......	......
1899..	......	......	......	......	......	......	......	......	......	......	......	......	......
1900..	......	......	......	......	......	......	......	......	......	......	......	......	......
1901..	......	......	......	......	......	......	......	......	......	......	......	......	......
1902..	......	......	......	6.13	6.09	6.38	7.28	1.71	3.44	2.82	4.03	9.95	......
1903..	6.45	9.58	6.11	6.19	5.70	7.39	3.60	5.85	2.78	2.71	4.98	3.30	64.64
1904..	5.82	4.55	6.10	5.52	4.84	**5.00**	4.70	4.16	2.83	**2.00**	2.20	5.91	53.63
1905..	4.98	3.66	4.75	5.57	6.24	4.76	6.48	4.10	1.91	2.46	2.23	3.38	50.52
1906..	3.53	1.57	6.96	5.39	5.48	7.31	4.52	10.72	5.44	5.41	4.34	9.61	70.28
1907..	11.54	4.83	7.10	6.66	3.84	8.69	13.36	6.83	3.43	4.71	5.42	4.45	80.86
1908..	8.19	4.80	6.01	6.88	8.82	4.94	7.53	5.03	1.22	1.28	1.16	4.80	60.66
Mean	5.61	4.52	5.20	4.74	5.17	6.05	6.30	4.77	3.07	3.44	3.46	4.97	57.30

NOTE.—From 1877 to 1888, the values are for Helvetia, 4 miles north of Pickens.

PHILIPPI, W. VA.—BARBOUR COUNTY.

Elevation, 1192 feet.

1891..	......	......	......	......	......	......	......	......	......	......	......	......	......
1892..	......	......	3.35	5.22	5.43	2.59	3.54	3.40	3.05	1.45	3.65	2.90	......
1893..	4.99	4.58	1.08	4.78	3.41	2.65	3.15	2.56	1.70	3.71	2.16	1.72	36.49
1894..	1.90	3.08	1.75	4.16	4.62	3.04	2.48	1.35	1.45	2.65	2.10	5.35	33.93
1895..	3.36	1.40	3.90	3.77	2.26	2.62	5.15	2.87	1.33	0.95	**2.50**	**2.40**	32.51
1896..	**2.00**	**3.00**	5.53	**3.00**	3.63	4.71	15.70	2.70	8.26	2.20	4.33	2.39	57.45
1897..	2.09	7.29	3.99	7.10	5.66	7.89	5.80	5.75	4.00	1.50	**5.50**	**55.0**	62.07
1898..	**6.00**	**2.50**	7.67	4.31	5.84	3.50	3.91	11.57	2.79	5.19	3.80	2.49	59.57
1899..	5.29	4.87	5.37	1.49	6.68	4.42	7.92	1.90	4.28	1.01	2.67	3.83	49.73
1900..	1.82	4.18	4.56	1.15	2.71	4.98	4.28	2.18	1.08	4.67	5 62	3.23	40.46
1901..	3.55	0.82	3.26	7.03	5.58	4.58	1.76	3.33	2.70	0.51	3.07	**6.00**	42.19
1902..	1.95	1.00	**4.75**	**3.50**	**4.00**	7.06	4.40	2.71	3.03	2.35	3.01	7.34	45.10
1903..	4.72	5.86	5.36	4.24	3.92	5.03	3.74	2.40	2.29	3.00	3.41	2.49	46.46
1904..	3.11	2.12	4.03	2.37	2.47	5.71	3.61	2.79	2.82	1.74	0.46	4.29	35.52
1905..	3.02	2.48	4.98	3.54	6.31	6.12	8.56	3.91	2.14	5.31	3.07	3.31	52.75
1906	4.17	1.88	5.09	6.16	2.45	5.53	4.21	4.20	3.58	3.47	2.49	6.27	49.50
1907..	9.08	3.07	5.61	3.24	4.76	4.76	7.39	5.13	4.56	3.67	3.12	3.56	57.95
1908..	3.43	4.99	6.92	3.78	7.47	2.97	5.72	2.56	1.25	0.55	1.00	3.49	44.13
Mean	3.78	3.32	4.54	4.05	4.54	4.60	5.37	3.61	2.96	2.58	3.06	3.92	46.33

* LOST CREEK, W. VA.—HARRISON COUNTY.

Elevation, 1033 feet.

1896..	1.39	2.47	4.07	3.18	4.43	5.53	14.10	2.20	4.90	1.59	2.85	1.97	48.68
1897..	1.85	4.65	3.21	3.22	3.54	4.07	7.03	3.59	0.49	0.31	3.78	4.87	40.61
1898..	5.55	1.92	7.50	2.93	4.07	1.77	4.47	9.33	2.89	4.89	2.59	2.37	50.28
1899..	5.51	4.28	5.59	1.79	6.00	4.17	6.31	2.39	3.37	0.88	2.79	3.75	46.83
1900..	2.93	4.79	3.67	1.39	3.08	4.65	4.61	2.50	0.75	3.90	2.54	1.70	36.51
1901..	2.13	0.62	3.06	7.48	5.56	2.50	3.33	4.56	3.75	0.12	2.96	5.38	41.45
1902..	3.15	2.61	3.07	2.76	3.47	6.55	3.27	2.01	4.80	2.37	2.75	6.88	43.69
1903..	2.51	6.51	6.59	4.00	3.17	4.21	2.40	2.14	1.65	2.33	2.91	2.46	40.88
1904..	4.26	3.37	3.88	4.39	3.95	4.54	**2.00**	1.91	0.43	1.80	0.26	2.77	33.56
1905..	3.35	2.27	6.34	3.10	7.70	3.41	4.14	4.06	2.43	6.30	2.57	3.36	49.03
1906..	4.36	2.33	5.51	5.21	3.12	5.20	2.80	6.45	3.51	1.64	3.02	4.74	47.89
1907..	8.04	2.73	4.10	1.97	4.87	3.97	8.68	6.27	3.22	2.34	3.52	4.03	53.74
1908..	1.91	3.83	7.73	3.74	9.30	2.72	2.97	3.35	1.21	1.15	1.09	2.86	41.86
Mean	3.61	3.26	4.95	3.47	4.79	4.10	5.09	3.90	2.57	2.28	2.59	3.63	44.24

* Formerly Dayton.

WESTON, W. VA.—LEWIS COUNTY.

Elevation, 824 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888..	4.92	2.54	4.21	4.03	4.46	3.49	2.65	3.90	......	4.02	1.71	1.99	......
1889..	2.99	2.31	1.54	4.99	1.77	3.96	6.10	1.31	4.16	3.54	9.71	2.10	44.48
1890..	4.15	5.73	4.80	4.75	9.06	8.21	4.03	7.94	5.64	7.84	2.94	3.11	68.20
1891..	4.29	5.90	5.67	6.74	4.68	6.76	7.03	9.85	4.07	2.30	4.61	4.80	66.70
1892..	2.56	3.50	4.87	5.88	6.06	2.30	4 85	6.95	3.10	1.03	4.06	3.60	48.76
1893	1.93	4.52	1.30	5.61	3.02	5.23	3.96	2 06	2 40	4.20	2.70	2.25	39 18
1894..	2.60	3.90	1.98	4.46	5.31	3.10	2.48	2.64	3.05	3.30	2.65	5.31	40.78
1895..	5.86	2.29	4.75	5.61	1.73	2.62	3.91	1.50	1.69	0.75	2.87	2.70	36.28
1896..	2.72	3.00	4.61	1.95	3.39	7.03	15.15	3.86	4.02	4.37	3.57	2.50	56.17
1897..	2.36	6.40	3.92	3.28	5.00	5.34	8.00	3.00	1.64	0.10	6.71	5.26	51.01
1898..	7.55	3.15	10.05	3.11	3.42	3.44	3.81	6.77	3.84	5.63	3.50	3 13	57.40
1899..	5.33	3.72	6.53	1.69	5.70	5.65	5.51	3.28	4.04	0.57	2.76	3.85	48.63
1900..	2.46	5.06	4.24	1.67	4.43	6.21	4.11	2.98	0.88	3.54	5.50	2.88	43.96
1901..	2.69	1.11	3.88	7.84	6.21	4.51	2.00	4.86	3.75	0.30	3.19	6.54	46.88
1902..	4.17	2.91	4.44	3.44	3.34	5.17	5.76	2.69	2.56	3.59	3.71	7.34	49.12
1903..	3.01	6.55	4.78	4.20	5.16	4.96	2.39	2.84	1.70	3.16	3 03	2.74	44.52
1904..	3.09	2.91	5.20	4.43	2.50	4.04	1.92	1.48	0.46	1.30	0.46	3.39	31.18
1905..	4.34	3.19	5.71	4.29	5.68	2.13	5.84	3.39	2.02	5.97	3.36	3.60	49.52
1906..	4.64	3.34	6.54	4.42	2.83	6.34	3.76	3.39	2.27	2.34	2.98	6.08	48.93
1907..	8.41	3.25	5.33	3.54	4.67	5.90	11.14	5.36	5.80	3.22	3.14	3.95	63.71
1908..	3.34	5.24	6.46	4.84	7.54	4.42	4.88	0.90	1.11	1.06	1.04	3.76	44.59
Mean	3.97	3.83	4.80	4.32	4.57	4.80	5.20	3.85	2.91	2.96	3.53	3.85	48.62

GRAFTON, W. VA.—TAYLOR COUNTY.

Elevation, 985 feet.

1891..	......	......	......	......	......	......	......	......	......	2.12	2.90	3.40	......
1892..	4.69	2.87	2.57	4.56	5.37	2.67	3.32	1.87	3.39	1.45	3.91	3.00	39.67
1893..	2.57	4.73	1.13	7.17	4.07	4.06	3.68	1.76	1.51	2.95	2.59	1.71	37.93
1894..	2.51	3.84	1.82	4.13	3 98	2.96	4.34	3.05	1.73	2.32	2.40	4.74	37.82
1895..	4.67	1.24	3.80	4.15	1.65	4.58	3.65	3.48	0.44	1.61	2.27	2.23	33.77
1896..	1.50	2.96	4.70	2.18	4.84	4.01	11.91	2.22	4.68	2.83	3.38	2.00	47.21
1897..	2.21	5.27	3.43	3.10	4.81	5.15	6.24	2.82	0.65	0.32	4.89	4.96	43.85
1898..	5.58	2.45	7.14	4.05	4.73	4.48	4.36	6.85	1.87	4.92	3.34	2.48	52.25
1899..	4.87	3.43	5.51	1.84	4.71	6.33	4.68	2.10	4.74	1.21	3.34	3.22	45.98
1900..	2.17	3.95	3.77	1.66	2.72	5.40	5.09	5.40	0.98	3.63	6.18	2.55	43.50
1901..	2.53	0.73	3.63	6.51	6.50	9.37	3.32	5.30	3.56	0.43	3.12	4.44	49.44
1902..	3.82	2.38	5.14	3.50	5.02	5.68	4.83	4.80	4.68	2.92	3.11	6.86	52.74
1903..	2.57	5.65	5.77	3.70	3.74	4.96	3.75	2.28	1.49	3.42	3.62	2.28	43.23
1904..	2.54	2.22	5.36	3.77	2.60	4.94	1.60	3.45	2.94	1.55	0.30	2.93	34.20
1905..	3.28	1.44	5.78	4.13	4.81	5.05	7.92	5.57	2.34	5.08	2.85	3.15	51.40
1906..	3.27	1.61	5.57	5.05	2.99	4.76	2.30	3.07	2.67	2.98	2.56	5.59	42.42
1907..	7.70	2.98	5.43	2.41	5.12	4.40	8.01	5.61	5.94	4.09	3.92	3.38	58.99
1908..	2.23	3.66	6.65	3.26	7.65	2.87	4.48	2.29	0.74	0.50	0.70	2.94	37.97
Mean	3.45	3.02	4.54	3.83	4.43	4.80	4.91	3.64	2.61	2.46	3.08	3.44	44.21

FAIRMONT, W. VA.—MARION COUNTY.

Elevation, 879 feet.

1892..	4.00	2.31	2.78	3.56	4.90	3 62	4.39	2.79	2.31	1.02	3.56	2.20	37.44
1893..	2.76	5.25	1.05	6.21	3.64	3.97	2.42	2.79	2.20	3.34	2.48	1.82	37.93
1894..	2.03	3.53	1.81	3.51	3.45	4.23	2.96	1 57	2.19	2.40	2.38	4.59	34.65
1895..	5.81	1.08	4.15	2.76	1.58	4.08	2.69	3 28	1.10	0.84	2.92	2.33	32.62
1896..	1.16	2.79	4.48	1.57	5.92	4.59	13.33	2.64	4.41	2.95	3.13	2.29	49.26
1897..	1.94	5.47	3.32	3.42	4.46	3.83	3.38	2.60	0.62	0 12	6.35	4 63	40.14
1898..	4.99	2.10	6.10	4.40	4.71	3.36	3.10	7.40	2.47	5.81	2.66	2.70	49.80
1899..	4.44	3.34	5.67	2.27	5.57	5.59	5.81	3.01	3 68	0.43	3.18	2.87	45.86
1900..	2.49	3.42	4.14	1.38	2.99	5.47	5.08	3.45	0.43	4.33	5.59	2.34	41.11
1901..	2.52	0.67	3.54	6.68	6.24	5.46	1.91	2.92	4.29	0.38	3.23	6.02	43.86
1902..	3 20	2.54	4.18	4.16	2.26	4.30	5.97	2.09	4.34	3.81	3.16	6.74	46.75
1903..	2.76	4.94	5 40	3 46	2.62	5.88	6.58	1.74	1.34	2.87	2.70	1.80	42.09
1904..	2.56	1.00	4.91	3.14	3.10	6.11	2.89	2.51	1.69	1.78	0.44	2.98	34.01
1905..	3.53	1.76	6.26	2.80	4.44	4.10	8.70	5.19	2 81	6.16	2.63	3.90	52.28
1906..	4.24	1.62	4.92	4.92	1.59	5.74	3.80	4.26	1.98	2.03	1.87	5.38	42.35
1907..	7.70	3.53	5.89	2.71	5.84	4.64	6.83	6.15	3.80	2.59	3.89	3.11	56.68
1908..	2.30	3.90	6.61	3.28	5.95	4.04	3.93	2.15	0.97	1.25	0.79	2.67	37.84
Mean	3.44	2.95	4.42	3 51	4.07	4.65	4.93	3.33	2.39	2.48	3.00	3.43	42.63

MANNINGTON, W. VA.—MARION COUNTY.

Elevation, 967 feet.

1901..	......	0.75	2.81	8.55	5.74	3.11	4.35	3 93	3.38	0.20	5.35	3.69	......
1902..	2.71	1.80	......	......	......	......	......	......	......	......	......	......	......
1903..	......	.....	3.40	3.61	3.26	6.62	4.81	1.73	......	2 20	2.63	1.68	... ..
1904..	1.95	1.83	5.14	3.29	3.29	4.60	2.57	4.36	2.38	1.48	0.33	2.54	33.76
1905..	3.61	1.50	4.83	3.01	3.97	3.08	......	......	2.71	5.35	......	......	......
1906..	......	......	......	4.52	2.66	4.49	4.76	4.82	2.27	2.72	1.99	5 07	.....
1907..	8.33	2 70	5.89	3.14	4.99	4.95	6.78	3.58	3.87	2.57	3.04	3.67	53.51
1908..	2.31	3.55	5.86	3.53	5.62	2.03	4 56	2.86	1.42	1 29	0.80	3.25	37.08
Mean	3.78	2.02	4.66	4.24	4.22	4.13	4.64	3.55	2.67	2.26	2.36	3.32	41.85

MORGANTOWN, W. VA.—MONONGALIA COUNTY.

Elevation, 1250 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1873..	3.34	5.31	4.01	2.18	4.11	5.68	7.61	4.71	3.52	5.76	3.54	2.09	52.76
1874..	3.17	2.27	3 45	7 20	1.25	4.55	5.75	2.16	5.05	0.14	4.72	5.30	45.11
1875..	3.12	2.74	5.41	2.90	1.69	4.09	7.89	5.58	5.10	3.57	4.18	3.99	50.26
1876..	4.25	3.85	4.97	2.80	3.26	3.00	9.35	3.77	7.16	1.63	2.17	1.95	48.16
1877..	4.26	1.09	3.98	2.51	2.25	6 70	5.80	4.65	2.54	3.53	4.52	1.62	43.45
1878..	3.95	1.20	3.82	2.80	2.87	4.35	3.74	2.50	3.24	3.87	5.95	4.84	43.13
1879..	3.41	2.38	4.56	1.47	1.35	4.64	7.10	6.62	1.27	1.62	2.24	6.70	43.36
1880..	5.77	4.53	5.10	4.30	2.24	6.66	3.80	7.25	3.18	3.07	1.99	3.99	51.88
1881..	3.08	3 56	2.12	2.30	3.28	4.77	5.61	0.41	2.78	4.55	3.19	5.93	41.58
1882..	6.78	5.41	7.18	3.36	4.51	3.39	3.64	7.72	7.23	1.86	2.28	1.92	55.28
1883..	4.93	7.07	4.01	......	......	......	......	......	......	......	......	......	......
1884..	......	......	......	......	......	......	......	......	......	......	......	......	......
1885..	4.75	2.62	1.60	3.31	......	6.18	2.78	7.43	1.45	5.07	2.75	2.39	......
1886	4.01	2.26	3.15	4 50	6.46	7.00	4.29	5.55	3.51	1.51	4.02	......	......
1887..	1.33	6.28	1 32	3.35	1.16	3.08	2.96	4.32	3.19	0.81	1.37	1.55	30.72
1888..	6.85	2.34	3.77	2.39	5.82	3.73	7.29	8.70	5.03	7.14	4.90	1.92	59.88
1889..	2.75	2.68	3.09	4.97	6.37	4.47	5.12	1.61	3.91	3.34	7.87	2.85	49.03
1890..	5.83	5.87	5.84	4.13	8.10	6.83	3.41	7.08	7.71	8.20	2.67	3.87	69.54
1891..	3.93	6.31	4 15	2.72	3.20	6.08	7.52	7.45	3.20	2.59	3.68	3.82	54.65
1892..	3.64	2.05	4.68	3.02	5.28	3.15	6.97	1.81	1.42	1.30	2.89	2.38	38.59
1893..	2.97	5.05	1.02	5.46	3.38	1.94	1.66	1.34	2.20	2.89	2.38	2.14	32.43
1894..	2 45	3.56	1.57	2.95	1.03	1.70	3.07	1.77	2.52	3.14	3.47	3.83	31.06
1895..	4.74	1.45	1.77	2.48	1.39	5.55	2.82	2.18	1.25	1.02	1.65	1.85	28.15
1896..	0.96	3.74	3.35	1.68	3 57	4.16	9.80	1.91	3.78	3.08	4.17	1.36	41.56
1897..	2.35	3.94	3.88	3.80	4.91	5.77	5.55	3.04	1.23	0.29	5.24	2.77	42.77
1898..	5.78	1.68	6.20	4.86	4.78	5.17	4.01	7.91	2.79	5.56	2.67	0.71	52.12
1899..	4.37	5.67	6.63	1.94	4.72	6.43	3.38	1.78	2.26	0.50	1.35	3.50	42.53
1900..	1.59	2 96	3.59	1.51	2.14	5 39	6.93	4.33	0.48	3.91	5.06	1.54	39.43
1901..	1.96	0.55	3.67	6.15	6.10	2.34	1.86	7.37	3.68	0.36	3.02	5.57	42.63
1902..	3.63	2.48	3.92	3.48	1.72	7.16	8.42	4.87	3.24	3.95	2.24	6.12	51.23
1903..	2.87	6.47	4.28	3.55	4.12	5.21	5.46	1.34	1.21	3.21	2.26	1.70	41.68
1904..	2.70	2.02	4.32	2.86	2.91	5.55	4.50	2.18	1.38	1.74	0.15	2.56	32.87
1905..	3.48	1.75	5.13	3.38	3.63	3 94	5.36	4.16	1.96	4.98	2.48	3.85	44.10
1906..	3.92	1.58	3.73	4.10	3 14	4.52	3.57	2.93	2.85	3.14	1.62	5.48	40.58
1907..	7.51	2.24	6.97	2.79	4.06	4.33	9.36	2.62	4.97	3.44	3.05	3.04	54.38
1908..	2.23	3.19	6.04	3.28	6.04	2.74	3.55	1 29	0.70	0.53	0.82	2.26	32.67
Mean	3.79	3.38	4 07	3.37	3.66	4.71	5.29	4.13	3.15	2.98	3.13	3.22	44.88

LITTLE KANAWHA BASIN GROUP.

GLENVILLE, W. VA.—GILMER COUNTY.

Elevation, 738 feet.

1887..	......	......	......	......	......	......	......	1.56	2.89	1.15	0.96	1.74	......
1888..	4.30	2.43	3.43	2.37	6.03	3.84	7.36	7.61	5.06	5.82	2.77	1.62	52.64
1889..	3.42	2.68	1.49	4.12	5.13	4.51	9.61	1.89	4.89	3.08	7.19	2.45	50.46
1890..	4.35	6.97	7.54	4.08	5.46	4.85	5.11	7.72	6.67	6.96	2.89	6.04	68.64
1891..	4.72	5.67	4.51	3.46	2.01	7.01	6.87	6.14	1.63	2.39	4.35	3.88	52.64
1892..	3.81	2.70	3.24	4.78	5.85	4.81	2.92	2.99	4.49	0.98	3.37	2.49	42.43
1893..	2.62	4.66	1.44	5.87	3.84	4.18	3.13	3.56	2.19	5.23	3.22	1.92	41.86
1894..	2.48	4.34	1.93	4.39	5.22	3.88	2.60	2.05	2.12	2.31	2.73	5.02	39.07
1895..	4.90	1.25	4.50	3.69	1.66	1.86	4.54	1.69	3.74	0.50	2.77	3.24	34.34
1896..	2.13	3.63	5.13	1.40	2.32	6.11	14.15	2.17	5.89	3.74	3.86	2.24	52.77
1897..	1.58	7.49	3.57	3.36	5.31	6.40	8.93	3.36	1.61	0.15	6.00	4.53	52.29
1898..	6.61	2.82	7.58	3.02	4.01	3.80	4.41	7.73	3.89	4.91	3.03	3.81	55.62
1899..	6.04	4.51	7.80	2.72	3.27	6.50	4.34	1.74	4.25	0.97	1.97	3.68	47.79
1900..	2.71	5.24	3.68	1.35	4.30	4.98	4.36	2.39	0.94	3.52	4.59	2.81	40.87
1901..	3.11	1.36	3.26	8.76	5.49	5.05	2.93	5.34	3.55	0.70	3.48	6.54	49.57
1902..	4.26	3.85	4.28	3.39	4.17	5.35	5.52	3.86	3.23	3.67	3.32	7.29	52.19
1903..	3.64	6.39	4.78	4.66	4.13	4.52	2.69	2.25	1.10	2.79	3.01	3.25	53.21
1904..	2.81	3.12	4.99	3.50	2.00	4.75	1.50	2.32	0.84	1.00	0.47	2.95	30.25
1905..	4.05	3.77	5.06	3.33	6.15	1.97	3.92	5.20	1.98	7.55	2.58	3.08	48.64
1906..	4.44	2.68	5.81	3.39	1.51	5.06	3.91	3.80	2.30	1.86	2.93	5.82	43.51
1907..	7.45	2.30	4.45	3.79	4.26	6.07	8.54	5.81	5.14	2.36	2.25	3.98	56.40
1908..	1.72	4.04	5.64	2.76	6.23	3.54	4.47	1.43	1.93	1.38	1.01	3.11	37.26
Mean	3.86	3.90	4.48	3.72	4.21	4.72	5.32	3.76	3.20	2.86	3.12	3.70	46.85

SPENCER, W. VA.—ROANE COUNTY.

Elevation, 782 feet.

1892..	......	3.20	5.30	4.12	5.00	4.87	2.48	0.71	2.05	......	2.08	3.22	......
1893..	7.06	5.84	1.23	4.60	2.68	3.85	3.71	2.01	1.33	5.60	0.47	0.68	39.06
1894..	4.26	3.97	1.22	2.81	3.88	1.39	1.12	0.60	2.80	2.90	0.77	6.02	29.94
1895..	5.10	1.00	3.90	1.00	1.80	2.46	4.00	2.70	4.25	1.45	4.00	2.00	33.66
1896..	1.70	2.16	4.66	2.80	1.60	2.91	7.10	2.70	3 85	2.75	3.00	1.95	37.18
1897..	......	......	......	......	......	......	......	......	......	......	......	......	......
1898..	......	......	......	......	......	......	......	......	......	......	......	......	......
1899..	......	......	......	......	......	......	......	......	......	......	1.19	2.83	......
1900..	2.78	3.77	3.17	1.08	3.94	4.46	5.11	2.88	1.15	2.28	4.77	2.51	37.90
1901..	2.56	1.66	2.99	8.83	4.87	11.10	1.21	3.88	4.37	2.07	3.13	6.09	52.76
1902..	4.21	......	......	4.02	5.21	......	......	......	......	......	......	......	......
1903..	......	......	......	......	......	......	......	......	......	......	2.72	2.06	......
1904.	2.61	2.85	......	2.34	......	......	......	......	......	......	......	......	......
1905..	......	......	......	......	......	......	......	......	......	......	......	......	......
1906..	3.06	2.54	5.01	1.20	2.70	7.05	6.63	5.30	4.11	2.59	2.80	4.23	47.22
1907..	6.69	1.99	4.14	3.90	4.44	4.73	5.49	7.73	3.94	2.35	1.41	1.77	48.58
1908..	2.17	4.15	7.76	3.64	5.18	2.59	6.41	2.36	0.51	1.61	0.86	2.28	39.52
Mean	3.67	3.01	3.94	3.36	3.48	4.54	4.33	3.09	2.84	2.62	2.27	2.97	40.52

CRESTON, W. VA.—WIRT COUNTY.

Elevation, 645 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	......	......	......	......	......	......	......	......	0.99	1.73	4.81	1.98	......
1901..	2.15	0.94	3.12	9.87	4.92	7.61	1.05	3.80	3.06	0.08	2.60	4.39	43.59
1902..	1.72	2.08	3.93	2.77	1.75	4.00	3.17	1.12	1.23	2.57	2.65	6.53	33.52
1903..	2.55	4.74	3.79	5.28	1.96	4.50	3.12	1.08	1.08	2.93	2.90	2.00	35.93
1904..	2.12	2.11	4.87	2.39	1.54	5.86	1.12	0.76	0.60	0.37	0.07	1.63	23.44
1905..	1.83	1.79	3.51	2.06	4.91	3.74	4.35	4.50	3.27	5.72	2.99	1.30	39.97
1906..	3.75	2.73	4.93	2.50	1.61	4.82	2.29	2.98	3.63	2.52	1.90	5.46	39.12
1907..	7.29	2.19	4.56	3.38	3.86	5.13	4.78	4.49	2.74	2.44	2.05	1.96	44.87
1908..	0.91	1.86	6.45	4.83	8.43	2.55	8.99	5.63	1.94	2.36	0.85	2.87	47.67
Mean	2 79	2.30	4.40	414	3.62	4.78	3.61	3.04	2.06	2.30	2.31	3.12	38.47

CAIRO, W. VA.—RITCHIE COUNTY.

Elevation, 667 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899..	......	......	......	......	5.85	7.13	4.53	5.47	3.75	......	......	......	......
1900..	......	......	......	......	....	5.15	......	......	0.85	......	3.78	......	......
1901..	......	......	......	......	......	......	......	......	......	......	......	......	......
1902..	2.10	......	......	......	1.30	4.00	0.71	1.09	0.51	......	2.40	4.36	......
1903..	3.21	4.77	3.30	6.19	2.40	5.37	2.00	3.00	2.45	3.29	3.25	2.30	41.53
1904..	2.75	2.43	4.80	3.31	1.82	6.12	2.27	1.17	1.32	1.75	0.49	3.03	31.26
1905..	3.26	2.25	2.80	2.26	5.00	4.26	3.28	1.93	2.14	8.26	5.67	5.24	46.35
1906..	4.31	2.32	6.91	3.44	1.77	5.72	7.19	5.82	2.99	2.86	2.32	6.04	51.69
1907..	10.42	3.39	6.57	3.45	4.47	3.75	6.04	4.41	5.88	2.50	4.21	3.96	59.05
1908..	2.60	4.62	7.13	4.28	5.65	2.29	5.56	2.37	1.40	2.04	1.50	3.99	43.43
Mean	4.09	3.30	5.25	3.82	3.53	4.87	3.95	3.16	2.37	3.45	2.95	4.13	45.33

OHIO RIVER, OR WESTERN GROUP.

NEW MARTINSVILLE, W. VA.—WETZEL COUNTY.

Elevation, 634 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892..	......	......	......	......	......	......	4.40	2.04	2.60	0.61	......	2.93	......
1893..	2.94	6.30	0.89	5.06	6.15	4.11	2.59	3.49	1.67	5.12	1.80	2.57	42.69
1894..	2.48	3.26	2.77	3.51	3.40	2.41	1.74	1.88	1.25	2.40	1.98	3.60	30.68
1895..	4.76	0.70	2.39	2.84	1.84	2.27	4.14	3.32	1.98	1.72	2.70	3.93	32.59
1896..	1.91	2.78	3.90	2.07	3.06	6.81	15.09	2.26	4.28	2.18	3.32	2.20	49.86
1897..	1.48	5.91	3.32	3.79	3.21	4.16	7.33	1.89	0.55	0.18	6.69	4.39	42.90
1898..	5.70	1.88	3.67	3.53	4.54	2.34	6.33	7.56	2.04	5.27	3.22	2.79	48.87
1899..	3.88	2.81	5.70	1.75	3.17	3.57	4.29	1.40	6.35	1.56	2.55	3.41	40.44
1900..	3.29	4.26	3.36	1.42	3.47	3.38	3.84	3.30	0.34	1.45	5.38	1.82	35.31
1901..	2.07	0.47	3.44	6.31	5.07	3.87	4.96	2.49	2.72	0.39	2.76	4.28	38.83
1902..	2.65	1.62	3.71	4.12	1.34	5.59	4.91	2.64	2.88	2.70	3.08	5.32	40.56
1903..	3.00	6.38	4.85	3.95	2.95	4.02	3.44	1.26	1.05	2.05	2.30	2.37	37.62
1904..	1.95	1.93	5.14	2.67	1.97	4.47	3.45	1.54	1.92	2.01	0.12	3.09	30.26
1905..	2.42	1.94	4.77	3.76	4.47	2.94	3.20	3.69	2.69	4.70	3.29	3.92	41.79
1906..	3.31	1.52	4.43	3.46	2.95	5.11	3.77	3.61	2.58	2.79	1.78	5.42	40.73
1907..	6.69	1.92	8.50	3.78	5.26	4.92	6.91	2.70	5.71	2.98	2.71	3.50	55.58
1908..	2.35	3.45	5.89	5.17	6.39	1.55	6.79	0.92	1.69	2.31	0.99	3.03	40.53
Mean	3.18	2.95	4.17	3.57	3.70	3.84	5.13	2.71	2.49	2.38	2.79	3.45	40.36

SMITHFIELD, W. VA.—WETZEL COUNTY.

Elevation, 850 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903..	......	......	5.51	....	2.19	4.48	3.62	.....	......	......	......	....	......
1904..	......	......	......	......	......	......	......	....	.....	0.98	0.44	3.00	......
1905..	3.36	1.50	3.29	3.72	3.91	7.45	5.50	6.04	2.99	6.04	2.81	3.88	50.49
1906..	4.07	1.60	4.93	3.79	1.79	4.17	2.94	3.17	2.84	2.73	2.84	7.38	42.25
1907..	8.13	2.25	5.93	3.21	2.46	3.71	8.09	5.49	2.75	2.73	3.25	3.77	51.77
1908.,	3.12	5.07	6.91	3.36	8.13	1.47	6.93	3.12	1.70	1.38	1.70	4.77	47.66
Mean	4.67	2.60	5.31	3.52	3.70	4.26	5.42	4.46	2.57	2.77	2.21	4.56	46.05

CENTRAL STATION, W. VA.—DODDRIDGE COUNTY.

Elevation, 953 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891..	2.60	......	......	......	......	......	......	......	......	1.68	1.57	......	......
1892..	......	......	......	......	......	4.37	7.20	1.94	2.91	1.11	4.07	2.59	......
1893..	3.92	6.70	1.48	5.70	3.37	4.18	3.86	4.90	2.48	4.66	2.62	2.17	46.04
1894..	4.09	3.57	2.50	2.68	4.02	4.15	0.65	2.64	2.42	1.90	2.97	4.14	35.73
1895..	......	......	2.39	2.10	0.79	2.62	3.68	1.44		......	......	......	......
1896..	......	......	.. ..	.....	..	......	......	......	.....	......	......	......	......
1897..	......	......	......	......	......	......	......		...	......	......	......	.....
1898..	......	......	......	......	.....	......	..	......	......	......	....	......	......
1899..	......	......	......	......	......	......	......	......	......	1.68	1.57	3.11	......
1900..	2.60	3.77	3.37	1.08	3.41	4.60	5.30	2.09	0.55	1.78	4.87	1.76	35.18
1901..	2.00	0.61	3.38	8.86	5.26	4.29	3.87	3.91	4.23	0.78	2.81	4.67	44.67
1902.	3.45	2.08	3.00	3.47	2.98	6.99	4.13	2.36	3.68	1.44	3.29	5.64	42.51
1903..	2.09	6.48	4.00	4.84	5.23	4.22	3.70	2.50	2.05	3.00	3.51	2.17	43.79
1904..	2.27	1.92	3.37	2.56	1.99	6.07	2.78	1.69	1.65	1.19	0.36	3.37	29.22
1905..	3.19	2.20	3.89	2.63	4.27	2.86	3.56	4.30	2.79	7.02	3.57	3.51	43.79
1906..	3.60	1.40	3.98	3.18	2.00	4.58	3.32	4.72	2.76	1.86	2.34	4.51	38.25
1907..	7.94	1.77	3.00	2.73	3.28	4.54	7.22	4.32	6.88	2.50	3.21	3.51	51.02
1908..	2.11	3.16	5.30	3.33	5.72	1.93	5.79	1.82	0.59	1.49	0.80	2.80	34.84
Mean	3.32	3.06	3.31	3.60	3.53	4.26	4.24	2.07	2.75	2.29	2.68	3.38	39.39

1891 not given in Signal Service Records.

BEN'S RUN, W. VA.—PLEASANTS COUNTY.

Elevation, 622 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1900..	......	......	......	......	......	......	......	......	......	1.44	5.55	1.91	......
1901..	1.48	1.13	3.35	6.91	6.44	5.73	6.21	2.49	4.37	0.45	2.53	5.61	46.70
1902..	3.00	2.22	4.29	3.75	3.27	6.52	2.08	3.80	2.73	2.21	3.82	6.64	44.33
1903..	3.86	5.95	5.00	6.34	5.19	4.94	4.28	3.48	1.31	3.47	2.53	2.50	48.85
1904..	2.12	2.87	6.10	3.70	2.21	4.37	2.57	0.72	2.43	1.14	0.15	3.02	31.40
1905..	2.49	2.21	5.37	3.71	6.81	2.92	5.68	3.96	2.75	5.98	3.09	3.64	48.61
1906..	3.42	2.10	5.06	3.62	6.89	5.82	3.27	8.62	1.64	3.22	2.52	5.60	51.78
1907..	8.36	2.88	6.81	3.78	5.25	6.64	7.83	4.24	3.91	3.41	2.50	4.13	59.74
1908..	2.24	4.30	6.65	3.93	6.71	2.23	7.72	2.07	0.48	2.52	1.02	3.76	43.63
Mean	3.37	2.96	5.33	4.47	5.35	4.90	4.96	3.67	2.45	2.65	2.63	4.09	46.83

Josiah changed to Ben's Run in 1903.

PARKERSBURG, W. VA.—WOOD COUNTY.

Elevation, 638 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1885..	6.75	2.70	0.80	3.70	1.05	1.30	2.17	6.46	2.02	2.13	1.62	1.62	32.32
1886..	1.82	1.40	4.39	2.86	5.29	4.42	4.31	2.52	1.94	0.83	4.78	1.98	36.54
1887..	1.54	7.42	1.77	5.00	3.05	4.75	2.40	0.88	2.77	0.61	1.53	2.23	33.95
1888..	4.75	1.72	2.30	2.55	3.96	2.52	10.33	6.71	5.19	4.95	4.13	1.62	50.73
1889..	3.03	2.88	1.66	2.72	2.80	4.03	7.66	1.54	3.12	1.82	4.96	1.89	38.16
1890 ..	4.30	5.67	6.95	3.41	6.57	4.84	6.06	5.84	8.41	3.85	2.57	4.20	62.67
1891..	4.10	4.61	4.66	2.20	1.53	3.93	5.67	5.38	1.72	2.07	3.46	2.51	41.84
1892..	4.91	3.17	2.80	3.72	4.91	4.55	3.29	2.13	2.85	0.74	2.55	2.53	38.15
1893..	4.09	5.92	2.00	4.59	4.15	3.47	2.22	4.77	2.57	5.82	2.05	2.57	41.22
1894..	2.64	4.51	2.46	3.47	3.31	6.78	1.18	3.59	1.98	1.35	2.36	3.55	37.18
1895..	5.50	0.99	2.92	1.32	2.22	4.51	2.21	1.88	1.76	1.36	2.26	3.44	30.37
1896..	1.42	3.14	4.58	2.37	1.95	4.22	11.46	4.37	3.86	3.52	3.48	1.56	45 93
1897..	1.76	7.04	3.99	3.56	3.95	6.77	6.68	2.08	0.46	0.07	4.57	2.85	43.78
1898..	5.73	2.24	5.43	2.17	2.76	4.98	4.38	4.66	2.09	3.90	2.50	2.36	43.20
1899..	3.87	2.96	5.39	1.59	3.17	4.16	3.56	1.46	4.88	1.44	1.76	2.53	36.77
1900..	2.93	3.47	2.18	0.77	2.64	3.64	5.55	3.32	0.87	1.30	5.50	1.67	33.84
1901..	1.18	1.12	2.21	6.52	4.28	8.16	0.69	2.44	2.96	0.23	1.78	3.57	35.14
1902..	2.42	1.83	3.52	2.85	3.42	4.72	1.85	1.58	2.03	1.43	2.61	4.45	32.71
1903..	2.77	6.23	5.35	4.59	2.87	4.13	4.25	3.82	1.03	2.86	1.94	2.23	42.07
1904..	1.24	1.79	4.44	2.12	2.93	2.97	1.96	1.82	0.79	1.16	0.11	3.01	24.34
1905..	2.34	1.75	3.64	2.13	5.51	3.43	5.26	5.54	3.58	6.48	3.01	2.65	45.32
1906..	2.55	1.34	4.12	2.54	1.89	5.33	5.35	3.32	1.79	2.40	1.78	3.82	36.23
1907..	7.90	1.66	4.88	2.65	3.95	4.98	7.02	3.40	5.16	2.11	1.73	2.63	48.07
1908..	1.44	3.29	6.21	4.07	3.54	2.41	3.32	1.88	0.86	1.57	0.95	2.29	31.83
Mean	3.37	3.29	3.69	3.06	3.40	4.38	4.53	3.39	2.70	2.25	2.67	2.66	39.39

CUBA, W. VA.—JACKSON COUNTY.

Elevation, 544 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	......	......	......	......	......	......	......	......	1.61	4.92	1.80	1.28	......
1894..	2.28	2.98	1.25	2.68	4.04	3.09	0.54	3.20	1.33	1.24	1.70	3.92	28.25
1895..	4.90	0.61	3.38	1.46	2.17	2.37	4.46	2.37	2.69	1.25	1.84	3.06	30.56
1896..	1.43	2.83	3.86	1.42	2.15	3.04	7.83	2.49	......	......	......	......	......
1897..	......	......	......	......	......	......	......	......	......	......	......	......	......
1898..	......	......	......	......	......	......	......	......	......	......	......	......	......
1899..	......	......	......	......	......	......	......	......	......	......	......	......	......
1900..	......	......	... ..	......	......	......	......	......	......	......	......	......	......
1901..	......	......	......	......	......	......	......	......	......	......	......	3.64	... .
1902..	2.11	2.20	3.19	1.96	3.02	4.66	3.37	0.97	3.34	1.68	3.02	5.81	35.33
1903..	2.48	6.94	4.83	5.04	4.29	4.90	4.37	1.97	0.75	3.12	2.89	1.57	43.15
1904..	2.12	1.32	5.47	3.16	2.12	3.44	1.95	0.67	0.46	0.83	0.22	2.91	24.67
1005	2.46	2.07	4.21	3.44	5.19	4.99	4.52	3.86	1.18	6.10	3.92	3.26	45.20
1906..	2.98	1.73	3.18	1.78	1.28	6.15	5.72	2.18	2.65	3.27	2.60	4.40	37.92
1907..	6.31	1.96	5.36	3.42	2.23	4.53	5.31	6.13	3.13	3.21	2.40	3.40	47.39
1908..	1.29	4.63	6.68	5.66	7.05	3.03	4.94	4.26	0.44	1.13	0.81	1.77	41.69
Mean	2.84	2.73	4.14	3.00	3.35	4.02	4.30	2.81	1.76	2.68	2.12	3.18	36.03

Record from September, 1893, to August, 1896, inclusive, for Sandyville, about 5 miles south of Cuba.

POINT PLEASANT, W. VA.—MASON COUNTY.

Elevation, 553 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	......	......	......	......	......	......	......	0.20	2.71	3.15	4.94	1.70	......
1890..	4.01	6.08	7.54	5.05	5.58	2.82	4.48	10.26	5.83	4.20	2.97	4.26	63.08
1891..	3.59	5.72	5.29	2.09	1.96	5.92	4.82	3.41	1.32	1.73	3.44	2.79	42.08
1892..	3.50	2.90	3.47	4.28	4.55	3.98	7.68	1.85	2.02	0.60	2.35	2.21	39.39
1893..	3.31	4.91	1.69	6.26	2.63	5.70	1.37	3.53	1.74	6.26	2.26	1.79	41.45
1894..	1.32	3.31	2.36	2.64	4.70	2.75	0.82	1.75	1.87	1.25	1.04	3.83	27.64
1895..	4.98	0.94	3.14	1.78	1.42	3.17	4.01	2.73	1.76	1.01	2.51	3.51	30.96
1896..	1.59	3.24	4.76	1.84	2.18	3.08	8.21	5.05	3.79	2.45	2.87	1.15	40.21
1897..	1.89	8.18	3.32	3.77	4.45	5.46	5.07	4.82	1.40	0.40	6.40	3.42	48.58
1898..	8.04	1.93	5.81	1.48	3.51	2.87	2.79	6.40	2.07	3.15	2.67	2.57	43.29
1899..	5.29	2.93	6.54	2.08	3.37	4.95	4.15	2.17	3.45	1.13	1.63	2.96	40.65
1900..	3.60	5.26	2.37	0.86	3.71	5.81	3.54	4.14	1.90	1.36	6.96	1.99	41.50
1901..	1.50	1.33	2.35	6.91	5.84	7.29	0.71	1.64	2.29	0.20	2.57	4.38	37.01
1902..	4.21	2.75	3.56	2.31	4.12	6.59	1.57	1.55	2.85	2.63	3.16	6.38	41.68
1903..	2.65	6.41	4.35	4.78	2.28	3.47	3.27	0.99	2.44	3.76	2.64	1.68	38.72
1904..	1.58	1.80	5.36	2.64	2.31	2.12	2.46	3.32	1.11	0.42	0.20	2.88	26.20
1905..	2.22	2.38	4.81	3.10	7.96	4.46	6.19	3.38	0.54	5.60	4.01	3.71	48.39
1906..	3.72	2.25	4.82	1.36	1.24	7.30	5.12	3.14	1.86	3.56	2.63	4.05	41.05
1907..	6.96	2.43	5.41	2.69	4.24	6.10	3.32	3.74	2.12	1.82	2.47	2.66	43.66
1908..	1.30	4.00	6.86	3.94	4.82	3.72	5.42	2.32	0.49	1.62	1.10	2.13	37.72
Mean	3.43	3.62	4.41	3.15	3.73	4.61	3.95	3.32	2.18	2.32	2.94	3.00	40.66

NORTHERN PORTION OF GREAT KANAWHA BASIN, OR SOUTHERN GROUP.

MARLINTON, W. VA.—POCAHONTAS COUNTY.

Elevation, 2169 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	......	5.49	1.72	2.91	4.47	5.80	......	......	......	5.32	1.99	1.91	......
1894..	1.81	3.39	1.84	2.06	......	2.69	......	......	......	......	1.84	......	......
1895..	......	1.05	1.46	4.41	2.40	......	......	......	......	1.35	1.82	4.14	45.76
1896..	1.45	5.26	6.99	1.82	3.74	3.71	7.80	3.28	4.48	1.22	4.93	1.08	47.62
1897..	2.17	5.88	5.21	2.85	7.06	5.59	5.65	2.74	0.80	0.95	4.08	4.64	60.74
1898..	5.61	1.47	5.23	4.32	5.27	7.50	6.76	9.15	3.33	4.54	3.85	3.71	41.93
1899..	3.26	5.32	6.28	1.60	7.68	1.92	2.95	3.43	4.01	1.56	0.83	3.09	45.18
1900..	1.99	5.22	4.92	2.25	2.80	5.32	5.69	2.42	2.57	1.90	7.11	2.99	......
1901..	3.58	0.97	3.06	6.13	5.11	8.77	3.59	8.03	......	......	......	......	......
1902..	......	......	......	......	......	......	......	......	3.69	......	......	......	......
1903..	......	......	......	4.04	1.79	4.55	2.98	3.30	1.83	1.52	0.93	2.44	......
1904..	4.11	3.10	......	1.12	3.43	2.98	......	......	......	......	......	......	......
1905..	......	......	3.27	2.05	3.91	7.57	8.25	2.60	......	......	......	......	......
1906..	......	......	......	......	......	......	......	......	......	......	......	......	......
1907..	......	......	......	......	......	......	......	......	......	......	......	......	......
1908..	......	3.22	......	......	......	......	......	......	......	......	......	......	......
Mean	3.00	3.67	4.00	2.96	4.33	5.13	5.46	4.37	2.96	2.30	3.04	3.00	44.22

SUTTON, W. VA.—BRAXTON COUNTY.

Elevation, 843 feet.

1900..	......	......	......	......	6.30	5.62	......	4.41	5.13	......	......	......	......
1901..	4.79	2.39	3.25	12.07	8.82	8.77	2.90	5.50	3.68	1.95	2.10	7.22	63.44
1902..	......	......	......	1.95	5.11	5.21	3.35	1.15	2.54	......	5.32	8.04	......
1903..	......	9.59	5.94	5.81	......	2.93	3.54	......	1.21	1.04	2.77	......	......
1904..	......	......	3.16	5.86	3.15	......	1.01	......	......	......	......	......	......
1905..	......	......	......	......	3.77	4.28	5.34	3.40	1.65	4.76	2.75	3.76	......
1906..	5.10	1.55	6.52	4.24	5.55	4.66	5.05	4.96	4.90	3.25	3.10	5.50	54.38
1907..	9.20	2.02	4.60	5.77	3.79	7.47	10.45	5.10	5.90	2.75	5.01	3.70	65.76
1908..	4.00	4.25	5.40	3.14	5.75	3.90	6.05	1.50	1.05	1.39	1.58	2.38	40.39
Mean	5.77	3.96	4.81	5.55	5.28	6.60	4.71	3.72	3.26	2.52	3.23	5.10	54.51

Record from 1900 to 1904, inclusive, for Chapel, about 8 miles northwest of Sutton.

VALLEY FORK, W. VA.—CLAY COUNTY.

Elevation, 790 feet.

1901..	......	......	5.45	10.70	6.45	......	3.80	8.43	7.55	......	......	......	......
1902..	2.30	4.47	5.05	......	......	4.66	......	......	3.63	......	4.55	3.83	......
1903..	2.95	8.72	3.80	6.09	3.60	4.21	2.17	4.05	0.47	2.71	3.44	3.22	45.43
1904..	3.28	2.88	4.49	4.40	3.30	4.17	5.32	2.41	1.27	1.51	0.50	2.81	36.34
1905..	3.60	1.37	5.17	2.08	4.97	4.47	6.93	7.81	1.49	4.42	1.96	2.77	47.04
1906..	4.60	2.33	5.74	2.51	2.97	4.17	......	......	......	......	......	......	......
1907..	......	......	......	......	......	......	5.70	4.35	4.30	3.85	2.40	1.76	......
1908..	2.14	3.30	4.68	2.33	2.73	2.03	9.43	1.80	0.76	1.01	0.85	3.96	35.02
Mean	3.14	3.84	4.91	4.68	4.00	3.95	5.56	4.81	2.78	2.70	2.28	3.06	45.71

Record from March, 1901, to February, 1903, inclusive, for Clay, about 8 miles southeast of Valley Fork.

RYAN, W. VA.—ROANE COUNTY.

Elevation, 750 feet.

1902..	......	......	......	......	......	......	......	......	......	......	3.89	6.17	......
1903..	2.78	7.14	3.81	5.85	2.40	2.30	2.79	1.72	0.24	2.59	2.35	1.89	35.86
1904..	2.18	2.30	4.66	3.43	2.32	3.75	1.94	3.27	1.40	1.61	0.18	2.52	29.56
1905..	2.72	2.32	4.56	3.57	4.17	5.34	4.69	5.59	1.11	6.66	2.98	3.47	47.18
1906..	2.95	2.20	4.94	2.08	4.04	4.99	3.65	2.79	3.53	2.59	2.44	4.48	40.68
1907..	7.66	2.68	5.13	3.75	4.63	6.58	6.32	6.72	4.40	2.34	2.65	2.85	55.71
1908..	1.98	4.18	7.81	4.33	4.00	2.43	7.33	3.89	0.46	2.28	0.78	2.98	42.45
Mean	3.38	3.47	5.15	3.84	3.59	4.23	4.45	4.00	1.86	3.01	2.18	3.48	42.64

MEAN RELATIVE HUMIDITY.

Stations.		Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
		Yrs.													
Parkersburg ...	8 a. m.	20	83	83	81	75	75	78	79	82	84	83	82	82	81
	8 p. m.		77	76	70	62	64	69	67	69	70	69	72	76	70
Elkins	8 a. m.	10*	84	84	83	81	81	85	88	91	93	90	86	85	86
	8 p. m.		77	73	72	66	68	76	80	82	83	76	75	79	75

* The 8 p. m. averages are for only 8 years.

PREVAILING WIND DIRECTION.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs.													
Buckhannon	14	w	w	w	w	w	w	w	w	w	w	w	w	w
Grafton..................	16	sw	sw	w	sw	sw	sw	sw	sw	sw	w	sw	sw	sw
Morgantown	16	w	w	w	w	w	w	s	w	w	w	w	w	w
Elkins	9	w	w	w	w	w	n	w	n-w	n	n-w	w	w	w
Parsons	9	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Terra Alta...............	9	w	w	w	w	w	sw	w	w	w	w	w	w	w
Central Station..........	11	w	w	w	w	w	w	w	w	w	w	w	w	w
Glenville	16	nw	nw	nw	sw	sw	sw	sw	sw	sw	sw	nw	nw	sw
Parkersburg	20	s	nw	w	nw	s	s	s	s	se	se	se	s	s
Point Pleasant..........	16	sw	sw	sw	se	se	se	sw	sw	se	se	se	sw	sw-se

AVERAGE HOURLY WIND MOVEMENT.

	Yrs.												
Parkersburg	20	6.6	7.4	7.2	6.6	5.2	4.6	4.4	4.1	4.2	5.0	5.8	6.3	5.6
Elkins.....................	10	5.2	5.8	5.8	5.2	4.1	3.4	3.0	2.8	2.8	3.3	4.2	5.1	4.3

AVERAGE SNOWFALL.

Monongahela Basin Group	Yrs.												
Buckhannon	16	11.4	12.2	9.3	5.6	T.	0	0	0	0	T.	3.8	7.4	49.7
Elkins.....................	10	14.8	13.1	8.1	6.2	T.	0	0	0	0	0.6	4.2	8.1	55.1
Grafton..................	16	11.1	9.0	8.5	3.3	0.2	0	0	0	0	0.4	2.8	7.0	42.3
Lost Creek...............	14	7.4	6.0	6.2	1.5	T.	0	0	0	0	T.	1.3	4.7	27.1
Morgantown	16	8.8	5.6	6.1	2.4	T.	0	0	0	0	T.	0.8	6.9	30.6
Parsons	10	11.6	14.2	6.6	3.4	0	0	0	0	0	0.5	2.8	6.9	46.0
Philippi	11	11.9	11.4	10.7	2.2	T.	0	0	0	0	0.1	3.6	7.9	47.8
Pickens	16	22.6	17.5	9.5	12.2	0.4	T.	0	0	0	1.0	7.8	18.6	89.6
Terra Alta...............	10	26.3	12.6	14.9	12.4	T.	0	0	0	0	0.7	5.9	13.2	86.0
Little Kanawha Basin Group													
Cairo	8	9.4	5.8	2.1	1.0	0	0	0	0	0	T.	1.3	6.6	26.2
Glenville	16	9.9	10.5	5.5	1.5	T.	0	0	0	0	T.	1.3	5.7	34.4
Ohio River, or Western Group													
New Martinsville.........	16	7.5	4.6	4.6	0.9	0	0	0	0	0	T.	0.5	4.0	22.1
Ben's Run................	8	10.4	9.1	7.9	4.4	T.	0	0	0	0	0.3	1.5	5.6	39.2
Central Station..........	11	8.6	7.5	5.7	2.4	T.	0	0	0	0	0.1	1.0	5.9	31.2
Parkersburg	20	7.6	7.6	6.1	1.4	T.	0	0	0	0	T.	0.1	5.0	27.8
Point Pleasant	16	5.9	5.3	3.8	0.6	T.	0	0	0	0	0	0.5	2.1	18.2
Northern Portion Great Kanawha Basin, or Southern Group													
Marlinton................	9	6.4	11.4	6.9	0.8	T.	0	0	0	0	0	2.2	6.6	34.3
Ryan	7	8.0	11.4	2.3	1.6	T.	0	0	0	0	0.2	1.4	6.5	31.4

Average Number of Days with .01 or More of Precipitation.

Monongahela Basin Group	Yrs.												
Buckhannon	16	10	11	11	10	11	10	11	10	9	6	8	10	117
Elkins	10	19	18	17	15	15	16	15	13	10	9	12	17	176
Grafton..................	16	15	14	15	14	14	14	14	11	9	9	11	13	153
Lost Creek	14	11	11	11	11	10	11	12	8	6	6	8	11	116
Morgantown	16	10	8	11	11	10	12	12	10	7	7	7	8	113
Parsons	10	8	8	8	7	7	10	8	7	5	4	5	7	84
Philippi	11	14	13	14	13	12	14	12	12	9	9	11	14	147
Pickens	16	14	13	14	12	13	13	12	11	8	8	9	13	140
Terra Alta...............	10	10	10	12	10	9	13	12	9	7	8	8	13	121
Little Kanawha Basin Group													
Cairo	8	13	12	13	13	9	13	10	8	7	9	8	14	129
Glenville	16	13	12	14	12	12	12	11	9	7	7	9	12	130
Ohio River, or Western Group													
New Martinsville	16	10	10	10	10	10	10	10	8	6	6	8	10	108
Ben's Run..	8	12	10	14	12	11	11	10	8	6	7	7	12	120
Central Station..........	11	14	12	14	11	11	13	10	9	8	7	9	13	131
Parkersburg	20	15	13	16	13	12	14	12	10	8	9	11	13	146
Point Pleasant..........	16	12	10	13	12	12	12	10	9	6	7	9	12	124
Northern Portion Great Kanawha Basin, or Southern Group													
Marlinton............	9	8	9	11	8	10	12	13	10	7	5	8	8	109
Ryan	7	16	14	15	15	14	14	14	12	7	9	9	15	154

FROST DATA.

Stations.	Length of Record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
MONONGAHELA BASIN GROUP	Yrs.				
Buckhannon	16	October 6	April 27	September 21	May 11
Elkins	10	October 10	May 18	September 28	May 24
Grafton	16	October 7	April 30	September 21	May 22
Lost Creek	14	October 5	May 6	September 15	May 28
Morgantown	16	October 13	May 1	October 2	May 22
Parsons	10	October 7	May 10	September 22	May 29
Philippi	11	October 9	May 8	September 15	May 28
Pickens	16	October 14	May 9	October 9	May 29
Terra Alta	10	October 1	May 11	September 15	May 28
LITTLE KANAWHA BASIN GROUP					
Glenville	16	October 13	April 30	October 1	May 29
OHIO RIVER, OR WESTERN GROUP					
New Martinsville	16	October 14	April 28	October 1	May 22
Ben's Run	8	October 16	April 24	October 2	May 10
Central Station	11	October 7	May 10	September 15	May 28
Parkersburg	20	October 11	April 15	September 24	May 22
Point Pleasant	16	October 20	April 20	October 1	May 23
NORTHERN PORTION GREAT KANAWHA BASIN, OR SOUTHERN GROUP					
Marlinton	10	October 1	May 2	September 21	May 28

HIGHEST TEMPERATURES.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
MONONGAHELA BASIN GROUP.	Yrs.													
Buckhannon	16	74	77	82	90	92	96	99	95	95	87	78	70	99
Elkins	10	73	74	83	88	90	92	94	92	92	87	78	66	94
Grafton	16	75	80	84	92	92	99	96	96	98	91	79	71	99
Lost Creek	14	77	80	85	91	93	97	99	97	97	91	81	71	99
Morgantown	16	76	80	90	93	94	99	101	105	102	94	80	80	105
Parsons	10	75	76	83	87	92	95	95	94	93	86	78	70	95
Philippi	11	77	82	85	91	93	97	100	95	99	94	80	71	100
Pickens	16	68	72	80	86	95	93	96	92	94	88	77	70	96
Terra Alta	10	72	75	81	85	86	92	90	94	90	86	76	62	94
LITTLE KANAWHA BASIN GROUP														
Cairo	8	77	80	90	93	98	98	99	100	102	90	78	68	102
Glenville	16	74	76	86	92	98	97	100	99	99	93	81	70	100
OHIO RIVER, OR WESTERN GROUP														
New Martinsville	16	79	78	88	96	97	99	104	100	99	97	79	74	104
Ben's Run	8	75	71	84	88	94	97	101	95	96	93	79	71	101
Central Station	11	76	80	86	90	96	102	98	98	97	91	78	70	102
Parkersburg	20	74	76	86	93	94	96	102	98	99	90	78	72	102
Point Pleasant	16	77	75	86	95	98	102	102	99	100	90	82	70	102
NORTHERN PORTION GREAT KANAWHA BASIN. OR SOUTHERN GROUP														
Marlinton	10	79	71	85	93	96	100	92	90	90	83	82	67	100
Ryan	7	78	75	86	89	98	97	96	97	95	90	81	70	98

MEAN TEMPERATURES.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
MONONGAHELA BASIN GROUP	Yrs.													
Buckhannon	16	31.0	30.1	42.0	50.7	62.8	69.2	72.7	70.5	64.9	52.8	40.8	33.3	51.7
Elkins	10	30.3	27.0	41.8	47.3	59.5	65.9	70.3	69.1	63.2	52.0	39.8	31.4	49.8
Grafton	16	31.6	29.6	42.8	50.9	61.9	68.7	72.6	71 3	66.6	54.8	43.0	34.1	52.3
Lost Creek	14	32.8	29.4	44.4	49.2	61.4	68.4	72.8	70.8	65.7	54.2	42.2	33.5	52.1
Morgantown	16	31.6	29.9	43.2	50.8	62.6	69.0	73.8	72.3	68.2	54.9	43.2	34.4	52.8
Parsons	10	31.2	27.2	41.0	47.7	59.6	66.4	70.7	69.5	63.4	52.5	41.6	31.7	50.2
Philippi	11	31.4	29.7	43.7	50.1	61.9	67.9	72.6	71.8	65.5	53.8	43.4	33.2	52.1
Pickens	16	30.8	32.0	40.5	47.9	58.8	65.3	69.3	67.1	62.0	51.9	40.5	32.7	49.9
Terra Alta	10	27.5	24.4	39.5	46.5	59.3	65.1	68.9	67.7	63.1	52.1	41.4	29.6	48.8
LITTLE KANAWHA BASIN GROUP														
Cairo	8	34.4	29.7	47.4	54.8	64.5	70.3	73.9	72.9	67.6	56.2	43.2	34.0	54.1
Glenville	16	31.9	30.6	44.1	52.4	63.1	70.2	74.2	73 0	67.3	54.6	43 2	34.8	53.3
OHIO RIVER, OR WESTERN GROUP														
New Martinsville	16	32.3	31.0	44.1	52.7	63.8	71.6	75.6	74.1	68.8	56.3	44.4	35.0	54.1
Ben's Run	8	31.2	29.2	44.6	50.8	63.7	70.3	75.4	73.7	68.2	55.4	42.8	33.1	53.2
Central Station	12	32.4	29.2	43.8	50.5	62.3	69.8	73.7	71.8	66.8	54.8	41.8	33.3	52.5
Parkersburg	20	32.8	32.1	43.3	52.8	63.5	71.7	75.0	73.5	67.8	55.0	43.7	35.9	53.9
Point Pleasant	16	33.3	32.4	46.2	54.8	66.1	73.3	76.8	74.9	69.9	57.4	45.1	35.4	55.5
NORTHERN PORTION OF GREAT KANAWHA BASIN, OR SOUTHERN GROUP														
Marlinton	10	28.6	28.9	40.0	47.4	59.4	66 7	70.0	68.6	62.3	50.5	38.6	30.4	49.3
Ryan	7	33.9	32.0	47.4	52.0	63.4	68.8	73.0	72.0	66.7	53.2	43.3	34.6	53.4

LOWEST TEMPERATURES.

MONONGAHELA BASIN GROUP	Yrs.													
Buckhannon	16	-18	-31	1	5	26	37	42	42	30	16	0	-12	-31
Elkins	10	-18	-21	0	14	25	36	44	42	26	16	5	- 6	-21
Grafton	16	-13	-27	0	9	21	38	43	42	31	17	7	- 5	-27
Lost Creek	14	-20	-35	-1	2	25	36	40	39	29	17	3	-16	-35
Morgantown	16	-11	-25	-4	8	28	37	44	44	33	15	9	-16	-25
Parsons	10	-16	-21	-2	15	25	34	45	40	30	19	2	- 6	-21
Philippi	11	-16	-28	-3	9	21	32	41	40	27	17	-1	-14	-28
Pickens	16	-13	-24	-4	10	27	36	38	39	30	14	0	-13	-24
Terra Alta	10	- 7	-24	-11	12	25	33	33	34	29	19	5	-11	-24
LITTLE KANAWHA BASIN GROUP														
Cairo	8	-14	-16	12	15	28	40	42	40	31	15	5	-12	-16
Glenville	16	-18	-29	-2	11	27	40	45	46	35	15	10	-11	-29
OHIO RIVER, OR WESTERN GROUP														
New Martinsville	16	-12	-25	4	19	29	32	40	45	33	20	11	- 4	-25
Ben's Run	8	- 7	- 4	4	20	31	42	50	48	36	25	12	- 3	- 7
Central Station	11	-14	-16	-4	16	25	38	44	41	28	18	7	-13	-16
Parkersburg	20	-11	-27	4	20	31	42	48	45	33	20	15	- 5	-27
Point Pleasant	16	-14	-26	4	21	31	44	47	50	35	19	14	- 5	-26
NORTHERN PORTION GREAT KANAWHA BASIN, OR SOUTHERN GROUP														
Marlinton	10	-11	-23	1	16	25	37	42	42	29	10	3	-15	23
Ryan	7	-11	-19	7	17	29	41	45	44	30	17	6	-14	-19

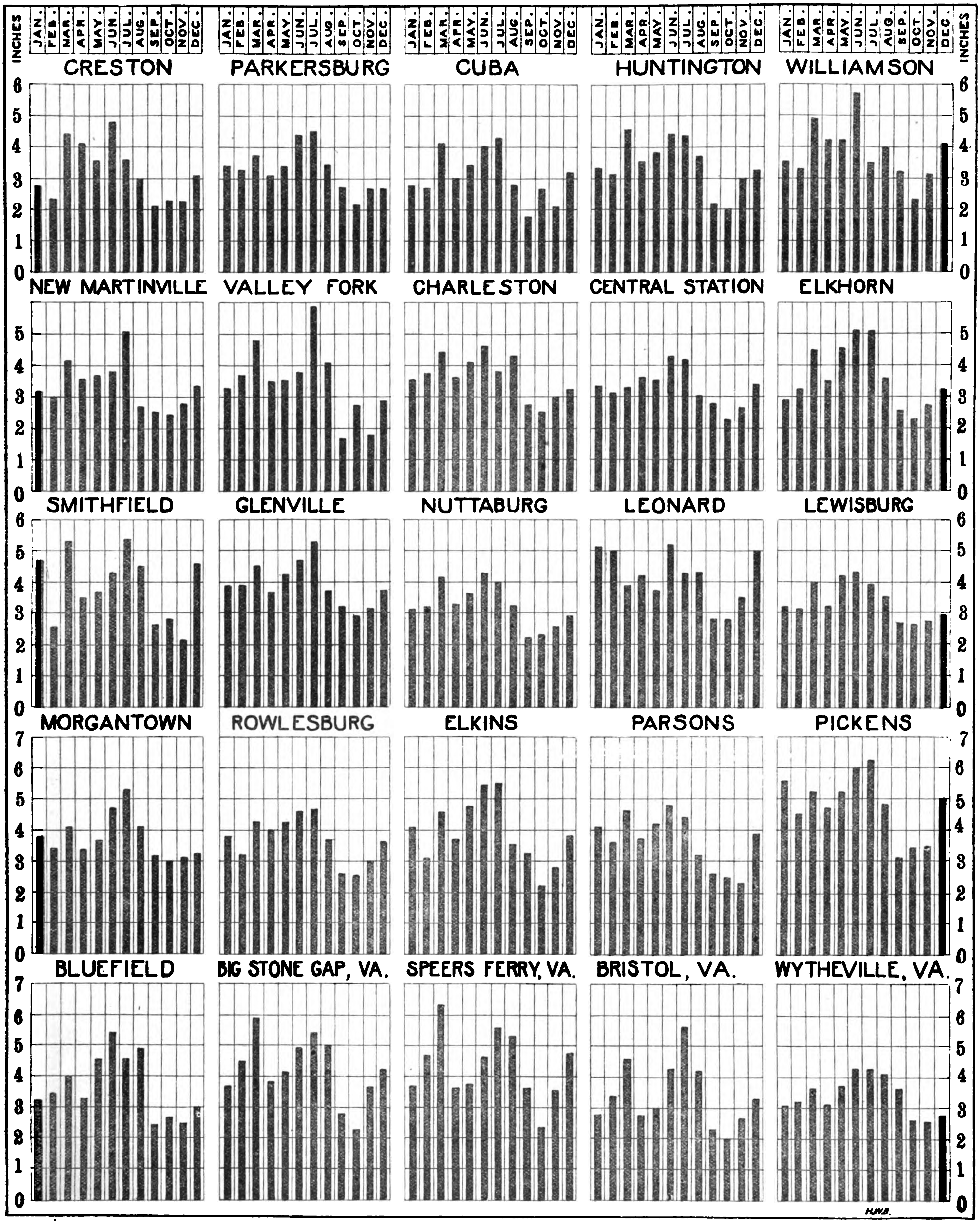


Fig. 1.—Diagrams showing the comparative monthly distribution of precipitation.

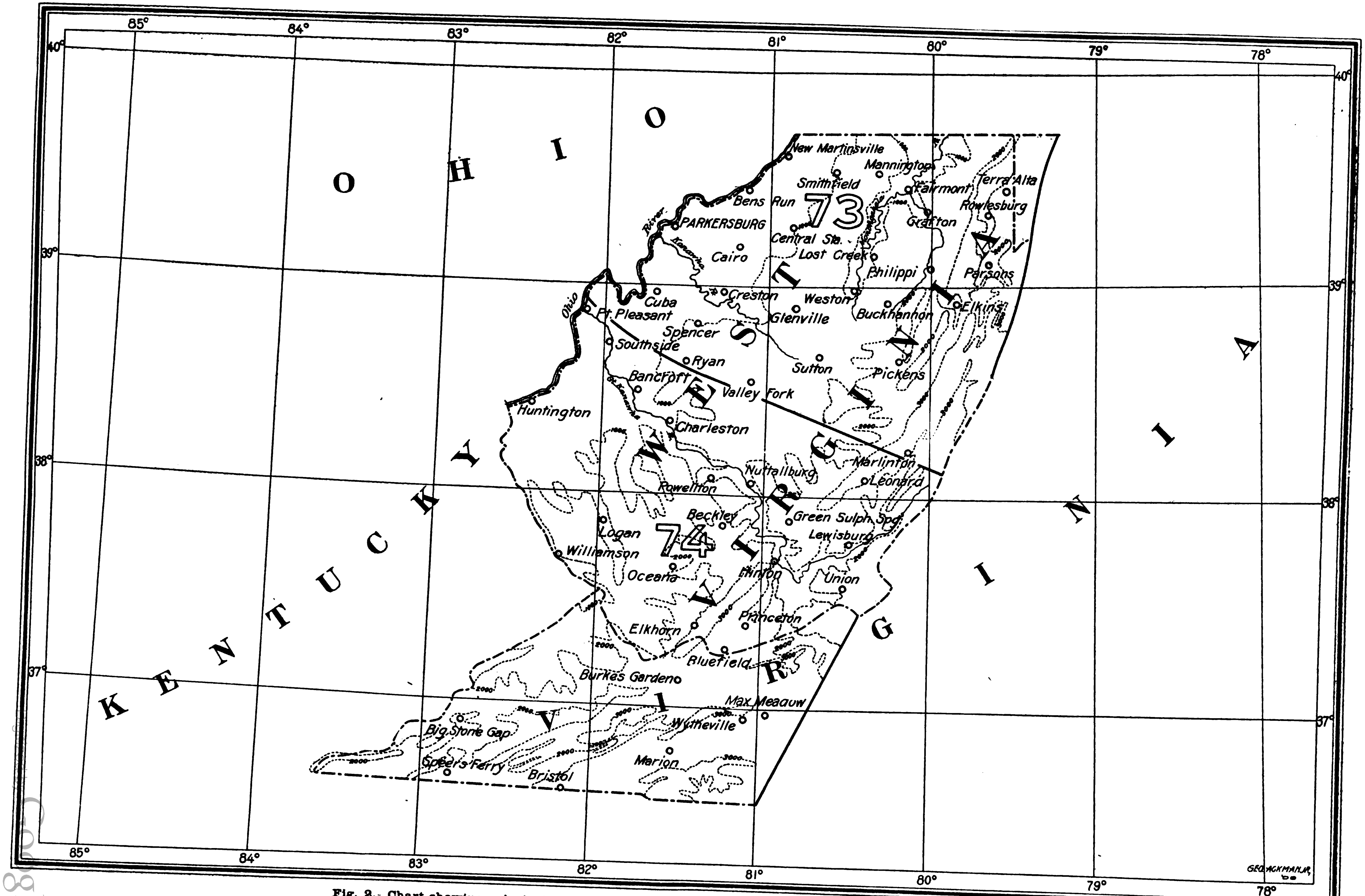


Fig. 2.- Chart showing principal points of observation, the drainage basins, and the general elevation.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION No. 74.—SOUTHERN WEST VIRGINIA AND SOUTHWESTERN VIRGINIA.

This section is in the Ohio basin and includes the southern third of West Virginia and the southwestern portion of Virginia. It lies mostly between the parallels 36 degrees 30 minutes and 38 degrees 30 minutes north latitude and has an area of about 12,000 square miles.

Considered physically, the section is a plateau, the greater part of which slopes northwestward. The southwestern portion, however, slopes southward and is in the upper basin of the Tennessee river.

The Appalachian Mountains extend in a northeasterly direction through the eastern portion of the district, where peaks rise to elevations of from 2,000 to about 4,390 feet. The elevations along the western border range from about 2,000 feet in the south to 550 feet at the mouth of the Big Sandy river. Most of the surface of this area is studded with hills and mountains which slope more or less precipitously to river-beds.

The basins of three of the principal tributaries of the Ohio river lie mostly in the district. The Great Kanawha river, rising in the mountains of western North Carolina, just south of the district, flows northwestward to the Ohio, a distance of about 450 miles. This river cuts the Appalachian crest near the southeast border of West Virginia. The basin of the Guyandotte river, extending from Mercer county northwestward to the Ohio river in Cabell county, lies wholly in the district, and the basin of the Big Sandy river, also stretching from the southeast portion of West Virginia to the Ohio, lies mostly in the district.

Without considering the picturesque, fertile valleys and extensive woodlands of this area, the practically inexhaustible supply of coal and other minerals in its mountains, from whose sides flow swift, power-affording streams, makes it one of great wealth.

CLIMATIC CHARACTERISTICS.

The climate of this section is variable. Marked differences in temperature and precipitation are not only noted between the western and mountain portions of the area, but the range in weather conditions is also considerable in different sections of the same counties, owing to the physical characteristics of the territory. The seasonal temperature variations, however, are not so marked as in northern West Virginia.

The temperature conditions are conducive to health, periods of uncomfortably warm weather being infrequent and short in the lower altitudes, while in the mountains the summer temperatures are delightful. Occasionally severe cold waves pass over the district, but the temperatures are usually moderate during the winter months.

The precipitation is well distributed throughout the year and is ample for all requirements. Excessive rainfall seldom occurs. Destructive wind storms are practically unknown in the district.

The seasons are nearly of equal length. However, the falls are relatively long and periods of moderately warm weather usually occur during the winter season. In the western portion of the area frosts seldom occur in the spring after May 1, or before October 10 in the fall. The season of growth is also long in the more elevated portions of the section.

The annual precipitation for the entire district averages slightly more than 44 inches, about the same as the average for New York, N. Y., and nearly thrice the average for Colorado. The annual averages for the several stations range from about 34 inches to about 62 inches. The annual amounts at the higher elevations in the Appalachian portion average nearly 50 inches. For the stations on the Great Kanawha river the yearly average is 41 inches, and the averages for the several stations show a range of less than 4 inches, the lightest rainfall occurring over the Appalachian portion of the river. The average precipitation at the mouth of the Great Kanawha river is practically the same as at Wytheville, Va.

The heaviest rainfall occurs in June and the lightest in October; but the June record is nearly equalled by that of March, and the rainfall is moderately light from September to November, inclusive. For the entire section the averages for January, February, and December are practically the same.

The snowfall is light in the western portion of the district, and, as a rule, does not remain on the ground long. Moderate snowstorms are not uncommon in the central and western portions of the district.

The summer rainfall occurs mostly during thunderstorms or as light to moderate showers during the passage of low pressure areas over the northern portion of the country. During the late fall and winter months the greater part of the precipitation occurs during the passage of storm areas from the Southwest northeastward over the central valleys. Occasionally heavy rains occur in the district during the northward movement of Gulf storms.

Considering all the stations in the district that have records of sufficient length to be of value, the average temperature for the year is nearly 54°, about 2° higher than the yearly average for New York, N. Y., although the July and August averages for New York are slightly higher than those of the district under consideration. The range in the annual mean temperatures for the several stations in the district is slightly more than 8°.

July is the warmest month and February is the coldest. Maximum temperatures near 90° or somewhat above occur occasionally in most sections of the district from the middle of May to late into September. At some of the more elevated stations, however, the temperature seldom reaches 90°.

For convenience of study the tables have been arranged in groups. Tables are also given showing the extremes and means of temperature, the occurrence of frost, the average number of days with rain during the various months of the year, and the prevailing wind direction, with diagrams showing the monthly distribution of precipitation.

A special article by the Geological Survey on the drainage system of the area and the estimated horsepower of the rivers will be found at the end of the tables.

H. C. HOWE, *Section Director.*

PRECIPITATION IN SOUTHERN WEST VIRGINIA AND SOUTHWESTERN VIRGINIA.

Monthly, Annual and Average Amounts (in Inches and Hundredths).

[Figures in bold-face type estimated from surrounding stations.]

GREAT KANAWHA BASIN.

MAX MEADOWS, VA.—WYTHE COUNTY.

Elevation, 2028 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894..	**1.86**	**3.02**	**1.41**	**1.36**	3.56	3.20	2.91	1.61	1.56	**3.03**	0.47	2.60	26.59
1895..	6.38	2.39	3.07	4.45	2.05	2.54	4.47	4.72	**0.60**	**1.58**	**1.71**	**3.64**	37.60
1896..	**1.64**	3.61	6.06	2.46	2.68	5.05	4.86	......	**4.50**	**0.83**	4.77	......	......
1897..	1.80	9.19	3.81	1.47	2.78	4.14	4.75	3.62	0.92	3.41	1.34	4.39	41.62
1898..	2.79	0.60	3.86	1.92	4.94	**2.65**	**4.68**	3.33	4.82	6.26	1.55	1.53	38.93
1899..	2.62	4.81	5.96	2.92	3.13	**6.77**	1.45	**3.08**	**3.60**	1.27	0.77	**1.90**	38.28
1900..	**1.72**	3.57	4.83	**1.76**	**2.92**	**4.18**	**4.24**	0.51	5.74	3.74	3.02	**2.37**	38.60
1901..	2.41	0.94	3.94	6.87	10.12	8.32	4.30	17.58	......	1.36	1.23	7.10	......
1902..	**2.62**	3.85	**3.46**	**1.66**	3.69	**2.94**	1.48	2.26	**2.54**	2.18	3.50	......	......
1903..	3.93	**5.47**	**5.36**	**3.84**	0.92	4.32	**4.45**	**3.68**	**3.00**	**1.74**	**2.00**	1.30	40.01
1904..	**1.82**	**2.06**	**2.46**	**2.17**	**2.58**	5.74	3.62	1.81	1.02	0.05	**0.44**	**2.80**	26.57
1905..	2.66	2.75	1.53	2.21	8.12	2.29	8.05	3.99	4.22	2.68	0.58	5.13	44.21
1906..	4.54	0.51	4.25	**1.50**	2.62	5.83	6.32	4.64	......	2.00	1.91	......	......
1907..	0.59	1.33	**4.10**	**3.84**	2.39	8.16	**2.70**	**1.97**	**6.34**	**0.99**	3.31	**2.62**	38.34
1908..	3.46	3.04	2.19	4.41	3.69	**5.00**	**5.58**	4.56	1.26	7.34	**1.61**	**2.97**	45.11
Mean	**2.72**	**3.14**	**3.75**	**2.86**	**3.75**	**4.74**	**4.26**	3.31	**3.09**	**2.74**	**1.89**	**3.46**	**39.71**

Observations taken at Graham's Forge prior to September, 1907.

WYTHEVILLE, VA.—WYTHE COUNTY.

Elevation, 2293 feet.

1873..	*2.93	5.95	2.75	3.80	7.76	2.97	2.87	4.99	2.75	1.92	2.62	2.83	44.14
1874..	2.65	2.89	2.98	5.85	1.16	3.54	6.06	2.58	5.58	1.04	2.89	1.27	38.49
1875..	2.95	4.70	6.70	3.71	0.54	6.13	8.64	4.23	2.50	0.64	3.70	2.76	47.20
1876..	2.31	2.95	3.34	2.01	3.16	4.07	5.50	7.00	9.90	0.60	3.35	0.62	44.81
1877..	4.52	0.10	2.40	3.63	1.75	3.70	3.10	2.30	1.70	5.00	5.90	2.50	36.60
1878..	5.23	1.92	3.00	3.20	4.20	2.70	2.50	3.70	5.80	3.10	3.40	4.70	43.45
1879..	3.72	2.40	1.00	1.60	3.00	1.30	2.50	2.70	0.50	5.10	0.70	4.30	28.82
1880..	1.30	0.44	4.80	2.90	1.50	3.60	4.17	4.80	3.68	1.76	3.39	2.36	34.70
1881..	2.34	3.17	2.04	2.35	0.93	3.43	4.10	2.00	5.73	3.43	2.67	4.15	36.34
1882..	7.08	5.09	3.16	2.81	4.45	5.56	4.63	7.65	5.06	1.10	1.45	2.45	50.49
1883..	4.04	3.34	4.48	4.67	1.50	5.00	0.89	*2.00	*6.85	4.13	2.54	*0.68	40.12
1884..	3.92	5.33	8.04	2.65	3.41	5.92	*3.90	1.40	1.70	*0.50	*0.60	*3.20	40.57
1885..	3.83	1.94	1.49	2.19	7.04	1.40	1.32	3.70	1.66	4.69	2.56	3.02	34.84
1886..	3.88	1.50	5.31	5.75	*3.60	4.59	6.65	4.78	0.48	0.87	4.66	3.35	45.42
1887..	3.50	3.14	2.94	2.98	3.68	3.67	5.58	5.78	4.88	3.46	0.44	2.91	42.96
1888..	3.25	2.61	2.73	1.35	3.73	1.30	1.83	3.67	12.20	5.05	2.20	2.30	42.22
1889..	3.05	3.30	1.37	**2.15**	5.00	8.08	6.69	5.59	3.35	**2.60**	**3.36**	**1.58**	46.12
1890..	**2.50**	**6.04**	**4.39**	**4.72**	**5.39**	1.56	1.35	4.55	3.07	3.80	0.49	2.74	40.60
1891..	2.06	4.83	4.95	3.40	4.20	4.12	3.14	4.35	0.98	1.89	2.90	3.70	40.52
1892..	**5.16**	**1.81**	**2.88**	**4.84**	**4.10**	**4.28**	1.88	2.60	3.57	0.15	4.17	0.93	36.37
1893..	2.00	3.14	0.81	2.96	5.59	5.17	3.77	7.05	5.62	6.74	1.70	1.20	45.75
1894..	2.03	2.64	1.82	1.55	2.31	3.33	6.84	2.95	0.90	3.24	2.14	2.03	31.78
1895..	4.70	1.75	2.70	2.27	**3.86**	**4.42**	**7.95**	**5.74**	**0.34**	0.89	2.08	**3.32**	40.02
1896..	1.76	3.66	5.44	1.30	2.76	7.15	**5.30**	4.22	**4.21**	1.02	**5.51**	**1.78**	44.11
1897..	1.43	9.37	4.69	1.72	3.26	1.98	3.72	4.13	0.92	2.08	1.26	4.13	38.69
1898..	3.30	0.65	4.15	2.19	4.41	2.17	5.63	5.61	6.40	5.38	1.81	2.48	44.18
1899..	2.35	4.44	7.23	4.22	3.43	6.03	3.85	2.37	3.85	1.29	1.13	2.24	42.43
1900..	**1.72**	**4.58**	**5.88**	1.33	2.65	3.88	3.03	1.86	5.35	3.29	4.12	1.91	39.60
1901..	2.45	0.99	3.66	9.10	9.03	7.82	3.67	13.15	2.27	1.86	1.00	7.65	62.65
1902..	1.90	4.87	3.51	1.56	3.01	4.98	3.00	1.14	2.87	2.20	2.58	2.42	34.04
1903..	3.21	5.33	5.03	3.67	2.85	3.67	2.61	3.69	1.05	1.60	2.06	1.34	36.11
1904 .	1.73	2.08	2.49	2.15	2.78	4.06	1.64	2.32	0.75	0.02	1.88	2.48	24.38
1905..	2.37	3.22	1.58	1.77	8.75	3.10	8.54	2.29	1.91	2.13	0.44	4.29	40.39
1906..	4.79	0.33	3.83	1.28	1.71	5.89	7.60	7.04	4.81	4.97	2.34	1.96	46.55
1907..	0.95	1.91	4.23	3.29	2.72	8.47	3.11	1.49	5.86	0.85	3.27	3.01	39.16
1908..	3.97	2.56	2.66	4.89	4.10	5.74	6.30	3.74	2.08	6.50	1.78	3.88	48.20
Mean	3.08	3.19	3.62	3.11	3.70	4.30	4.27	4.13	3.61	2.64	2.47	2.74	40.90

* Snowville. Snowville data from July, 1876 to June, 1880, inclusive.

BURKES GARDEN, VA.—TAGEWELL COUNTY.

Elevation, 3250 feet.

1896..	**1.36**	**3.63**	6.46	3.18	4.45	6.81	**7.76**	3.45	5.01	**1.81**	6.16	1.19	51.27
1897..	1.16	7.74	5.55	1.97	3.89	3.80	4.61	3.22	1.15	1.44	2.50	4.81	41.84
1898..	4.87	0.98	4.97	2.73	5.48	5.39	5.31	6.79	4.71	6.32	3.05	2.60	53.20
1899..	2.47	7.71	10.09	3.43	6.29	5.61	4.64	1.39	4.63	1.12	1.42	4.06	52.86
1900..	2.04	4.83	5.78	2.22	4.51	4.50	1.91	2.86	5.72	4.14	4.64	2.70	45.85
1901..	4.07	0.81	2.96	8.17	9.83	11.18	3.76	9.11	2.90	1.86	0.97	8.09	63.71
1902..	3.95	4.85	5.08	2.12	2.61	6.77	3.34	2.47	2.56	2.36	3.69	4.15	43.95
1903..	3.20	6.75	6.56	5.97	1.66	5.60	4.65	2.73	1.42	1.84	3.67	2.17	46.22
1904..	2.92	2.62	3.67	3.76	4.76	4.74	3.72	3.48	2.53	**0.45**	3.01	4.38	40.04
1905..	2.60	1.76	3.38	2.37	6.30	2.00	9.05	5.06	2.63	3.41	1.25	3.58	43.39
1906..	6.43	1.02	3.96	3.29	4.27	5.22	6.18	9.47	4.98	5.11	3.97	4.65	58.55
1907..	1.93	2.32	4.72	5.17	3.80	9.13	5.16	3.30	5.43	2.03	5.13	3.08	51.20
1908..	4.00	3.68	6.41	5.53	6.69	6.06	3.32	4.50	3.26	5.27	2.64	5.33	56.69
Mean	3.15	3.75	5.35	3.84	4.96	5.91	4.88	4.45	3.61	2.86	3.24	3.91	49.91

BLUEFIELD, W. VA.—MERCER COUNTY.

Elevation, 2563 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1891..	......	......	......	......	......	......		......	......	2.48	4.29	......	......
1892..	......	......	......	......	......	......	......	5.53	2.37	0.42	1.58	2.00	......
1893..	1.47	4.92	2.83	4.15	7.85	6.41	3.18	6.82	4.31	7.22	1.93	1.68	52.76
1894..	2.69	5.73	1.80	3.36	5.37	3.44	......	......	......	......	......	......	......
1895..	5.75	1.44	3.83	5.18	3.90	3.84	6.58	4.16	1.18	1.93	2.13	3.27	43.19
1896..	1.36	2.62	6.38	2.15	2.18	**6.00**	**7.00**	5.69	5.28	1.39	4.58	1.40	46.03
1897..	1.78	6.28	4.74	1.58	4.43	4.39	6.78	2.34	0.62	0.65	1.42	3.50	38.51
1898..	2.96	0.98	3.53	**3.75**	**5.00**	**5.50**	6.42	6.15	3.15	6.36	3.02	2.25	49.07
1899..	2.20	6.43	6.27	2.76	6.02	5.34	4.09	3.25	2.28	1.23	1.08	3.83	44.78
1900..	1.98	4.08	6.48	1.23	4.90	5.48	3.28	3.52	3.86	2.94	5.47	2.04	45.26
1901..	3.35	1.03	2.39	8.28	8.86	10.87	3.28	9.92	1.68	1.05	1.55	7.77	60.03
1902..	3.37	5.15	4.51	1.82	2.90	6.20	2.40	......	......	......	......	......	......
1903..	5.30	4.45	4.53	3.75	1.20	3.97	2.61	2.00	0.10	1.70	2.20	1.94	33.75
1904..	3.62	**2.25**	**3.90**	4.20	1.58	3.80	3.90	3.60	1.32	**1.15**	0.91	2.30	32.53
1905..	3.43	2.42	1.48	0.81	7.67	3.20	6.10	4.50	1.80	2.90	0.70	**3.50**	38.51
1906	5.50	**0.60**	3.70	3.80	2.00	4.30	4.27	6.35	3.40	4.85	**3.85**	**3.50**	46.12
1907..	2.65	3.25	......	......	......	8.86	......	......	......	......	......	......	......
1908..	......	......	......	......	......	......	......	......	......	......	......	......	......
Mean	3.16	3.44	4.03	3.34	4.56	5.44	4.61	4.91	2.41	2.59	2.48	3.00	43.97

UNION, W. VA.—MONROE COUNTY.

1902..	......	......	......	......	......	......	......	......	......	......	......	2.69	......
1903..	2.96	4.94	4.49	4.12	0.80	2.01	4.99	2.34	0.99	1.82	**2.00**	1.13	32.59
1904..	......	2.10	2.19	2.75	3.89	3.59	3.57	3.40	0.77	......	......	......	......
1905..	......	......	......	......	......	......	......	......	......	2.89	......	3.08	......
1906..	4.92	0.50	2.77	1.78	1.80	**4.00**	4.52	5.09	3.33	3.79	2.76	2.59	37.85
1907..	3.34	4.09	3.71	3.25	1.67	4.75	4.38	2.57	4.15	0.57	3.94	3.55	40.37
1908..	3.80	2.20	**5.60**	4.27	4.70	3.73	4.57	4.52	0.90	3.32	1.01	3.75	42.37
Mean	3.76	2.77	3.75	3.23	2.57	3.62	4.41	3.66	2.03	2.48	2.43	2.80	37.51

PRINCETON, W. VA.—MERCER COUNTY.

Elevation, 2469 feet.

1900..	......	......	......	......	6.75	9.00	7.88	3.75	5.50	4.13	8.88	3.23	......
1901..	5.95	1.85	4.50	10.25	15.85	16.30	5.00	13.70	3.85	1.60	**1.60**	**8.00**	88.45
1902..	5.45	8.65	5.55	2.20	3.75	4.90	3.60	2.60	2.35	2.65	4.15	4.30	50.15
1903..	4.25	7.15	8.20	7.45	2.00	4.95	7.85	3.75	1.25	2.10	4.30	2.95	56.20
1904..	3.75	3.60	6.10	4.55	4.55	4.30	2.60	6.60	1.45	0.85	3.20	5.90	47.45
1905..	4.80	2.95	6.00	4.05	**7.50**	4.00	10.55	4.05	4.10	3.65	1.40	4.50	57.55
1906..	8.70	1.75	4.60	4.25	2.85	4.25	7.40	7.75	5.20	5.35	5.50	4.15	61.75
1907..	5.85	4.80	6.80	6.45	2.80	11.95	6.00	4.10	5.00	2.30	5.45	5.35	66.85
1908..	5.10	5.25	7.85	6.40	6.85	6.75	2.70	4.70	2.54	6.88	2.45	7.36	64.83
Mean	5.48	4.50	6.20	5.70	5.88	7.38	5.95	5.67	3.47	3.28	4.10	5.08	62.69

HINTON, W. VA.—SUMMERS COUNTY.

Elevation, 1400 feet.

1889..	2.07	1.19	1.04	1.91	5.70	3.50	4.50	3.25	4.18	1.34	2.17	1.00	31.85
1890..	......	......	......	3.78	4.40	4.00	3.47	3.49	2.17	4.06	0.84	3.29	......
1891..	2.36	6.38	6.18	2.39	5.01	3.15	2.47	4.62	0.48	1.53	2.09	2.51	39.17
1892..	3.02	2.23	3.71	5.77	3.36	2.64	3.17	2.74	1.32	0.21	3.95	2.32	34.44
1893..	1.87	5.52	1.64	4.35	5.56	7.02	2.30	3.32	4.50	5.17	1.20	1.04	43.49
1894..	1.82	3.77	1.34	1.97	2.35	3.80	1.82	1.58	2.59	2.14	1.03	2.77	26.98
1895..	5.06	1.00	3.20	4.12	4.05	2.50	6.44	3.21	4.37	1.06	1.82	2.01	38.84
1896..	0.92	3.16	5.46	2.64	3.97	5.87	4.35	2.08	3.91	1.03	3.79	1.55	38.73
1897..	1.55	7.08	4.59	2.03	3.56	3.42	5.03	2.55	0.34	0.76	1.00	3.76	35.67
1898..	3.31	0.91	4.15	2.30	4.44	2.80	5.34	8.45	2.90	4.58	2.32	1.94	43.44
1899..	2.96	4.88	7.05	2.07	5.32	4.68	1.23	2.45	3.56	0.71	1.27	2.49	38.67
1900..	2.26	3.31	4.86	1.56	2.96	6.22	3.35	3.24	3.84	2.42	5.68	1.71	41.41
1901..	3.56	0.78	2.60	6.85	5.91	6.30	2.85	8.54	2.29	0.69	1.40	7.85	49.62
1902..	4.14	3.64	4.32	1.93	3.07	4.25	1.33	1.93	1.50	2.25	2.39	3.30	34.05
1903..	3.49	5.56	4.96	3.54	1.91	3.53	3.22	3.42	0.42	1.62	2.24	1.33	35.24
1904..	2.14	2.26	2.48	2.46	3.53	3.55	2.41	4.87	1.19	0.54	1.64	2.87	29.94
1905..	2.49	3.97	2.56	2.17	5.13	2.92	5.91	3.09	1.96	2.93	1.62	2.89	37.64
1906..	5.90	1.00	3.98	3.07	2.56	3.45	3.85	4.62	3.01	3.60	4.24	2.62	41.90
1907 .	3.01	3.04	4.25	4.29	2.30	7.24	3.16	4.44	4.99	1.87	4.03	4.08	46.70
1908..	3.10	2.16	5.70	5.88	5.84	3.04	3.90	2.92	0.66	4.28	1.81	3.56	42.85
Mean	2.90	3.25	3.90	3.25	4.05	4.19	3.50	3.74	2.51	2.14	2.33	2.74	38.50

LEONARD, W. VA.—GREENBRIER COUNTY.

Elevation, 4242 feet.

1901..	......	......	......	......	......	......	......	......	......	......	......	8.85	......
1902..	5.79	2.46	3.66	4.22	2.70	5.52	3.47	6.05	3.96	4.16	3.23	4.56	49.78
1903..	4.44	8.17	5.29	6.36	2.33	6.87	2.29	4.42	0.37	2.73	2.85	3.50	49.62
1904..	4.96	3.70	1.42	3.17	5.80	4.03	1.04	3.74	0.90	**0.75**	0.87	5.33	35.71
1905..	3.61	......	1.20	1.61	5.65	2.20	7.73	1.32	2.78	......	......	......	......
1906..	......	......	5.02	4.73	......	5.40	5.70	6.05	5.20	2.90	3.70	4.20	......
1907..	......	......	......	5.40	2.05	6.95	5.45	4.25	3.45	3.40	7.05	3.26	......
1908..	6.50	5.75	6.70	......	......	......	......	......	......	......	......	......	......
Mean	5.06	5.02	3.88	4.25	3.71	5.16	4.28	4.30	2.78	2.79	3.54	4.95	49.72

LEWISBURG, W. VA.—GREENBRIER COUNTY.

Elevation, 2200 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888..	......	......	......	......	3.35	3.70	1.67	4.01	6.31	6.02	1.54	1.83	......
1889..	3.03	2.55	1.57	2.63	6.81	4.32	......	......	5.15	......	......	0.98	......
1890..	1.85	4.71	7.72	2.20	3.47	3.21	3.10	0.92	2.95	3.96	0.90	1.71	36.70
1891..	2.60	4.97	5.06	2.50	3.00	3.10	3.40	4.40	0.30	2.00	2.00	4.00	37.33
1892..	2.40	2.00	2.30	5.70	4.40	6.80	0.90	1.00	1.60	0.90	3.00	1.60	32.60
1893	1.50	2.20	2.20	3.80	......	2.50	1.90	2.00	......	......	......	......	......
1894..	......	......	......	......	......	......	......	......	......	......	......	......	......
1895..	......	......	......	......	......	1.64	5.04	3.37	1.65	1.05	......	......	......
1896..	......	......	......	2.76	2.13	5.08	5.30	3.80	5.15	0.90	5.07	......	......
1897..	0.90	7.07	4.91	1.77	6.80	6.55	6.59	5.93	0.45	......	......	......	......
1898..	......	......	4.03	3.07	4.56	......	......	......	1.86	5.70	2.71	......	......
1899..	......	......	......	......	......	......	......	......	......	......	......	......	......
1900..	......	......	......	......	2.43	2.96	4.09	1.68	4.59	4.80	6.69	2.34	......
1901..	3.29	0.85	2.27	5.04	6.00	6.23	3.78	8.50	1.52	0.82	1.23	6.80	46.33
1902..	8.52	3.20	3.77	2.28	2.38	4.33	0.96	1.68	1.92	1.93	3.09	3.94	38.00
1903..	3.74	5.86	4.58	3.97	3.19	4.44	5.05	4.39	2.43	2.21	1.86	1.01	42.73
1904..	1.83	2.37	2.83	2.62	5.23	4.95	2.75	2.65	1.37	0.65	1.38	3.27	31.90
1905..	3.21	1.24	3.06	2.11	5.76	3.30	6.89	2.89	3.23	2.87	1.72	3.18	39.46
1906..	5.18	1.21	4.70	2.60	3.30	4.40	4.87	3.79	3.73	2.86	3.08	3.18	42.90
1907..	3.81	2.77	4.72	4.37	2.66	7.17	3.97	3.38	4.48	1.49	4.50	3.58	46.90
1908..	3.03	2.22	5.62	4.37	5.45	3.26	6.77	5.09	0.51	3.11	1.96	3.36	44.75
Mean	3.21	3.09	3.96	3.24	4.17	4.33	3.94	3.50	2.73	2.58	2.72	2.91	40.38

Record prior to May, 1900, for White Sulphur Springs, about 8 miles east of Lewisburg.

GREEN SULPHUR SPRINGS, W. VA.—SUMMERS COUNTY.

Elevation, 1600 feet.

1895..	3.30	0.75	2.56	3.44	1.67	2.55	3.16	3.11	2.18	0.75	0.75	0.75	24.97
1896..	0.74	1.50	4.51	0.84	2.45	4.38	2.91	1.10	1.90	0.53	3.49	1.91	26.26
1897..	1.10	7.21	3.92	1.76	3.05	4.62	4.98	0.85	0.02	0.29	1.04	2.88	31.72
1898..	2.24	0.86	2.58	1.85	3.60	2.13.	1.62	4.40	0.80	3.04	1.21	2.63	26.96
1899..	2.53	5.51	6.15	1.55	5.82	6.32	0.94	1.57	3.62	0.75	0.74	2.91	38.41
1900..	2.19	3.58	......	0.75	4.32	5.36	3.17	2.42	2.50	1.99	5.97	2.25	......
1901.	3.20	0.62	1.73	7.27	8.36	4.86	3.53	5.94	1.65	0.53	1.54	6.42	45.65
1902..	4.28	2.82	3.30	1.53	2.64	3.68	1.68	1.15	2.63	1.11	2.69	2.01	29.52
1903..	2.81	4.74	3.65	3.43	1.83	3.23	3.34	2.26	0.59	1.96	1.60	0.61	30.05
1904..	1.98	1.87	2.37	2.20	4.09	5.16	1.38	3.46	1.24	0.40	1.24	1.69	27.08
1905..	1.56	3.04	1.88	1.51	5.28	2.78	6.49	2.01	1.61	2.52	1.83	2.62	33.13
1906..	5.41	0.73	4.52	2.51	1.79	2.84	4.81	6.00	3.64	2.66	2.49	2.78	40.18
1907..	5.42	1.60	3.98	3.90	2.55	7.41	5.24	4.30	4.50	1.92	3.95	2.89	47.66
1908..	2.47	1.77	5.81	6.03	3.75	3.31	5.84	3.24	0.26	2.15	0.74	2.30	37.67
Mean	2.80	2.61	3.61	2.76	3.66	4.19	3.51	2.99	1.94	1.47	2.09	2.48	34.11

BECKLEY, W. VA.—RALEIGH COUNTY.

Elevation, 2440 feet.

1893..	......	......	......	......	......	......	......	......	......	......	......	1.45	......
1894..	0.83	5.70	0.82	1.06	2.57	1.87	1.26	0.51	1.92	2.15	0.57	3.07	22.33
1895..	2.37	.....	2.85	......	......	......	......	......	......	......	......	......	......
1896..	......	......	......	0.82	......	3.98	3.30	2.89	1.59	......	......	......	......
1897..	1.25	4.94	2.17	......	1.52	2.11	......	0.77	0.00	......	0.30	2.43	......
1898..	3.79	2.00	6.50	2.00	3.70	2.06	2.14	5.74	0.81	1.93	1.36	1.48	33.51
1899..	4.31	4.03	......	......	3.53	4.08	0.20	0.84	1.73	......	......	2.01	......
1900..	1.08	4.28	4.50	0.43	2.16	3.25	1.72	1.84	1.71	1.25	2.94	1.22	26.38
1901..	2.51	0.32	2.57	5.78	4.19	4.81	1.34	2.71	1.42	0.75	2.25	4.63	33.28
1902..	......	3.17	.....	0.59	1.63	2.88	2.00	....	2.23	1.72	2.69	......	......
1903..	......	......	3.29	......	......	......	......	......	......	......	......	......	......
1904..	......	......	......	....	......	......	......	......	......	......	......	......	......
1905	......	......	......	......	......	......	......	......	......	......	1.60	2.10	......
1906..	4.35	1.25	4.01	3.00	2.50	3.14	4.14	3.92	3.96	3.58	3.69	4.64	42.16
1907..	7.01	1.05	3.32	5.44	3.13	6.82	4.75	4.86	2.65	3.38	5.93	4.51	52.85
1908..	5.81	4.83	7.24	7.22	3.51	5.08	4.98	3.00	0.70	2.84	2.53	5.04	52.78
Mean	3.33	3.16	3.73	2.93	2.84	3.64	2.58	2.71	1.70	2.20	2.39	2.96	34.17

Prior to 1896 the record is for Raleigh, about 3 miles south of Beckley.

POWELLTON, W. VA.—FAYETTE COUNTY.

Elevation, 904 feet.

1894..	....	......	......	......	......	2.69	1.18	2.25	3.30	1.82	2.49	4.38	......
1895..	5.18	1.19	4.34	3.06	3.41	1.84	5.79	5.80	1.60	1.35	2.32	2.91	38.79
1896	1.54	3.82	6.48	1.70	4.13	8.30	4.59	2.52	4.50	2.09	3.59	1.99	45.25
1897..	1.75	4.61	3.21	2.50	4.43	6.63	6.34	3.11	0.61	0.10	2.99	4.33	40.61
1898..	4.45	2.07	5.21	2.68	3.85	2.76	7.58	9.55	1.77	3.59	3.41	2.99	49.91
1899..	5.10	4.52	8.48	1.78	6.80	4.76	1.93	2.50	2.70	0.23	0.20	3.50	42.50
1900..	.....	......	......	......	......	......	......	......	1.59	0.86	6.66	3.01	......
1901..	2.97	1.09	4.53	7.47	6.46	7.16	4.20	3.18	3.35	0.83	2.31	5.45	49.00
1902..	5.18	4.64	4.23	2.76	3.95	8.49	3.27	1.63	......	......	......	......	......
1903..	1.79	5.20	4.91	5.24	2.89	5.24	4.65	1.91	1.34	1.10	1.67	0.89	36.83
1904..	.....	2.49	2.55	5.71	2.88	4.02	2.48	......	......	......	......	......	......
1905..	......	......	......	......	......	......	......	......	......	3.25	1.39	1.35	......
1906..	3.86	2.09	4.64	2.63	3.32	6.35	4.44	8.12	5.31	2.94	2.05	2.08	47.83
1907..	5.74	3.18	1.90	2.39	2.73	1.93	4.31	6.00	2.16	1.93	3.07	1.95	37.29
1908..	2.58	2.11	6.17	6.50	7.08	3.34	5.14	1.25	0.46	1.24	0.75	2.70	39.32
Mean	3.65	3.08	4.72	3.70	4.33	4.89	4.30	3.98	2 39	1.64	2.53	2.89	42.10

NUTTALLBURG, W. VA.—FAYETTE COUNTY.

Elevation, 2252 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891..	......	......	......	......	......	......	......	......	......	2.02	......	......	......
1892..	3.99	0.81	5.07	6.53	3.85	3.25	4.16	3.25	2.79	0.55	3.10	2.99	40.34
1893..	2.19	4.74	2.60	5.46	4.05	3.01	2.76	5.64	1.85	6.50	2.19	1.75	42.74
1894..	2.00	4.10	1.60	2.50	4.15	2.69	0.50	2.07	4.10	2.20	2.40	2.60	30.91
1895..	4.44	0.85	1.25	0.90	1.86	1.20	5.35	4.80	0.75	1.45	1.75	1.97	26.57
1896..	1.80	4.65	6.00	2.60	2.30	7.40	4.30	3.40	3.75	2.60	3.50	0.80	43.10
1897..	1.50	6.80	4.60	2.00	4.05	4.15	8.20	1.85	0.80	0.40	1.50	4.65	40.50
1898..	2.70	1.85	4.25	2.50	4.36	3.10	6.80	4.85	2.50	4.50	2.10	2.25	41.76
1899..	4.50	4.50	8.00	2.15	5.95	4.48	3.89	2.13	2.48	1.55	1.86	3.70	45.19
1900..	1.79	5.53	5.25	1.46	3.41	6.53	3.92	2.80	2.75	1.70	6.05	2.86	44.05
1901..	2.68	0.20	4.40	6.77	7.98	7.68	3.70	4.54	3.27	0.25	2.23	7.05	50.75
1902..	4.00	3.85	3.90	3.30	3.67	6.37	3.13	2.23	3.05	2.10	3.85	3.95	43.40
1903..	2.90	5.10	5.25	5.95	2.35	4.15	3.45	1.70	1.30	2.05	3.10	1.45	38.75
1904..	3.80	1.40	3.60	1.80	2.35	3.40	1.05	3.25	0.65	0.85	0.26	0.87	23.28
1905..	3.55	3.50	3.85	1.35	5.70	1.55	3.00	4.05	0.25	3.40	2.35	2.49	35.04
1906..	3.30	1.00	3.70	1.95	1.75	3.32	4.23	2.42	2.52	2.02	2.49	3.65	32.35
1907..	4.94	2.30	1.99	2.43	1.38	5.67	4.40	2.93	3.96	2.95	3.48	2.73	39.16
1908..	2.60	2.40	5.74	6.90	3.47	4.93	5.15	2.90	0.45	2.45	1.58	4.00	42.57
Mean	3.10	3.15	4.18	3.33	3.68	4.29	4.00	3.22	2.19	2.20	2.58	2.93	38.84

CHARLESTON, W. VA.—KANAWHA COUNTY.

Elevation, 598 feet.

1885..	5.12	2.12	1.57	2.84	2.38	2.49	4.13	4.61	1.25	5.30	2.08	1.61	35.50
1886..	2.86	2.49	4.10	3.25	5.51	6.90	2.38	3.57	5.13	0.91	4.32	2.78	44.20
1887..	1.88	8.10	2.69	4.60	2.12	3.31	2.06	5.06	3.07	0.65	1.25	1.89	36.68
1888..	3.46	3.25	4.28	1.97	3.72	1.40	3.88	4.64	6.29	6.30	2.69	1.67	43.55
1889..	3.53	2.13	1.97	2.23	6.49	7.19	6.32	1.88	5.69	3.39	5.69	1.78	48.29
1890	3.82	6.98	8.90	4.41	7.55	3.19	3.28	8.87	3.63	3.28	1.84	4.45	60.20
1891..	4.40	6.11	5.32	3.03	4.45	7.70	3.31	6.48	1.27	1.98	3.78	2.90	50.73
1892..	3.42	2.15	4.67	5.21	5.26	3.34	4.59	4.91	1.88	0.71	3.95	3.45	43.54
1893..	2.86	4.14	1.72	3.95	3.58	4.27	2.91	4.33	2.80	5.07	2.41	2.46	41.10
1894..	2.35	4.57	1.94	3.06	3.52	2.86	0.66	2.05	3.77	1.65	2.39	3.91	32.73
1895..	5.19	0.69	3.87	2.60	2.08	1.83	4.19	4.81	1.05	0.72	2.54	2.69	32.26
1896..	1.05	4.20	6.00	3.35	4.13	4.81	4.83	4.63	3.83	2.54	3.73	1.62	44.72
1897..	2.03	5.90	3.80	2.84	5.04	5.36	4.62	3.23	0.59	0.07	4.07	3.97	41.52
1898..	6.11	1.93	7.06	2.72	4.34	3.58	4.86	7.42	3.52	4.19	3.64	2.56	51.93
1899..	7.01	4.81	7.41	3.17	3.45	4.94	5.70	4.57	3.44	1.41	2.75	3.36	51.42
1900..	3.07	3.43	2.60	1.28	3.11	7.13	3.90	3.34	1.36	1.82	6.14	3.02	40.20
1901..	2.10	0.32	3.36	6.85	5.40	6.92	2.08	5.00	3.57	0.70	2.23	7.41	45.94
1902..	4.29	3.77	4.59	3.01	4.26	6.35	2.78	1.48	3.29	2.12	3.94	5.49	45.37
1903..	2.44	6.36	4.56	5.95	1.83	4.21	2.76	1.93	0.57	2.26	2.16	2.12	37.15
1904..	1.68	2.63	3.54	4.08	2.72	2.69	3.28	3.45	1.51	1.65	0.45	2.73	30.41
1905..	3.43	2.94	4.81	3.33	5.69	5.05	4.56	3.82	1.05	5.31	2.17	2.96	45.12
1906..	3.38	2.06	5.44	2.16	2.06	5.02	4.78	3.09	3.53	2.54	2.16	5.14	41.36
1907..	5.20	3.46	4.90	3.60	4.56	7.20	5.20	7.20	2.86	3.22	3.98	2.58	53.96
1908..	2.70	3.18	7.02	6.18	4.26	2.52	4.56	1.88	0.34	1.48	1.18	3.98	39.28
Mean	3.47	3.66	4.42	3.57	4.06	4.59	3.82	4.26	2.72	2.49	2.96	3.19	43.21

BANCROFT, W. VA.—PUTNAM COUNTY.

1900..	......	......	......	......	......	......	......	......	......	1.60	5.31	3.01	......
1901..	1.43	0.95	2.38	7.89	4.70	7.83	1.72	3.26	2.97	......	......	......	......
1902..	......	......	3.45	2.89	2.96	5.76	......	......	......	......	......	......	......
1903..	......	......	......	......	......	......	......	......	.....	......	......	......	......
1904..	......	......	......	......	......	2.05	2.17	5.06	1.25	1.11	T.	1.82	......
1905..	2.30	3.08	5.95	2.94	4.94	3.48	5.79	5.15	1.21	7.52	2.84	3.22	48.42
1906..	3.30	2.40	4.33	1.38	2.30	7.18	7.05	6.02	4.47	3.08	2.35	4.88	48.74
1907..	7.13	3.01	4.67	3.54	5.66	6.71	7.36	10.12	2.12	2.35	2.51	2.62	57.80
1908..	2.88	3.75	6.33	5.30	3.94	3.42	4.42	1.97	0.51	1.69	1.03	2.67	37.91
Mean	3.41	2.64	4.52	3.99	4.08	5.20	4.75	5.26	2.09	2.89	2.34	3.04	44.21

SOUTHSIDE, W. VA.—MASON COUNTY.

Elevation, 583 feet.

1900..	......	......	......	......	......	2.49	3.48	2.56	1.93	1.25	5.78	2.17	......
1901..	1.78	1.16	2.37	6.81	5.09	7.80	1.38	3.17	3.58	1.21	2.36	5.33	41.04
1902..	3.85	4.28	4.26	3.39	3.57	5.70	1.69	1.58	4.76	1.60	3.46	6.43	44.57
1903..	2.96	6.26	4.14	5.21	1.77	3.75	2.91	1.02	1.05	3.29	2.65	1.67	36.68
1904..	1.74	1.96	5.81	3.18	2.67	3.09	3.03	2.72	0.56	0.66	0.16	2.00	27.58
1905..	2.05	2.57	5.59	3.39	5.43	2.36	4.96	4.48	1.39	7.61	3.00	3.53	46.36
1906..	2.93	2.34	4.58	2.67	2.86	6.31	5.27	3.97	2.75	2.83	1.98	4.55	43.04
1907..	8.44	2.11	5.14	2.85	5.26	3.44	6.92	6.62	3.72	1.09	1.89	2.84	50.32
1908..	1.85	4.35	6.25	5.49	4.44	3.99	6.65	2.12	0.56	1.19	0.48	2.30	39.67
Mean	3.20	3.13	4.77	4.12	3.89	4.33	4.03	3.14	2.26	2.30	2.42	3.42	41.01

GUYANDOTTE AND BIG SANDY BASINS.

ELKHORN, W. VA.—McDOWELL COUNTY.

Elevation, 1933 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892..	1.62	1.00	2.45	5.50	7.07	1.95	2.79	1.52	2.50	0.61	4.18	2.50	33.69
1893..	1.54	5.40	2.15	5.03	7.10	5.23	3.81	4.04	4.23	5.60	1.68	1.61	47.42
1894..	2.62	4.41	1.92	2.99	2.69	4.65	4.84	1.13	1.41	2.67	1.85	2.95	34.13
1895..	4.64	1.41	3.70	4.98	5.24	4.27	6.52	7.69	0.98	2.19	1.95	2.98	46.55
1896..	1.16	3.30	8.40	2.76	1.61	6.69	7.82	4.59	4.70	1.78	4.71	1.28	48.80
1897..	1.46	6.74	6.52	1.85	5.58	5.87	7.20	3.06	1.19	0.53	0.92	4.48	45.40
1898..	3.22	1.16	4.03	3.76	5.07	5.87	7.33	5.67	4.22	4.25	2.84	2.60	50.02
1899..	3.01	6.09	7.34	2.88	4.29	5.11	3.22	1.30	1.72	1.28	0.88	2.75	39.87
1900..	1.90	3.55	5.38	1.20	5.74	4.03	5.58	3.42	5.19	2.03	5.85	1.89	45.76
1901..	3.77	1.16	3.96	5.89	7.89	10.82	3.48	5.98	2.04	0.90	1.27	8.97	56.13
1902..	4.39	4.17	3.16	2.06	3.59	5.63	2.37	3.03	2.97	1.39	4.00	2.72	39.48
1903..	2.40	4.88	4.96	5.50	2.34	2.71	6.13	1.90	0.46	1.68	3.47	1.54	37.97
1904..	2.78	2.22	3.95	3.85	2.65	5.64	4.13	2.63	0.50	1.18	3.05	5.63	38.21
1905..	3.36	3.31	3.22	3.04	7.10	4.37	9.56	3.83	4.21	2.75	0.67	3.50	48.92
1906..	4.88	0.54	2.90	0.57	2.83	3.90	5.62	5.42	2.89	4.53	3.84	2.91	40.83
1907..	3.33	3.44	4.63	3.87	4.56	7.24	4.49	4.18	3.96	3.19	4.53	2.97	50.39
1908..	2.97	2.16	7.49	3.63	3.62	2.99	2.08	2.16	1.24	3.02	1.64	2.51	35.51
Mean	2.89	3.23	4.48	3.49	4.65	5.12	5.12	3.62	2.61	2.33	2.78	3.16	43.48

OCEANA, W. VA.—WYOMING COUNTY.

Elevation, 1200 feet.

1899..	4.00	5.00	7.00	2.20	5.10	8.93	2.50	2.46	2.41	1.27	1.32	3.56	45.75
1900..	2.46	4.86	4.57	1.29	3.62	8.69	5.34	5.56	3.25	1.73	6.51	2.44	50.32
1901..	3.75	0.17	3.25	6.07	8.88	8.20	1.54	6.59	4.60	0.91	2.03	7.65	53.64
1902..	5.51	4.02	5.38	2.88	3.54	......	2.10	......	......	......	......	5.57	......
1903..	......	6.54	5.18	......	......	......	......	......	......	......	......	......	......
1904..	......	......	......	......	......	......	......	......	......	......	......	......	......
1905..	......	......	......	......	......	......	......	3.50	2.60	4.70	1.40	3.40	......
1906..	4.00	1.00	2.90	2.93	0.39	3.80	5.20	3.91	3.55	3.04	3.32	5.46	39.50
1907..	5.73	3.44	5.00	4.29	5.18	7.71	7.98	5.29	4.53	2.56	5.64	3.55	60.90
1908..	3.77	2.60	......	......	......	......	......	......	......	......	......	......	......
Mean	4.17	3.45	4.75	3.28	4.45	7.47	4.11	4.55	3.49	2.37	3.37	4.52	49.98

WILLIAMSON, W. VA.—MINGO COUNTY.

Elevation, 660 feet.

1900..	......	......	......	......	......	......	......	......	2.80	1.80	7.40	2.03	......
1901..	2.31	1.30	3.97	5.30	8.65	7.72	4.15	5.33	7.64	0.55	1.24	8.22	56.38
1902..	5.84	3.99	6.29	2.71	2.85	5.72	1.57	1.84	2.95	2.53	3.92	4.28	44.49
1903..	2.74	8.28	5.11	7.13	0.90	3.54	4.33	2.03	0.67	2.09	2.40	1.38	40.60
1904..	2.36	1.44	4.00	2.98	5.32	7.00	2.07	4.93	4.55	2.22	2 06	3.30	42.23
1905..	2.00	3.73	3.47	2.53	3.59	3.95	3.25	3.18	3.22	4.00	2.00	4.00	38.92
1906..	3.71	0.97	4.86	0.95	4.32	3.13	4.43	6.48	2.83	2.18	4.08	6.28	44.22
1907..	6.69	3.37	4.16	4.04	4.07	10.41	4.97	4.60	3.60	2.59	3.01	2.36	53.87
1908..	3.06	3.48	7.70	7.74	4.02	4.25	3.50	3.58	0.76	1.50	1.54	4.78	45 91
Mean	3.59	3.32	4.94	4.17	4.22	5.72	3.53	4.00	3.22	2.16	3.07	4.07	46.01

LOGAN, W. VA.—LOGAN COUNTY.

Elevation, 665 feet.

1901..	......	......	......	......	......	......	......	......	......	......	2.40	7.50	......
1902..	5.70	4.25	4.15	3.53	3.35	6.40	3.26	2.91	3.55	2.27	4.03	5.77	49.17
1903..	3.74	8.70	6.10	7.30	0.90	4.01	5.33	2.38	0.93	1.81	3.15	3.32	47.67
1904..	4.57	4.25	5.12	5.20	4.62	7.53	3.73	5.21	2.19	2.52	1.70	4.06	50.70
1905..	5.00	4.65	4.73	4.21	5.66	4.94	3.27	4.29	2.80	5.25	2.05	4.18	51.03
1906..	3.36	1.50	6.56	2.60	3.61	4.93	6.66	2.82	4.62	2.78	3.10	6.44	48.98
1907..	6.34	3.35	5.12	4.24	4.71	7.76	7.89	7.55	3.97	4.68	5.70	3.54	64.85
1908..	3.09	4.24	8.30	8.02	4.56	3.75	3.89	2.43	0.78	1.48	2.73	5.86	49.13
Mean	4.54	4.42	5.73	5.01	3.92	5.62	4.86	3.94	2.69	2.97	3.11	5.08	51.89

HUNTINGTON, W. VA.—CABELL COUNTY.

Elevation, 510 feet.

1892..	3.17	2.25	2.78	2.50	3.39	1.62	6.41	1.41	3.44	0.42	3.75	3.65	34.79
1893..	1.44	3.63	1.50	5 48	2.60	2 00	2.45	2.83	1.50	6.25	3.00	2.00	34.68
1894.	......	......	......	......	......	......	......	2.56	1.74	1.17	......	......	......
1895..	......	......	......	......	......	......	......	......	......	......	......	......	......
1896..	......	......	......	......	......	......	......	......	......	......	......	......	......
1897..	......	......	......	3.70	4.03	3.29	6.04	4.67	......	0.12	5.02	2.69	......
1898..	6.52	2.38	6.34	1.40	3.63	4.36	4.41	6.27	4.75	3.34	2.60	2.46	48.46
1899..	5.77	5.53	7.92	2.20	4.44	1.46	6.04	3.22	3.05	1.14	1.35	2.52	44.64
1900..	3.06	3.79	2.35	1.02	4.02	4.49	4.87	4.44	2.11	1.69	7.40	2.96	42.20
1901..	1.56	1.25	2.46	8.53	4.50	5.86	3.59	2.88	3.87	0.32	2.26	5.18	42.26
1902..	4.10	2 83	3.82	2.93	5.58	5.60	3.01	1.59	2.15	2.85	3.64	6.46	44.56
1903..	2.46	6.65	4 38	3.58	1.33	4.66	1.82	2.62	0.28	3.56	2.38	1.74	35.46
1904..	1.78	2.02	4.84	4.36	3.04	3.74	2.50	3.00	1.12	0.64	0.10	3.66	30.80
1905..	2.30	2.35	4.86	2.84	6.34	5.46	4.78	8.32	0.60	4.14	3.30	3 68	48.97
1906..	3.38	1.72	5.36	2.26	1.84	7.58	3.94	4.20	3.78	1.82	2.88	4.00	42.76
1907..	6.56	2.76	4.98	2.80	4.96	8.66	6.66	6.16	2.00	2.02	2.32	2.02	51.90
1908..	1.98	3 40	7.72	7.30	4.00	3.38	4.76	0.84	0.56	1.22	1.24	2.80	39.20
Mean	3.39	3.12	4.56	3.64	3.84	4.44	4.38	3.67	2.21	2.05	2.95	3.27	41.52

UPPER PORTION OF TENNESSEE BASIN.

MARION, VA.—SMYTH COUNTY.

Elevation, 2224 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1884..	4.42	5.82	6.70	3.37	2.04	3.97	1.22	3.27	0.03	1.10	0.44	4.60	36.98
1885..	4.29	2.36	2.20	3.00	5.91	3.79	4.47	2.57	0.95	4.28	2.18	2.60	38.60
1886..	3.58	1.57	3.48	3.40	4.57	7.80	4.44	6.09	1.10	0.63	5.00	5.60	47.26
1887..	2.88	5.00	2.82	4.20	1.37	1.92	1.75	3.90	3.46	2.88	0.79	2.61	33.58
1888..	4.82	2.69	3.52	1.90	3.87	3.67	2.05	5.56	5.78	5.94	1.84	2.39	44.03
1889..	2.55	3.46	1.52	2.18	8.24	7.38	7.65	3.91	3.50	3.50	3.47	1.61	48.97
1890..	2.36	6.66	4.16	3.98	6.51	1.31	4.94	3 40	4.52	3.99	0.43	3.20	45.46
1891..	3.00	4.39	5.69	3.52	3.72	4.91	2.49	4.51	2.13	2.09	1.15	3.65	41.25
1892..	4.41	1.79	2.31	5.10	3.91	5.43	4.74	2.46	2.75	0.55	5.42	1.88	40.75
1893..	3.35	6.70	2.92	4.14	7.58	4.83	1.72	1.52	4.64	4.03	1.79	1.82	45.04
1894..	2.85	3.99	2.83	3.54	3.70	3.19	4.95	3.43	1.19	2.00	2.00	2.80	36.47
1895..	4.68	1.90	2.70	3.37	4.03	4.92	7.51	5 17	0.40	1.79	1.98	3.87	42.32
1896..	1.68	2.60	8.00	1.50	3.20	6.54	4.40	4.76	4.18	0.50	5.60	2.10	45.06
1897..	2.40	9.71	7.46	1.57	3.56	5.83	4.97	4.63	1.35	1.50	1.55	4.08	48.61
1898	4.26	0.95	4.57	2.08	5.63	4.10	6.03	7.15	3.50	5.43	2.30	2.40	48.40
1899..	3.10	6.53	8.34	2.48	6.75	5.96	5.12	2.63	4.02	1.75	1.45	3.61	51.74
1900..	1.40	4.34	5.99	1.93	3.22	4.55	4.27	2.79	4.58	2.87	4.03	2.27	42.24
1901..	3.65	1.57	3.50	6.82	6.80	9.70	3.64	10 82	2.90	1.93	0.98	7.86	60.17
1902..	2.34	4.90	3.70	1.93	1.80	6.80	0.90	3.55	3.20	2.17	2.56	2.26	36.11
1903..	3.04	5.82	4.75	5.15	0.50	2.68	4.75	4.10	1.00	1.40	3.95	2.55	39.69
1904..	2.15	1.60	4.35	4.00	2.60	4.45	4.50	5.40	0.38	0.01	2.90	3.04	35.38
1905..	2.48	3.98	2.18	1.91	5.29	2.33	9.55	3.42	2.31	2.54	0.70	3.21	39.90
1906..	5.62	0.56	3.14	2.70	2.51	5.84	6.26	6.95	2.28	4.21	3.25	3.65	46.97
1907..	1.14	1.67	3.42	3.18	3.39	11.44	7.01	5.37	5.50	1.01	2.94	3.56	49.63
1908..	3.85	3.02	3.70	3.75	3.57	4.78	3.07	4.41	2.12	4.09	2.31	4.62	43.29
Mean	3.21	3.74	4.16	3.23	4.17	5.12	4.50	4.46	2.73	2.49	2.44	3.27	43.52

BRISTOL. VA.—WASHINGTON COUNTY.

Elevation, 1676 feet.

1894..	2.43	2.42	1.77	1 80	3.75	3.18	3.63	7.06	3.35	1.57	1.17	3.70	35.83
1895..	5.59	1.93	4.00	1.63	3.22	3.48	7.06	5.21	0.05	2.06	2.36	1.59	38.18
1896..	1.59	2.51	7.87	1.94	3.00	......	7.74	7.63	3.17	1.05	5.47	1.60	......
1897..	2.17	9.20	8.28	3.39	3.37	4.07	6.13	3.18	0.66	1.25	0.69	3.94	46.33
1898..	4.02	0.97	4.64	2.88	3.93	3.49	5.70	4.17	5.59	5.04	2.32	1.44	44.19
1899..	3.02	4.91	9.01	2.37	3.80	2.83	5.07	2.18	2.93	1.22	1.28	2.56	41.18
1900..	1.37	3.28	5.04	1.35	1.53	2.26	6.28	2.98	3.02	1.60	3.56	1.88	34.15
1901..	2.20	1.61	3.48	3.58	6.16	8.18	7.14	8.55	2.00	2.30	0.97	8.07	54.24
1902..	2.77	4.94	3.88	0.97	1.68	7.72	2.05	3.55	2 84	2.14	2.55	2.11	37.20
1903..	2.86	6.32	4.12	5.14	1.00	1.70	7.92	1.55	0.55	1.45	3.65	1.75	38.01
1904..	1.87	1.56	3.10	2.47	2.23	4.68	3.98	3.09	T.	T.	3.91	3.80	30.69
1905..	2.60	4.73	2.79	3.07	2.20	2.42	7.62	3.10	0.60	3.22	1.07	3.37	36.79
1906..	4.26	1.00	3.24	2.55	3.40	6.07	5.64	4.86	3.73	2.65	4.55	3.84	45.79
1907..	1.92	2.20	3.88	3.71	1.95	5.73	5.09	2.67	3.85	1.27	4.72	3.35	40.34
1908..	3.00	3.34	3.65	4.83	4.55	4.55	4.37	3.05	1.90	2.25	2.60	6.09	44.18
Mean	2.80	3.39	4.58	2.78	3.05	3.88	5.69	4.19	2.28	1.94	2.72	3.24	40.54

BIG STONE GAP, VA.—WISE COUNTY.

Elevation, 1540 feet.

1891..	3.00	5.00	8.68	2.33	4.08	7.27	4.01	6.28	1.40	1.81	3.49	4.82	52.17
1892..	5.79	3.84	3.68	9.07	5.10	7.55	4.27	2.81	1.59	0.38	6.15	2.65	52.88
1893..	3.15	7.53	2.90	4.83	6.96	4.63	6.15	3.32	2.38	5.37	3.15	2.37	52.74
1894..	2.41	6.16	2.34	3.52	5.23	3.70	3.94	4.17	1.70	1.87	1.71	4.87	41.62
1895..	6.83	1.48	5.73	2.23	4.13	4.40	6.62	5.25	1.97	2.20	2.81	3.35	47.00
1896..	1.43	3.83	12.73	2.46	1.92	3.77	9.90	5.50	4.19	2.71	4.48	1.00	53.92
1897..	3.11	8.25	9.82	4.61	3.95	3.62	6.78	2.85	0.99	0.60	1.31	4.77	50 66
1898..	6.40	1.85	4.64	2.56	5.18	4.86	10.23	9.72	1.88	4.09	3.68	3.05	58.14
1899..	4.42	6.32	11.50	2.01	6.10	2.70	6.12	3.13	3.26	1.73	1.40	3.85	52.54
1900..	2.93	5.24	4.94	1.78	1.54	5.13	6.06	4.93	4.30	2.59	7.03	2.43	48.90
1901..	4.33	1.39	4.64	5.25	5.80	5.92	2.84	10.60	2.99	0.91	1.21	9.89	55.77
1902..	4.87	5.01	6.25	2.14	2.26	7.15	3.50	2.69	4.58	1.63	4.02	3.95	48.05
1903..	2.42	8.72	5.06	7.43	2.60	2.22	3.85	3.07	2.00	1.94	3.64	3 85	46.80
1904..	3.54	2.44	5.20	2.98	3.90	4.71	3.19	2.72	0.93	0.98	3.35	5.12	39.06
1905..	3.57	4.24	3.60	2.99	3.32	5.23	3.53	5.18	3.17	4.12	1.72	4.00	44.67
1906..	3.66	1.55	4.36	4.22	3.40	4.27	7.22	8.58	4.42	2.80	7.00	6.00	57.48
1907..	2.50	4.56	5.21	4.05	4.32	7.71	5.66	5.53	5.62	2.76	8.35	3.69	59.96
1908..	2.97	4.18	5.92	4.60	3.79	2.73	3.88	4.24	4.00	2.45	2.26	6.05	47.07
Mean	3.74	4.53	5.96	3.84	4.09	4.86	5.43	5.03	2.85	2.27	3 71	4.21	50.52

SPEERS FERRY, VA.—SCOTT COUNTY.

Elevation, 1221 feet.

1896..	1.22	4.06	8.11	2.20	2.46	4.00	8.82	6.56	4.18	1.88	4.98	1.52	49.99
1897..	2.28	9.48	9.85	4.00	3.66	3.84	6.33	3.76	0.47	0.93	1.27	5.22	51.09
1898..	6.69	2.19	5.08	3.95	4.50	4.71	9.20	8.59	3.42	4.38	3.52	2.29	58.52
1899..	4.02	6.25	8.72	3.02	5.12	4.78	7.15	1.69	4.47	1.55	1.80	3.49	52.06
1900..	3.41	5.33	7.14	1.79	1.58	5.11	6.46	4.82	6 38	2.09	5 12	2.72	51.95
1901..	3.87	1.69	5.41	5.23	5.73	4.23	2.38	10.32	3.78	1 86	1.23	11.15	56.88
1902..	4.00	5.71	7.06	1.44	2.27	7 34	2.63	3.80	6.79	2.17	2.90	3.84	49.95
1903..	2.72	8.18	6.18	5.72	1.82	3.90	2.82	2.40	1.14	2.04	2.78	2.42	43.12
1904..	3.28	3.22	5.16	2.98	3.98	4.96	4.06	3.24	1.31	0.70	4.05	5.75	42.69
1905..	3.95	4.48	3.74	3.52	3.48	3.82	4.95	6.69	1.52	4.24	1.90	5.68	47.97
1906	6.06	1.36	4.86	3.18	4.50	2.81	6.77	7.81	6.48	2 98	6.00	6.23	59.04
1907..	2.64	3.29	4.82	5.58	4.63	7.02	5.32	4.06	5.26	1.96	7.30	3.36	55.24
1908..	3.87	6.44	6.73	4.34	4.16	3.50	5.34	4.38	1.98	2.72	2.72	8.10	54.28
Mean	3.69	4.74	6.37	3.61	3.68	4.62	5.56	5.24	3.63	2.27	3.58	4.75	51.74

PREVAILING WIND DIRECTION.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	yrs.													
Bluefield	14	w	w	w	w	w	w	w	w	w	w	w	w	w
Charleston	6	w	w	w	w	w	w	w	w	w	w	w	w	w
Elkhorn	16	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Green Sulphur Springs	14	w	w	w	w	w	w	w	w	w	w	w	w	w
Hinton	12	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Huntington	15	w	w	w	w	w	w	w	w	w	w	w	w	w
Lewisburg	9	w	w	w	w	w	w	w	w	w	w	w	w	w
Logan	8	w	w	sw	sw	se	sw	sw	se	sw	sw	w	w	sw
Nuttallburg	16	n	n	n	n	w	sw	sw	s	w	s	n	n	n
Powellton	14	n	n	n	n	n	n	n	n	n	n	n	n	n
Princeton	9	w	w	w	w	w	w	w	w	w	w	w	w	w
Williamson	9	e	e	e	e	e	e	e	e	e	e	e	e	e
Big Stone Gap, Va.	13	w	w	w	w	w	w	w	w	w	w	w	w	w
Burkes Garden, Va.	13	w	w	w	w	w	w	w	w	w	w	w	w	w
Marion, Va.	5	sw	sw	sw	sw	sw	w	sw	w	w	sw	sw	sw	sw
Max Meadows, Va.	12	w	w	w	w	sw	sw	sw	sw	sw	w	w	w	w
Wytheville, Va.	15	w	w	w	w	w	w	w	w	w	w	w	w	w

AVERAGE HOURLY WIND MOVEMENT (IN MILES.)

	yrs.													
Wytheville, Va.	6	6.7	7.5	6.0	6.7	4.9	4.2	3.8	3.5	3.5	4.6	5.6	6.8	5.3

Average Number of Days with .01 or More of Precipitation.

GREAT KANAWHA BASIN	yrs.													
Max Meadows, Va.	12	7	7	8	7	10	10	8	8	6	5	4	7	87
Wytheville, Va.	15	10	9	12	10	13	14	13	13	8	6	8	10	126
Burkes Garden, Va.	13	9	7	10	8	11	12	10	10	6	6	6	9	104
Bluefield	16	12	12	12	11	11	13	11	11	6	6	9	11	125
Princeton	9	10	11	10	10	10	11	10	8	6	5	8	11	110
Hinton	12	15	16	18	14	14	15	12	12	10	8	11	14	159
Lewisburg	9	10	9	13	12	13	13	12	11	7	6	7	10	123
Green Sulphur Springs	14	7	6	8	8	8	9	8	7	4	4	5	6	80
Nuttallburg	16	8	9	8	7	8	8	7	5	4	4	6	7	81
Powellton	14	12	12	12	11	12	12	11	9	7	6	8	9	121
Charleston	10	13	12	14	13	12	12	10	9	6	6	8	9	126
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	11	10	12	12	12	13	13	11	7	6	8	11	126
Williamson	9	9	9	10	10	9	12	9	8	5	5	6	10	102
Logan	8	14	12	14	13	13	13	14	12	8	8	9	13	143
Huntington	14	10	9	12	10	11	11	11	8	6	6	8	11	113
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va.	16	8	8	9	8	11	9	9	10	6	5	5	7	95
Bristol, Va.	14	7	7	8	6	6	7	8	6	3	3	4	6	71
Big Stone Gap, Va.	17	11	11	12	11	11	11	11	11	6	6	8	11	120
Speers Ferry, Va.	11	11	10	13	10	9	11	11	13	7	5	9	10	119

AVERAGE SNOWFALL.

GREAT KANAWHA BASIN	yrs.													
Wytheville, Va.	15	8.6	6.8	3.2	0.6	T.	0	0	0	0	T.	2.6	3.2	23.0
Burkes Garden, Va.	13	6.8	6.0	5.6	2.8	T.	0	0	0	0	0.3	2.7	5.0	29.2
Bluefield	16	13.6	8.6	5.3	1.4	0.2	0	0	0	0	T.	2.8	6.2	38.1
Princeton	9	16.6	13.8	7.8	4.9	T.	0	0	0	0	0.2	5.6	9.8	58.7
Hinton	12	5.5	6.6	5.8	1.4	T.	0	0	0	0	T.	2.2	3.3	24.8
Lewisburg	10	8.2	7.4	3.7	1.0	0.1	0	0	0	0	0.2	2.8	4.1	27.5
Green Sulphur Springs	14	7.2	7.4	3.4	0.1	0	0	0	0	0	0	1.0	2.6	21.7
Nuttallburg	16	13.8	11.2	6.1	2.7	0	0	0	0	0	0.2	3.1	6.2	43.3
Powellton	14	9.1	10.7	54.	1.1	0	0	0	0	0	T.	1.2	4.0	31.5
Charleston	8	4.2	7.6	5.5	0.4	0	0	0	0	0	T.	0.7	2.9	21.3
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	8.0	7.6	4.4	1.6	T.	0	0	0	0	0.2	2.9	5.4	30.1
Williamson	8	2.4	4.9	3.8	0.6	0	0	0	0	0	T.	0.7	2.2	14.6
Logan	8	7.1	8.0	5.0	1.6	0	0	0	0	0	0.3	2.6	3.7	28.3
Huntington	15	5.8	5.7	3.7	0.7	0	0	0	0	0	T.	0.5	2.8	19.2
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va.	16	8.6	5.7	3.5	1.1	T.	0	0	0	0	0.2	1.6	3.6	24.3
Bristol, Va.	14	4.6	3.1	1.5	0.6	T.	0	0	0	0	T.	0.8	1.4	12.0
Big Stone Gap, Va.	17	6.2	5.6	3.5	1.0	0	0	0	0	0	T.	0.8	3.7	20.8

MEAN RELATIVE HUMIDITY.

Station.		Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
		yrs.													
Wytheville, Va.	8 a. m.	7	85	83	86	79	81	86	88	91	91	85	83	85	85
	8 p. m.		79	74	75	69	72	81	80	84	81	75	73	79	77

MEAN TEMPERATURES.

GREAT KANAWHA BASIN	yrs.													
Max Meadows, Va.	12	34.4	30.9	44.8	51.1	62.5	68.0	71.1	71.0	65.4	53.5	43.1	35.9	52.6
Wytheville, Va.	36	33.5	34.8	42.8	51.2	61.2	68.0	71.8	70.0	63.8	53.3	42.7	35.2	52.4
Burkes Garden, Va.	13	30.8	28.9	42.3	47.2	56.2	64.1	67.6	66.7	60.4	49.7	40.4	32.0	48.9
Bluefield	16	32.7	31.8	44.3	53.3	62.6	69.1	72.0	71.5	66.5	55.2	44.4	34.8	53.2
Hinton	12	34.8	33.2	46.2	53.1	64.3	70.4	74.5	74.3	68.0	56.1	45.2	36.2	54.7
Lewisburg	10	32.1	30.6	43.9	49.5	61.0	67.6	71.5	70.5	64.8	53.0	41.4	32.7	51.6
Green Sulphur Springs	14	32.5	30.8	44.3	50.6	61.8	68.7	72.6	71.8	66.1	53.8	43.2	33.9	52.5
Beckley	10	31.9	29.6	43.0	48.3	59.7	67.5	72.0	70.1	63.0	54.0	42.3	33.4	51.2
Nuttallburg	16	31.2	31.6	43.4	52.4	62.4	68.6	72.1	70.9	67.2	55.6	44.8	34.6	52.9
Powellton	14	35.7	33.4	46.7	53.3	63.8	70.3	74.1	72.8	66.7	54.3	44.3	35.8	54.3
Charleston	6	38.9	36.9	51.7	55.4	66.3	72.3	76.2	75.3	70.8	57.6	47.6	41.2	57.5
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	36.2	34.5	47.1	52.9	63.0	68.5	72.4	71.3	66.5	55.4	46.0	37.5	54.3
Williamson	8	35.6	34.9	49.3	54.4	66.8	72.1	75.9	75.2	69.9	58.1	45.5	38.2	56.3
Logan	8	37.8	37.5	52.7	56.8	67.6	71.7	75.3	73.3	68.6	58.9	47.2	39.2	57.2
Huntington	15	32.4	30.9	45.8	53.2	65.0	71.5	76.7	74.7	68.9	56.1	43.4	34.4	54.5
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va.	25	34.3	35.5	43.6	52.2	62.1	69.6	72.5	71.1	65.4	52.8	43.9	36.4	53.3
Bristol, Va.	15	34.5	33.7	46.8	53.1	64.6	70.9	74.2	73.2	68.0	55.3	44.6	35.7	54.6
Big Stone Gap, Va.	17	33.6	34.9	46.8	53.6	63.0	70.1	72.6	72.1	66.6	54.7	43.9	36.0	54.0

HIGHEST TEMPERATURES.

GREAT KANAWHA BASIN	yrs.													
Max Meadows, Va.	12	70	69	81	87	96	96	94	94	93	85	77	67	96
Wytheville, Va.	36	73	74	80	87	97	93	96	97	97	90	83	73	97
Burkes Garden, Va.	13	64	63	76	82	84	88	91	91	87	80	72	71	91
Bluefield	16	70	72	78	89	95	98	97	98	96	87	82	72	98
Princeton	9	64	65	79	80	87	88	89	90	90	82	73	62	90
Hinton	12	69	73	85	91	94	97	98	96	97	85	80	67	98
Lewisburg	10	70	69	84	86	89	92	94	95	97	85	73	65	97
Green Sulphur Springs	14	73	78	87	90	92	95	95	105	95	89	78	72	105
Nuttallburg	16	70	76	85	94	105	98	99	104	107	95	87	77	107
Powellton	14	75	76	89	93	93	96	98	99	99	92	79	71	99
Charleston	6	77	71	87	90	92	93	100	104	100	96	80	70	104
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	70	75	83	87	91	94	95	94	94	84	77	68	95
Williamson	8	75	77	89	89	95	95	98	97	95	90	80	73	98
Logan	8	76	75	91	92	96	100	102	96	94	90	81	71	102
Huntington	15	75	77	87	92	94	97	100	98	99	90	77	71	100
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va.	25	69	78	79	85	91	94	97	98	96	88	79	68	98
Bristol, Va.	15	70	71	86	88	91	94	96	94	92	86	78	67	96
Big Stone Gap, Va.	17	72	71	85	90	92	96	97	95	96	88	77	70	97

LOWEST TEMPERATURES.

GREAT KANAWHA BASIN	yrs.													
Max Meadows, Va.	12	—4	—12	2	20	29	38	44	45	31	17	7	—4	—12
Wytheville, Va.	36	—11	—9	—1	17	30	39	43	40	32	18	2	—10	—11
Burkes Garden, Va.	13	—20	—15	—3	14	22	34	38	38	25	13	—3	—14	—20
Bluefield	16	—17	—14	0	19	30	35	46	45	33	19	9	—5	—17
Princeton	9	—4	—4	5	15	30	38	46	44	29	18	4	4	—4
Hinton	12	—11	—12	6	23	30	41	49	49	36	21	9	—9	—12
Lewisburg	10	—7	—6	3	18	28	37	45	43	31	17	0	—1	—7
Green Sulphur Springs	14	—20	—16	5	16	28	38	43	42	28	16	5	—17	—20
Nuttallburg	16	—21	—21	1	11	22	34	35	40	29	8	9	—10	—21
Powellton	14	—5	—20	1	12	25	41	46	42	28	16	0	—5	—20
Charleston	6	2	—11	18	23	31	40	51	50	33	20	17	2	—11
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	—10	—12	3	19	32	38	42	46	33	22	9	—6	—12
Williamson	9	—1	—8	6	21	35	41	53	50	39	22	11	5	—8
Logan	8	2	—9	4	25	33	46	50	44	38	21	11	2	—9
Huntington	15	—14	—24	5	15	31	42	50	50	31	23	11	—3	—24
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va.	25	—16	—15	4	15	28	40	41	43	28	18	4	—11	—16
Bristol, Va.	15	—15	—20	2	20	30	40	50	46	27	23	11	11	—20
Big Stone Gap, Va.	17	—26	—18	3	21	26	33	40	43	25	19	6	—5	—26

GUYANDOTTE AND BIG SANDY BASINS.

ELKHORN, W. VA.—McDOWELL COUNTY.

Elevation, 1933 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892..	1.62	1.00	2.45	5.50	7.07	1.95	2.79	1.52	2.50	0.61	4.18	2.50	33.69
1893..	1.54	5.40	2.15	5.03	7.10	5.23	3.81	4.04	4.23	5.60	1.68	1.61	47.42
1894..	2.62	4.41	1.92	2.99	2.69	4.65	4.84	1.13	1.41	2.67	1.85	2.95	34.13
1895..	4.64	1.41	3.70	4.98	5.24	4.27	6.52	7.69	0.98	2.19	1.95	2.98	46.55
1896..	1.16	3.30	8.40	2.76	1.61	6.69	7.82	4.59	4.70	1.78	4.71	1.28	48.80
1897..	1.46	6.74	6.52	1.85	5.58	5.87	7.20	3.06	1.19	0.53	0.92	4.48	45.40
1898..	3.22	1.16	4.03	3.76	5.07	5.87	7.33	5.67	4.22	4.25	2.84	2.60	50.02
1899..	3.01	6.09	7.34	2.88	4.29	5.11	3.22	1.30	1.72	1.28	0.88	2.75	39.87
1900..	1.90	3.55	5.38	1.20	5.74	4.03	5.58	3.42	5.19	2.03	5.85	1.89	45.76
1901..	3.77	1.16	3.96	5.89	7.89	10.82	3.48	5.98	2.04	0.90	1.27	8.97	56.13
1902..	4.39	4.17	3.16	2.06	3.59	5.63	2.37	3.03	2.97	1.39	4.00	2.72	39.48
1903..	2.40	4.88	4.96	5.50	2.34	2.71	6.13	1.90	0.46	1.68	3.47	1.54	37.97
1904..	2.78	2.22	3.95	3.85	2.65	5.64	4.13	2.63	0.50	1.18	3.05	5.63	38.21
1905..	3.36	3.31	3.22	3.04	7.10	4.37	9.56	3.83	4.21	2.75	0.67	3.50	48.92
1906..	4.88	0.54	2.90	0.57	2.83	3.90	5.62	5.42	2.89	4.53	3.84	2.91	40.83
1907..	3.33	3.44	4.63	3.87	4.56	7.24	4.49	4.18	3.96	3.19	4.53	2.97	50.39
1908..	2.97	2.16	7.49	3.63	3.62	2.99	2.08	2.16	1.24	3.02	1.64	2.51	35.51
Mean	2.89	3.23	4.48	3.49	4.65	5.12	5.12	3.62	2.61	2.33	2.78	3.16	43.48

OCEANA, W. VA.—WYOMING COUNTY.

Elevation, 1200 feet.

1899..	4.00	5.00	7.00	2.20	5.10	8.93	2.50	2.46	2.41	1.27	1.32	3.56	45.75
1900..	2.46	4.86	4.57	1.29	3.62	8.69	5.34	5.56	3.25	1.73	6.51	2.44	50.32
1901..	3.75	0.17	3.25	6.07	8.88	8.20	1.54	6.59	4.60	0.91	2.03	7.65	53.64
1902..	5.51	4.02	5.38	2.88	3.54	......	2.10	......	......	......	......	5.57	......
1903..	......	6.54	5.18	......	......	......	......	......	......	......	......	......	......
1904..	......	......	......	......	......	......	......	......	......	......	......	......	......
1905..	......	......	......	......	......	......	......	3.50	2.60	4.70	1.40	3.40	......
1906..	4.00	1.00	2.90	2.93	0.39	3.80	5.20	3.91	3.55	3.04	3.32	5.46	39.50
1907..	5.73	3.44	5.00	4.29	5.18	7.71	7.98	5.29	4.53	2.56	5.64	3.55	60.90
1908..	3.77	2.60	......	......	......	......	......	......	......	......	......	......	......
Mean	4.17	3.45	4.75	3.28	4.45	7.47	4.11	4.55	3.49	2.37	3.37	4.52	49.98

WILLIAMSON, W. VA.—MINGO COUNTY.

Elevation, 660 feet.

1900..	......	......	......	......	......	......	......	......	2.80	1.80	7.40	2.03	......
1901..	2.31	1.30	3.97	5.30	8.65	7.72	4.15	5.33	7.64	0.55	1.24	8.22	56.38
1902..	5.84	3.99	6.29	2.71	2.85	5.72	1.57	1.84	2.95	2.53	3.92	4.28	44.49
1903..	2.74	8.28	5.11	7.13	0.90	3.54	4.33	2.03	0.67	2.09	2.40	1.38	40.60
1904..	2.36	1.44	4.00	2.98	5.32	7.00	2.07	4.93	4.55	2.22	2 06	3.30	42.23
1905..	2.00	3.73	3.47	2.53	3.59	3.95	3.25	3.18	3.22	4.00	2.00	4.00	38.92
1906..	3.71	0.97	4.86	0.95	4.32	3.13	4.43	6.48	2.83	2.18	4.08	6.28	44.22
1907..	6.69	3.37	4.16	4.04	4.07	10.41	4.97	4.60	3.60	2.59	3.01	2.36	53.87
1908..	3.06	3.48	7.70	7.74	4.02	4.25	3.50	3.58	0.76	1.50	1.54	4.78	45 91
Mean	3.59	3.32	4.94	4.17	4.22	5.72	3.53	4.00	3.22	2.16	3.07	4.07	46.01

LOGAN, W. VA.—LOGAN COUNTY.

Elevation, 665 feet.

1901..	......	......	......	......	......	......	......	......	......	......	2.40	7.50	......
1902..	5.70	4.25	4.15	3.53	3.35	6.40	3.26	2.91	3.55	2.27	4.03	5.77	49.17
1903..	3.74	8.70	6.10	7.30	0.90	4.01	5.33	2.38	0.93	1.81	3.15	3.32	47.67
1904..	4.57	4.25	5.12	5.20	4.62	7.53	3.73	5.21	2.19	2.52	1.70	4.06	50.70
1905..	5.00	4.65	4.73	4.21	5.66	4.94	3.27	4.29	2.80	5.25	2.05	4.18	51.03
1906..	3.36	1.50	6.56	2.60	3.61	4.93	6.66	2.82	4.62	2.78	3.10	6.44	48.98
1907..	6.34	3.35	5.12	4.24	4.71	7.76	7.89	7.55	3.97	4.68	5.70	3.54	64.85
1908..	3.09	4.24	8.30	8.02	4.56	3.75	3.89	2.43	0.78	1.48	2.73	5.86	49.13
Mean	4.54	4.42	5.73	5.01	3.92	5.62	4.86	3.94	2.69	2.97	3.11	5.08	51.89

HUNTINGTON, W. VA.—CABELL COUNTY.

Elevation, 510 feet.

1892..	3.17	2.25	2.78	2.50	3.39	1.62	6.41	1.41	3.44	0.42	3.75	3.65	34.79
1893..	1.44	3.63	1.50	5 48	2.60	2 00	2.45	2.83	1.50	6.25	3.00	2.00	34.68
1894.	......	......	......	......	......	......	......	2.56	1.74	1.17	......	......	......
1895..	......	......	......	......	......	......	......	......	......	......	......	......	......
1896..	......	......	......	......	......	......	......	......	......	......	......	......	......
1897..	......	......	......	3.70	4.03	3.29	6.04	4.67	......	0.12	5.02	2.69	......
1898..	6.52	2.38	6.34	1.40	3.63	4.36	4.41	6.27	4.75	3.34	2.60	2.46	48.46
1899..	5.77	5.53	7.92	2.20	4.44	1.46	6.04	3.22	3.05	1.14	1.35	2.52	44.64
1900..	3.06	3.79	2.35	1.02	4.02	4.49	4.87	4.44	2.11	1.69	7.40	2.96	42.20
1901..	1.56	1.25	2.46	8.53	4.50	5.86	3.59	2.88	3.87	0.32	2.26	5.18	42.26
1902..	4.10	2 83	3.82	2.93	5.58	5.60	3.01	1.59	2.15	2.85	3.64	6.46	44.56
1903..	2.46	6.65	4 38	3.58	1.33	4.66	1.82	2.62	0.28	3.56	2.38	1.74	35.46
1904..	1.78	2.02	4.84	4.36	3.04	3.74	2.50	3.00	1.12	0.64	0.10	3.66	30.80
1905..	2.30	2.35	4.86	2.84	6.34	5.46	4.78	8.32	0.60	4.14	3.30	3 68	48.97
1906..	3.38	1.72	5.36	2.26	1.84	7.58	3.94	4.20	3.78	1.82	2.88	4.00	42.76
1907..	6.56	2.76	4.98	2.80	4.96	8.66	6.66	6.16	2.00	2.02	2.32	2.02	51.90
1908..	1.98	3 40	7.72	7.30	4.00	3.38	4.76	0.84	0.56	1.22	1.24	2.80	39.20
Mean	3.39	3.12	4.56	3.64	3.84	4.44	4.38	3.67	2.21	2.05	2.95	3.27	41.52

UPPER PORTION OF TENNESSEE BASIN.

MARION, VA.—SMYTH COUNTY.

Elevation, 2224 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1884..	4.42	5.82	6.70	3.37	2.04	3.97	1.22	3.27	0.03	1.10	0.44	4.60	36.98
1885..	4.29	2.36	2.20	3.00	5.91	3.79	4.47	2.57	0.95	4.28	2.18	2.60	38.60
1886..	3.58	1.57	3.48	3.40	4.57	7.80	4.44	6.09	1.10	0.63	5.00	5.60	47.26
1887..	2.88	5.00	2.82	4.20	1.37	1.92	1.75	3.90	3.46	2.88	0.79	2.61	33.58
1888..	4.82	2.69	3.52	1.90	3.87	3.67	2.05	5.56	5.78	5.94	1.84	2.39	44.03
1889..	2.55	3.46	1.52	2.18	8.24	7.38	7.65	3.91	3.50	3.50	3.47	1.61	48.97
1890..	2.36	6.66	4.16	3.98	6.51	1.31	4.94	3 40	4.52	3.99	0.43	3.20	45.46
1891..	3.00	4.39	5.69	3.52	3.72	4.91	2.49	4.51	2.13	2.09	1.15	3.65	41.25
1892..	4.41	1.79	2.31	5.10	3.91	5.43	4.74	2.46	2.75	0.55	5.42	1.88	40.75
1893..	3.35	6.70	2.92	4.14	7.58	4.83	1.72	1.52	4.64	4.03	1.79	1.82	45.04
1894..	2.85	3.99	2.83	3.54	3.70	3.19	4.95	3.43	1.19	2.00	2.00	2.80	36.47
1895..	4.68	1.90	2.70	3.37	4.03	4.92	7.51	5 17	0.40	1.79	1.98	3.87	42.32
1896..	1.68	2.60	8.00	1.50	3.20	6.54	4.40	4.76	4.18	0.50	5.60	2.10	45.06
1897..	2.40	9.71	7.46	1.57	3.56	5.83	4.97	4.63	1.35	1.50	1.55	4.08	48.61
1898	4.26	0.95	4.57	2.08	5.63	4.10	6.03	7.15	3.50	5.43	2.30	2.40	48.40
1899..	3.10	6.53	8.34	2.48	6.75	5.96	5.12	2.63	4.02	1.75	1.45	3.61	51.74
1900..	1.40	4.34	5.99	1.93	3.22	4.55	4.27	2.79	4.58	2.87	4.03	2.27	42.24
1901..	3.65	1.57	3.50	6.82	6.80	9.70	3.64	10 82	2.90	1.93	0.98	7.86	60.17
1902..	2.34	4.90	3.70	1.93	1.80	6.80	0.90	3.55	3.20	2.17	2.56	2.26	36.11
1903..	3.04	5.82	4.75	5.15	0.50	2.68	4.75	4.10	1.00	1.40	3.95	2.55	39.69
1904..	2.15	1.60	4.35	4.00	2.60	4.45	4.50	5.40	0.38	0.01	2.90	3.04	35.38
1905..	2.48	3.98	2.18	1.91	5.29	2.33	9.55	3.42	2.31	2.54	0.70	3.21	39.90
1906..	5.62	0.56	3.14	2.70	2.51	5.84	6.26	6.95	2.28	4.21	3.25	3.65	46.97
1907	1.14	1.67	3.42	3.18	3.39	11.44	7.01	5.37	5.50	1.01	2.94	3.56	49.63
1908..	3.85	3.02	3.70	3.75	3.57	4.78	3.07	4.41	2.12	4.09	2.31	4.62	43.29
Mean	3.21	3.74	4.16	3.23	4.17	5.12	4.50	4.46	2.73	2.49	2.44	3.27	43.52

BRISTOL, VA.—WASHINGTON COUNTY.

Elevation, 1676 feet.

1894..	2.43	2.42	1.77	1 80	3.75	3.18	3.63	7.06	3.35	1.57	1.17	3.70	35.83
1895..	5.59	1.93	4.00	1.63	3.22	3.48	7.06	5 21	0.05	2.06	2.36	1.59	38.18
1896..	1.59	2.51	7.87	1.94	3.00	......	7.74	7.63	3.17	1.05	5.47	1.60	......
1897..	2.17	9.20	8.28	3.39	3.37	4.07	6.13	3.18	0.66	1.25	0.69	3.94	46.33
1898..	4.02	0.97	4.64	2.88	3.93	3.49	5.70	4.17	5.59	5.04	2.32	1.44	44.19
1899..	3.02	4.91	9.01	2.37	3.80	2.83	5.07	2.18	2.93	1.22	1.28	2.56	41.18
1900..	1.37	3.28	5.04	1.35	1.53	2.26	6.28	2.98	3.02	1.60	3.56	1.88	34.15
1901..	2.20	1.61	3.48	3.58	6.16	8.18	7.14	8.55	2.00	2.30	0.97	8.07	54.24
1902..	2.77	4.94	3.88	0.97	1.68	7.72	2.05	3.55	2 84	2.14	2.55	2.11	37.20
1903..	2.86	6.32	4.12	5.14	1.00	1.70	7.92	1.55	0.55	1.45	3.65	1.75	38.01
1904..	1.87	1.56	3.10	2.47	2.23	4.68	3.98	3.09	T.	T.	3.91	3.80	30.69
1905..	2.60	4.73	2.79	3.07	2.20	2.42	7.62	3.10	0.60	3.22	1.07	3.37	36.79
1906..	4.26	1.00	3.24	2.55	3.40	6.07	5.64	4.86	3.73	2.65	4.55	3.84	45.79
1907..	1.92	2.20	3.88	3.71	1.95	5.73	5.09	2.67	3.85	1.27	4.72	3.35	40.34
1908..	3.00	3.34	3.65	4.83	4.55	4.55	4.37	3.05	1.90	2.25	2.60	6.09	44.18
Mean	2.80	3.39	4.58	2.78	3.05	3.88	5.69	4.19	2.28	1.94	2.72	3.24	40.54

BIG STONE GAP, VA.—WISE COUNTY.

Elevation, 1540 feet.

1891..	3.00	5.00	8.68	2.33	4.08	7.27	4.01	6.28	1.40	1.81	3.49	4.82	52.17
1892..	5.79	3.84	3.68	9.07	5.10	7.55	4.27	2.81	1.59	0.38	6.15	2.65	52.88
1893..	3.15	7.53	2.90	4.83	6.96	4.63	6.15	3.32	2.38	5.37	3.15	2.37	52.71
1894..	2.41	6.16	2.34	3.52	5.23	3.70	3.94	4.17	1.70	1.87	1.71	4.87	41.62
1895..	6.83	1.48	5.73	2.23	4.13	4.40	6.62	5.25	1.97	2.20	2.81	3.35	47.00
1896..	1.43	3.83	12.73	2.46	1.92	3.77	9.90	5.50	4.19	2.71	4.48	1.00	53.92
1897..	3.11	8.25	9.82	4.61	3.95	3.62	6.78	2.85	0.99	0.60	1.31	4.77	50.66
1898..	6.40	1.85	4.64	2.56	5.18	4.86	10.23	9.72	1.88	4.09	3.68	3.05	58.14
1899..	4.42	6.32	11.50	2.01	6.10	2.70	6.12	3.13	3.26	1.73	1.40	3.85	52.54
1900..	2.93	5.24	4.94	1.78	1.54	5.13	6.06	4.93	4.30	2.59	7.03	2.43	48.90
1901..	4.33	1.39	4.64	5.25	5.80	5.92	2.84	10.60	2.99	0.91	1.21	9.89	55.77
1902..	4.87	5.01	6.25	2.14	2.26	7.15	3.50	2.69	4.58	1.63	4.02	3.95	48.05
1903..	2.42	8.72	5.06	7.43	2.60	2.22	3.85	3.07	2.00	1.94	3.64	3 85	46.80
1904..	3.54	2.44	5.20	2.98	3.90	4.71	3.19	2.72	0.93	0.98	3.35	5.12	39.06
1905..	3.57	4.24	3.60	2.99	3.32	5.23	3.53	5.18	3.17	4.12	1.72	4.00	44.67
1906..	3.66	1.55	4.36	4.22	3.40	4.27	7.22	8.58	4.42	2.80	7.00	6.00	57.48
1907..	2.50	4.56	5.21	4.05	4.32	7.71	5.66	5.53	5.62	2.76	8.35	3.69	59.96
1908..	2.97	4.18	5.92	4.60	3.79	2.73	3.88	4.24	4.00	2.45	2.26	6.05	47.07
Mean	3.74	4.53	5.96	3.84	4.09	4.86	5.43	5.03	2.85	2.27	3 71	4.21	50.52

SPEERS FERRY, VA.—SCOTT COUNTY.

Elevation, 1221 feet.

1896..	1.22	4.06	8.11	2.20	2.46	4.00	8.82	6.56	4.18	1.88	4.98	1.52	49.99
1897..	2.28	9.48	9.85	4.00	3.66	3.84	6.33	3.76	0.47	0.93	1.27	5.22	51.09
1898..	6.69	2.19	5.08	3.95	4.50	4.71	9.20	8.59	3.42	4.38	3.52	2.29	58.52
1899..	4.02	6.25	8.72	3.02	5.12	4.78	7.15	1.69	4.47	1.55	1.80	3.49	52.06
1900..	3.41	5.33	7.14	1.79	1.58	5.11	6.46	4.82	6 38	2.09	5.12	2.72	51.95
1901..	3.87	1.69	5.41	5.23	5.73	4.23	2.38	10.32	3.78	1 86	1.23	11.15	56.88
1902..	4.00	5.71	7.06	1.44	2.27	7 34	2.63	3.80	6.79	2.17	2.90	3.84	49.95
1903..	2.72	8.18	6.18	5.72	1.82	3.90	2.82	2.40	1.14	2.04	3.78	2.42	43.12
1904..	3.28	3.22	5.16	2.98	3.98	4.96	4.06	3.24	1.31	0.70	4.05	5.75	42.69
1905..	3.95	4.48	3.74	3.52	3.48	3.82	4.95	6.69	1.52	4.24	1.90	5.68	47.97
1906	6.06	1.36	4.86	3.18	4.50	2.81	6.77	7.81	6.48	2 98	6.00	6.23	59.04
1907..	2.64	3.29	4.82	5.58	4.63	7.02	5.32	4.06	5.26	1.96	7.30	3.36	55.24
1908..	3.87	6.44	6.73	4.34	4.16	3.50	5.34	4.38	1.98	2.72	2.72	8.10	54.28
Mean	3.69	4.74	6.37	3.61	3.68	4.62	5.56	5.24	3.63	2.27	3.58	4.75	51.74

PREVAILING WIND DIRECTION.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs.													
Bluefield	14	w	w	w	w	w	w	w	w	w	w	w	w	w
Charleston	6	w	w	w	w	w	w	w	w	w	w	w	w	w
Elkhorn	16	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Green Sulphur Springs	14	w	w	w	w	w	w	w	w	w	w	w	w	w
Hinton	12	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Huntington	15	w	w	w	w	w	w	w	w	w	w	w	w	w
Lewisburg	9	w	w	w	w	w	w	w	w	w	w	w	w	w
Logan	8	w	w	sw	sw	se	sw	sw	se	sw	sw	w	w	sw
Nuttallburg	16	n	n	n	n	w	sw	sw	s	w	s	n	n	n
Powellton	14	n	n	n	n	n	n	n	n	n	n	n	n	n
Princeton	9	w	w	w	w	w	w	w	w	w	w	w	w	w
Williamson	9	e	e	e	e	e	e	e	e	e	e	e	e	e
Big Stone Gap, Va	13	w	w	w	w	w	w	w	w	w	w	w	w	w
Burkes Garden, Va	13	w	w	w	w	w	w	w	w	w	w	w	w	w
Marion, Va	5	sw	sw	sw	sw	sw	w	sw	w	w	sw	sw	sw	sw
Max Meadows, Va	12	w	w	w	w	sw	sw	sw	sw	sw	w	w	w	w
Wytheville, Va	15	w	w	w	w	w	w	w	w	w	w	w	w	w

AVERAGE HOURLY WIND MOVEMENT (IN MILES.)

Wytheville, Va	Yrs. 6	6.7	7.5	6.0	6.7	4.9	4.2	3.8	3.5	3.5	4.6	5.6	6.8	5.3

Average Number of Days with .01 or More of Precipitation.

GREAT KANAWHA BASIN	Yrs.													
Max Meadows, Va	12	7	7	8	7	10	10	8	8	6	5	4	7	87
Wytheville, Va	15	10	9	12	10	13	14	13	13	8	6	8	10	126
Burkes Garden, Va	13	9	7	10	8	11	12	10	10	6	6	6	9	104
Bluefield	16	12	12	12	11	11	13	11	11	6	6	9	11	125
Princeton	9	10	11	10	10	10	11	10	8	6	5	8	11	110
Hinton	12	15	16	18	14	14	15	12	12	10	8	11	14	159
Lewisburg	9	10	9	13	12	13	13	12	11	7	6	7	10	123
Green Sulphur Springs	14	7	6	8	8	8	9	8	7	4	4	5	6	80
Nuttallburg	16	8	9	8	7	8	8	7	5	4	4	6	7	81
Powellton	14	12	12	12	11	12	12	11	9	7	6	8	9	121
Charleston	10	13	12	14	13	12	12	10	9	6	6	8	9	126
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	11	10	12	12	12	13	13	11	7	6	8	11	126
Williamson	9	9	9	10	10	9	12	9	8	5	5	6	10	102
Logan	8	14	12	14	13	13	13	14	12	8	8	9	13	143
Huntington	14	10	9	12	10	11	11	11	8	6	6	8	11	113
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va	16	8	8	9	8	11	9	9	10	6	5	5	7	95
Bristol, Va	14	7	7	8	6	6	7	8	6	3	3	4	6	71
Big Stone Gap, Va	17	11	11	12	11	11	11	11	11	6	6	8	11	120
Speers Ferry, Va	11	11	10	13	10	9	11	11	13	7	5	9	10	119

AVERAGE SNOWFALL.

GREAT KANAWHA BASIN	Yrs.													
Wytheville, Va	15	8.6	6.8	3.2	0.6	T.	0	0	0	0	T.	2.6	3.2	23.0
Burkes Garden, Va	13	6.8	6.0	5.6	2.8	T.	0	0	0	0	0.3	2.7	5.0	29.2
Bluefield	16	13.6	8.6	5.3	1.4	0.2	0	0	0	0	T.	2.8	6.2	38.1
Princeton	9	16.6	13.8	7.8	4.9	T.	0	0	0	0	0.2	5.6	9.8	58.7
Hinton	12	5.5	6.6	5.8	1.4	T.	0	0	0	0	T.	2.2	3.3	24.8
Lewisburg	10	8.2	7.4	3.7	1.0	0.1	0	0	0	0	0.2	2.8	4.1	27.5
Green Sulphur Springs	14	7.2	7.4	3.4	0.1	0	0	0	0	0	0	1.0	2.6	21.7
Nuttallburg	16	13.8	11.2	6.1	2.7	0	0	0	0	0	0.2	3.1	6.2	43.3
Powellton	14	9.1	10.7	54.	1.1	0	0	0	0	0	T.	1.2	4.0	31.5
Charleston	8	4.2	7.6	5.5	0.4	0	0	0	0	0	T.	0.7	2.9	21.3
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	8.0	7.6	4.4	1.6	T.	0	0	0	0	0.2	2.9	5.4	30.1
Williamson	8	2.4	4.9	3.8	0.6	0	0	0	0	0	T.	0.7	2.2	14.6
Logan	8	7.1	8.0	5.0	1.6	0	0	0	0	0	0.3	2.6	3.7	28.3
Huntingion	15	5.8	5.7	3.7	0.7	0	0	0	0	0	T.	0.5	2.8	19.2
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va	16	8.6	5.7	3.5	1.1	T.	0	0	0	0	0.2	1.6	3.6	24.3
Bristol, Va	14	4.6	3.1	1.5	0.6	T.	0	0	0	0	T.	0.8	1.4	12.0
Big Stone Gap, Va	17	6.2	5.6	3.5	1.0	0	0	0	0	0	T.	0.8	3.7	20.8

MEAN RELATIVE HUMIDITY.

Station.		Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
		Yrs.													
Wytheville, Va.	8 a. m.	7	85	83	86	79	81	86	88	91	91	85	83	85	85
	8 p. m.		79	74	75	69	72	81	80	84	81	75	73	79	77

MEAN TEMPERATURES.

GREAT KANAWHA BASIN	Yrs.													
Max Meadows, Va	12	34.4	30.9	44.8	51.1	62.5	68.0	71.1	71.0	65.4	53.5	43.1	35.9	52.6
Wytheville, Va	36	33.5	34.8	42.8	51.2	61.2	68.0	71.8	70.0	63.8	53.3	42.7	35.2	52.4
Burkes Garden, Va	13	30.8	28.9	42.3	47.2	56.2	64.1	67.6	66.7	60.4	49.7	40.4	32.0	48.9
Bluefield	16	32.7	31.8	44.3	53.3	62.6	69.1	72.0	71.5	66.5	55.2	44.4	34.8	53.2
Hinton	12	34.8	33.2	46.2	53.1	64.3	70.4	74.5	74.3	68.0	56.1	45.2	36.2	54.7
Lewisburg	10	32.1	30.6	43.9	49.5	61.0	67.6	71.5	70.5	64.8	53.0	41.4	32.7	51.6
Green Sulphur Springs	14	32.5	30.8	44.3	50.6	61.8	68.7	72.6	71.8	66.1	53.8	43.2	33.9	52.5
Beckley	10	31.9	29.6	43.0	48.3	59.7	67.5	72.0	70.1	63.0	54.0	42.3	33.4	51.2
Nuttallburg	16	31.2	31.6	43.4	52.4	62.4	68.6	72.1	70.9	67.2	55.6	44.8	34.6	52.9
Powellton	14	35.7	33.4	46.7	53.3	63.8	70.3	74.1	72.8	66.7	54.3	44.3	35.8	54.3
Charleston	6	38.9	36.9	51.7	55.4	66.3	72.3	76.2	75.3	70.8	57.6	47.6	41.2	57.5
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	36.2	34.5	47.1	52.9	63.0	68.5	72.4	71.3	66.5	55.4	46.0	37.5	54.3
Williamson	8	35.6	34.9	49.3	54.4	66.8	72.1	75.9	75.2	69.9	58.1	45.5	38.2	56.3
Logan	8	37.8	37.5	52.7	56.8	67.6	71.7	75.3	73.3	68.6	58.9	47.2	39.2	57.2
Huntington	15	32.4	30.9	45.8	53.2	65.0	71.5	76.7	74.7	68.9	56.1	43.4	34.4	54.5
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va	25	34.3	35.5	43.6	52.2	62.1	69.6	72.5	71.1	65.4	52.8	43.9	36.4	53.3
Bristol, Va	15	34.5	33.7	46.8	53.1	64.6	70.9	74.2	73.2	68.0	55.3	44.6	35.7	54.6
Big Stone Gap, Va	17	33.6	34.9	46.8	53.6	63.0	70.1	72.6	72.1	66.6	54.7	43.9	36.0	54.0

HIGHEST TEMPERATURES.

GREAT KANAWHA BASIN	Yrs.													
Max Meadows, Va	12	70	69	81	87	96	96	94	94	93	85	77	67	96
Wytheville, Va	36	73	74	80	87	97	93	96	97	97	90	83	73	97
Burkes Garden, Va	13	64	63	76	82	84	88	91	91	87	80	72	71	91
Bluefield	16	70	72	78	89	95	98	97	98	96	87	82	72	98
Princeton	9	64	65	79	80	87	88	89	90	90	82	73	62	90
Hinton	12	69	73	85	91	94	97	98	96	97	85	80	67	98
Lewisburg	10	70	69	84	86	89	92	94	95	97	85	73	65	97
Green Sulphur Springs	14	73	78	87	90	92	95	95	105	95	89	78	72	105
Nuttallburg	16	70	76	85	94	105	98	99	104	107	95	87	77	107
Powellton	14	75	76	89	93	93	96	98	99	99	92	79	71	99
Charleston	6	77	71	87	90	92	93	100	104	100	96	80	70	104
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	70	75	83	87	91	94	95	94	94	84	77	68	95
Williamson	8	75	77	89	89	95	95	98	97	95	90	80	73	98
Logan	8	76	75	91	92	96	100	102	96	94	90	81	71	102
Huntington	15	75	77	87	92	94	97	100	98	99	90	77	71	100
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va	25	69	78	79	85	91	94	97	98	96	88	79	68	98
Bristol, Va	15	70	71	86	88	91	94	96	94	92	86	78	67	96
Big Stone Gap, Va	17	72	71	85	90	92	96	97	95	96	88	77	70	97

LOWEST TEMPERATURES.

GREAT KANAWHA BASIN	Yrs.													
Max Meadows, Va	12	−4	−12	2	20	29	38	44	45	31	17	7	−4	−12
Wytheville, Va	36	−11	−9	−1	17	30	39	43	40	32	18	2	−10	−11
Burkes Garden, Va	13	−20	−15	−3	14	22	34	38	38	25	13	−3	−14	−20
Bluefield	16	−17	−14	0	19	30	35	46	45	33	19	9	−5	−17
Princeton	9	−4	−4	5	15	30	38	46	44	29	18	4	4	−4
Hinton	12	−11	−12	6	23	30	41	49	49	36	21	9	−9	−12
Lewisburg	10	−7	−6	3	18	28	37	45	43	31	17	0	−1	−7
Green Sulphur Springs	14	−20	−16	5	16	28	38	43	42	28	16	5	−17	−20
Nuttallburg	16	−21	−21	1	11	22	34	35	40	29	8	9	−10	−21
Powellton	14	−5	−20	1	12	25	41	46	42	28	16	0	−5	−20
Charleston	6	2	−11	18	23	31	40	51	50	33	20	17	2	−11
GUYANDOTTE AND BIG SANDY BASINS														
Elkhorn	16	−10	−12	3	19	32	38	42	46	33	22	9	−6	−12
Williamson	9	−1	−8	6	21	35	41	53	50	39	22	11	5	−8
Logan	8	2	−9	4	25	33	46	50	44	38	21	11	2	−9
Huntington	15	−14	−24	5	15	31	42	50	50	31	23	11	−3	−24
UPPER PORTION OF TENNESSEE BASIN														
Marion, Va	25	−16	−15	4	15	28	40	41	43	28	18	4	−11	−16
Bristol, Va	15	−15	−20	2	20	30	40	50	46	27	23	11	11	−20
Big Stone Gap, Va	17	−26	−18	3	21	26	33	40	43	25	19	6	−5	−26

FROST DATA.

Stations.	Length of Record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
GREAT KANAWHA BASIN	yrs.				
Max Meadows, Va.	14	October 13	May 1	September 30	May 26
Wytheville, Va	15	October 10	April 18	September 14	May 26
Burkes Garden, Va	13	September 29	May 4	September 14	May 29
Hinton	12	October 23	April 17	October 1	....
Lewisburg	10	October 11	May 10	September 30	May 29
Nuttallburg	16	October 10	May 1	September 24	May 22
Charleston	6	October 19	April 24	October 3	May 10
GUYANDOTTE AND BIG SANDY BASINS	yrs.				
Logan	8	October 24	April 21	October 11	May 22
Huntington	15	October 13	April 19	September 30	May 9
UPPER PORTION OF TENNESSKE BASIN					
Marion, Va	15	October 8	April 26	September 15	May 25
Bristol, Va.	14	October 17	April 23	September 30	May 14
Big Stone Gap, Va.	17	October 11	April 27	September 21	May 23

HYDROGRAPHIC DATA FOR SECTION 74,

Summary of Climatological Data for the United States.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY,

BY R. H. BOLSTER, ASSISTANT ENGINEER.

Preliminary Note: Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.

This section comprises practically all of the Kanawha River and Guyandotte drainages and portions of the Big Sandy and the headwaters of the Tennessee River drainages.

Kanawha River rises in Watauga, Ashe, and Allegheny counties, North Carolina, flows northwestward through Virginia and West Virginia and joins Ohio River at Point Pleasant, W. Va. Above its junction with Gauley River it is known as New River. The headwaters lie in the Appalachian Mountains along the high ridges which form the divides between the drainage basin of this river and Yadkin River on the east and Holston River on the west. The upper tributaries drain narrow valleys of the mountainous region of North Carolina and the slopes are generally steep and the beds rough. The main river cuts the Allegheny front just below Pearisburg, Va., thence its course is through a narrow valley of West Virginia over a rough bed with many falls and rapids. The basin is as beautiful and picturesque as any in the eastern part of the United States. The country on its lower courses, through which the Chesapeake and Ohio Railroad passes, is noted for its scenic beauty. The entire length of the Great Kanawha River is approximately 450 miles and the drainage area is about 12,000 square miles. Coal is abundant on the banks of the river in West Virginia. It falls about 22 feet about 30 miles above Charleston and is navigable by steamboats from its mouth to the falls, a distance of more than 100 miles. The Chesapeake and Ohio Railroad follows the course of the river for about 80 miles.

About the middle of 1908 the Geological Survey began an intensive study of the surface water resources of the Kanawha River drainage basin. This study will give, in the course of a few years, full data relating to the quantity of water flowing in the main stream and its various tributaries down to drainage areas of about 300 square miles. In addition, information will be collected regarding the fall of the main stream and all important tributaries and water power sites so far as funds are available. Weather Bureau records will be utilized to develop the relation between rainfall and run-off. This region, owing to great fall and abundant water supply is destined to become a great center for the development of water power. It also lies in a region where coal is relatively very cheap; hence when water power can successfully compete with power developed by steam in this basin, it is probably safe to say that it can compete with steam in almost any other section of the country, other natural conditions being equal.

Tennessee River is formed by the junction of French Broad and Holston Rivers above Knoxville, Tenn. The course of the river is first generally southwesterly, then westerly and finally northerly to its junction with Ohio River at Paducah, Kentucky. Its drainage lies in the States of West Virginia, Virginia, North Carolina, Georgia, Alabama, Mississippi, Tennessee and Kentucky.

Its principal tributary on the north is Clinch River, the area drained by Holston River in Virginia lying almost wholly in the limits of Washington and Smyth counties.

The extreme southern and southeastern parts of the area are covered by the northward extension of the Great Unaka chain, known as the Iron Mountains. The extreme eastern part is covered by the slopes of the Blue Ridge and its outliers, the Pond and Brushy Mountains. On the north it is closed in by the Walker Mountains, a long ridge which separates the watersheds of the North and South Forks of the stream.

The prevailing rock of the valley floor is limestone. Many of the mountains, however, are capped with sandstone. One of the distinguishing features of the whole basin drained by Holston River is the occurrence of small closed basins or sinks which are found in great numbers on the low divides between the various tributary watersheds. They are so numerous in fact that in many localities it seems impossible that any of the rainfall over areas of a square mile or more can find its way into the streams. There are no channels visible, and in many cases water is seen standing in pools from 50 to 100 feet in diameter, indicating that there are no subterranean passages through which the water finds its way to the streams. Other sinks are dry except after heavy rains.

Springs are numerous over all the basin ranging in size from a discharge of several second-feet to less than a gallon per minute. Many of the smaller streams appear to be fed entirely from this source. A number of streams which at some point in their course sink below the surface of the ground, after flowing there for distances varying from a few rods to one-half a mile or more reappear on the surface.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

MONTHLY DISCHARGE OF NEW RIVER, RADFORD, VA., FOR PERIOD AUGUST 1, 1898—JULY 1, 1906.

[Drainage area, 2720 square miles.]

Month	Discharge in second-feet.				Run-off
	Maximum	Miuimum	Mean	Per square mile	Depth in inches on drainage area
January	33,700	250	4,990	1.83	2.11
February	69,000	1,150	6,680	2.46	2.56
March	69,000	360	8,700	3.20	3.69
April	126,000	1,640	7,180	2.64	2.94
May	173,000	1,150	6,180	2.27	2.62
June	43,500	510	5,730	2.11	2.35
July	124,000	1,150	5,190	1.91	2.20
August	69,800	120	5,670	2.08	2.40
September	30,000	170	3,490	1.28	1.43
October	174,000	510	3,960	1.46	1.68
November	39,600	510	2,660	.978	1.09
December	137,000	510	5,400	1.99	2.29
The period	174,000	120	5,490	2.02	27.36

MONTHLY DISCHARGE OF GREENBRIER RIVER, ALDERSON, W. VA., FOR PERIOD 1896—1905.

[Drainage area 1340 square miles.]

Month	Discharge in second-feet				Run-off
	Maximum	Minimum	Mean	Per square mile	Depth in inches on drainage area
January	22,300	217	2,190	1.63	1.88
February	55,800	220	3,570	2.66	2.77
March	48,200	590	5,150	3.84	4.43
April	19,300	659	2,960	2.21	2.47
May	32,200	315	2,550	1.90	2.19
June	20,500	263	1,350	1.01	1.13
July	13,100	120	1,160	.866	1.00
August	48,700	58	820	.612	.71
September	6,520	46	245	.183	.20
October	22,000	46	458	.342	.39
November	62,400	46	1,030	.769	.86
December	37,700	70	1,780	1.33	1.53
The period	62,400	46	1,940	1.45	19.56

MONTHLY DISCHARGE OF HOLSTON (SO. FK.) RIVER, BLUFF CITY, TENN., FOR PERIOD 1902–08.

[Drainage area 828 square miles.]

January	18,600	235	1,700	2.05	2.36
February	33,000	235	1,960	2.37	2.47
March	19,300	600	2,430	2.93	3.38
April	10,100	600	1,830	2.21	2.47
May	4,900	485	1,250	1.51	1.74
June	21,400	330	1,210	1.46	1.63
July	9,130	213	1,080	1.30	1.50
August	3,870	190	825	996	1.15
September	8,270	190	607	.733	.82
October	8,630	150	521	.629	.73
November	8,130	150	741	.895	1.00
December	7,620	176	1,030	1.24	1.43
The period	33,000	150	1,270	1.53	20.63

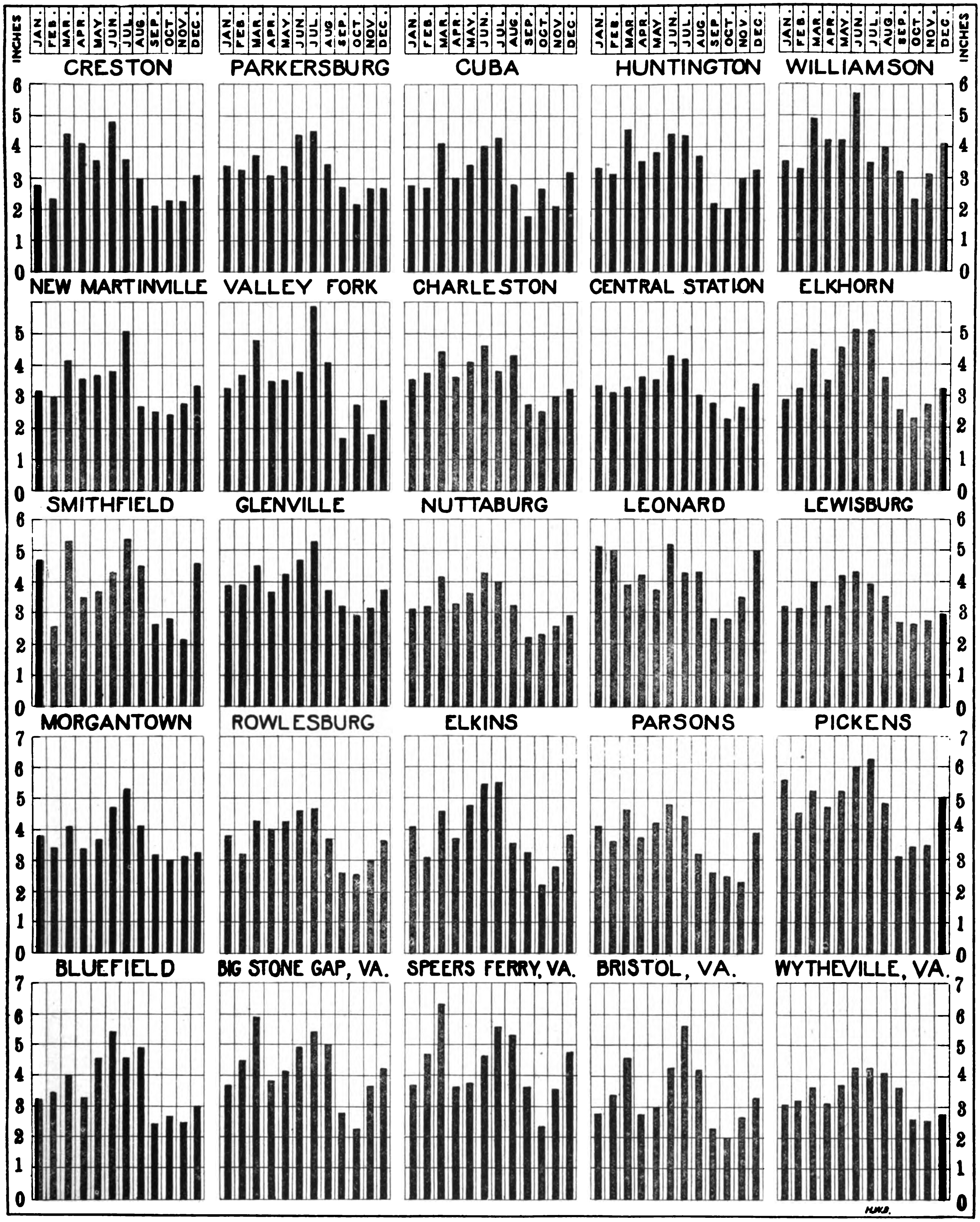


Fig. 1. Diagrams showing the comparative monthly distribution of precipitation.

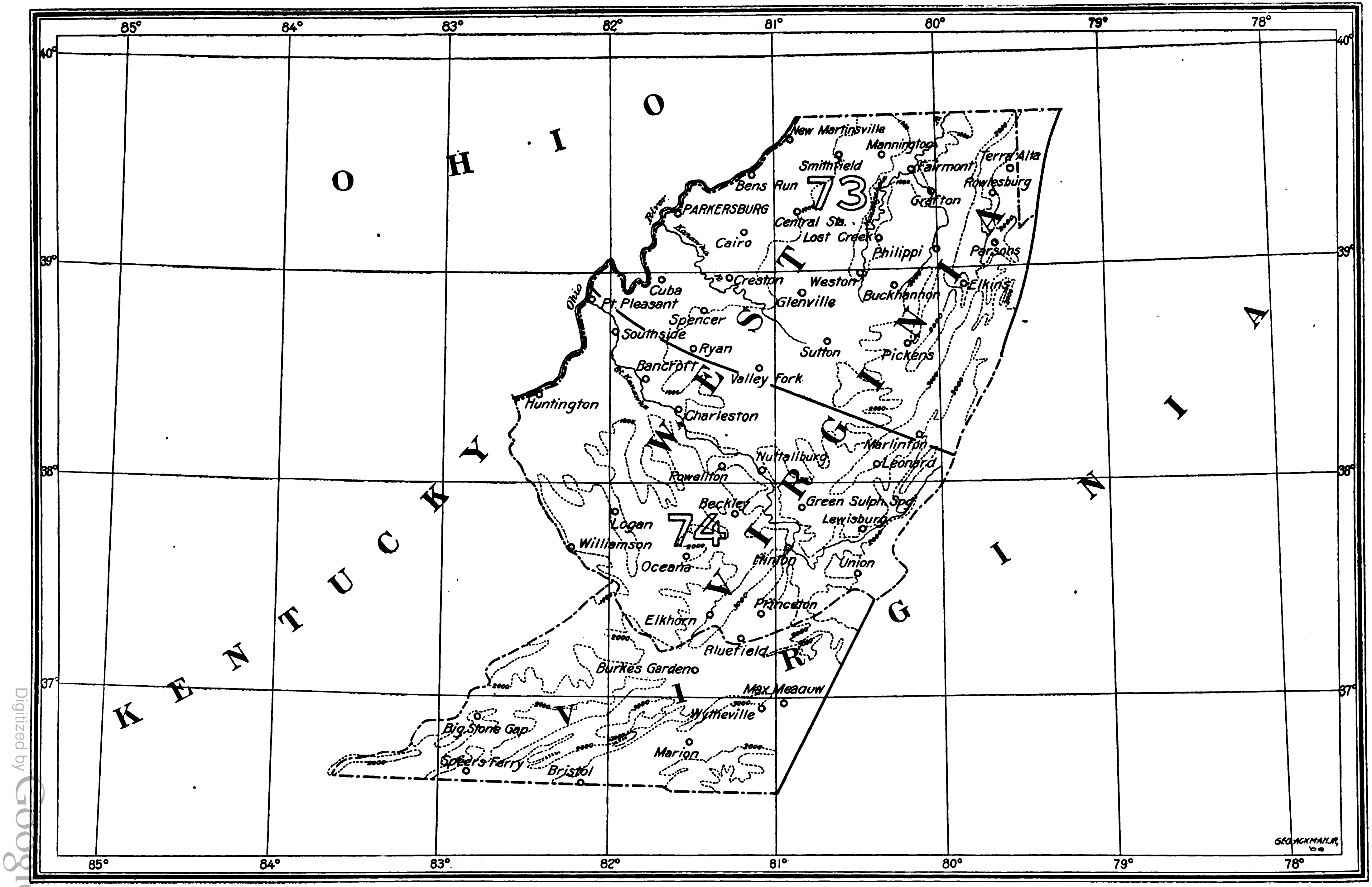


Fig. 2. Chart showing principal points of observation, the drainage basins, and the general elevation.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division—P. C. Day, Acting Chief of Division.

Section 75.—EASTERN KENTUCKY.

PHYSICAL FEATURES AND EXTENT.

The territory covered by this discussion is the eastern half of the state of Kentucky, an area of about 18,000 square-miles and extending from Latitude 36° 30′ to 39° North and from Longitude 82° to 85° West. It embraces practically all of the mountain district of the state, the celebrated Bluegrass region and a considerable rolling table-land extending along and back from the Ohio river. The mountain district comprises about two-fifths of the Section, occupying the eastern and southeastern parts and is rather sparsely populated.

The mountains have the general characteristics of the Appalachian system of which they are a part. They are in long and narrow ranges running from northeast to southwest and separated from each other by deep and even valleys. A number of the ranges are practically unbroken while some are deeply cut by rivers. They all are, or were, thickly covered with hardwood forests, principally white oak, ash and beech. The elevation of the summits of the highest ranges seldom exceeds 3,000 feet.

Bordering upon the mountain region and extending northeast-southwest to the southern boundary of the state, thence reaching westward a number of miles, turns northwestward and continues to the Ohio river, is a region of diversified topography and marked with numerous conical sandstone hills giving it a peculiar appearance from which it has been named the "Knobs". Lying between the branches of the "Knobs" and extending southerly from near the Ohio river somewhat more than half way across the state is the famous Bluegrass region, noted for beauty and fertility, and its excellent grass and fine stock farms. In the northern part of the Bluegrass region and extending to the Ohio river and beyond are located the white burley tobacco soils.

The general slope of the Section is towards the north and northwest, except the southwest corner, where the slope is towards the southwest. The principal rivers of the Section, named in order from east to west, are the Big Sandy, the Licking, the Kentucky and the Cumberland. All of them empty directly into the Ohio river. The first three flow north to northwesterly to the Ohio, while the Cumberland courses southwestward into Tennessee and along the northern border of that state until within a few miles of the Tennessee river where it again enters Kentucky and flows northwestward to its junction with the Ohio. All four of the rivers have their sources in the southeastern mountain district, except that the Big Sandy originates in the mountains of southwestern Virginia. The Licking and the Kentucky rivers are navigable through the lower parts of their courses. The Kentucky has been improved by means of locks and dams which has given navigation to something over 200 miles of the river. These rivers have worn deep channels through the hills and low wountains which they have crossed. These eroded valleys have depths frequently of from 100 to 600 feet. They are seldom more than a mile or two in width, and in many places much less than a mile.

CLIMATIC CHARACTERISTICS.

The climate of eastern Kentucky is temperate, rather equabls and very healthful. The mean annual temperature is about 56°. The average of the three summer months ranges between 70° and 75°, while the average of the three winter months ranges between 32° and 36°. The warmest month is July with an average temperature of about 76° but there is very little difference in temperature conditions between July and August; the latter, however, is usually drier. The coldest months are January and February, between which there is little or no difference in temperature. Day temperatures in mid-summer rarely exceed 100°, while temperatures in excess of 90° have occurred in all months from March to October, inclusive, and temperatures of between 70° and 80° are not unusual during the rest of the months. In the winter season temperatures below zero are not unusual, and they are liable to occur in any year during the months, December, January and February, while temperatures as low as 20° to 28° below zero have been recorded.

The prevailing winds are from the southwest. Southerly to westerly winds prevail practically every month of the year. The average hourly velocity of the wind is from 8 to 12 miles an hour.

The average date of the last killing frost in spring is about the 20th of April, although killing frosts have occurred as late as the 28th of May. The average date of the first killing frost in autumn is about October 15th, although killing frosts have occurred as early as September 14th.

The annual precipitation over the section as a whole averages about 44 inches. The heaviest annual precipitation occurs in the Cumberland River basin, where the average is between 45 and 51 inches. The lightest rainfall is in the Licking River basin, where the average is between 37 and 48 inches. The section is within the normal storm tracks, especially the rain-bearing storms originating in the southwest or on the western Gulf coast. These storms, moving northeastward as a rule, pass up the Mississippi Valley and entering the Ohio Valley bring general and frequent rains to this territory. Hence the precipitation is quite general in its geographical distribution. The greater amounts in the mountain districts are no doubt due to greater condensation incident to elevation. The normal amounts for the several months of the year for the Section as a whole, or in its different physical divisions, do not vary greatly. As a rule the months having the greatest precipitation are March and July, and the least, September and October; however, there are many exceptions to the rule as an examination of the tables discloses. There is great variation in the actual amount of precipitation occurring in the passing months, seasons and years, and the amount depends, primarily, upon the number, character, and force of the general storms before mentioned. As these storms are less frequent in the fall months the rainfall is usually lightest in these months. Droughty conditions quite often prevail, especially in the Bluegrass region. The annual rainfall at some stations in this section has been as low as 26.5 inches, while the same station in other years has had as high as 51 inches. Roughly speaking, there are about three drouthy years in each decade. In the main, however, there is sufficient moisture for the production and maturing of the staple crops. Timely rains occur even in a season of drought, temporarily relieving the situation and preventing serious disaster. On an average there are from 100 to 115 days in the year with appreciable precipitation, while the months average from 10 to 12 days, except the fall months, when the average decreases to from 5 to 9 days.

In the tables accompanying this discussion the precipitation is presented in considerable detail. These tables show the individual monthly and annual amounts and also the means at the various stations in the section where records have been kept. The records of all stations of 5 years or more duration are published in the tables. In a few instances the records of stations of short period have been used to supplement those of another station in a near locality whose record was broken or incomplete. Short breaks have been filled in by interpolation from surrounding stations. The tables have been grouped for convenience, reference, and study to conform to the several large river basins. The diagrams which follow the tables show graphically the average distribution of precipitation for the respective months of the year at representative points in the several divisions.

Tables showing the average number of days with rain during the various months of the year, the extremes and means of temperature, the average relative humidity, prevailing direction and hourly velocity of the wind and the occurrence of frosts are also given, also a chart showing the location of the stations, the approximate elevation of the general surface above sea level and the principal drainage basins.

F. J. WALZ,
District Forecaster.

Precipitation in Eastern Kentucky. Monthly, annual and average amounts (in inches and hunbredths.)

BIG SANDY GROUP.—CATLETTSBURG, BOYD COUNTY.
(Elevation, 544 feet.)

Year.	Jan	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sept	Oct.	Nov.	Dec.	Annual
1887	.....	.....	.....	.....	.....	.....	6.21	1.20	2.35	0.20	2.54	2.06	......
1888	5.02	2.76	3.00	1.90	3.37	2.10	4.87	4.41	3.94	3.44	2.51	0.35	37.67
1889	4.38	1.41	1.61	2.48	4.40	4.69	3.81	1.20	3.08	3.19	3.65	1.82	35.72
1890	3.32	5.95	7.85	6.46	7.27	5.04	3.35	7.70	7.29	3.89	3.27	3.96	65.35
1891	6.54	7.54	5.90	2.77	1.15	4.10	2.98	3.73	1.23	1.66	6.77	5.02	49.39
1892	6.62	3.81	4.70	2.35	4.95	4.78	3.82	1.60	2.56	0.45	3.75	3.12	42.51
1893	0.65	3.66	1.47	5.54	2.59	1.99	2.44	3.56	1.47	7.38	3.00	1.95	35.70
1894	2.54	3.90	1.25	2.72	4.25	2.33	3.42	3.46	3.74	3.42	2.17	4.59	37.79
1895	4.91	0.92	4.21	2.45	2.92	1.93	3.97	2.50	1.10	1.31	2.34	3.55	32.11
1896	1.79	3.54	4.90	1.53	3.32	5.97	6.60	2.86	4.75	2.95	4.27	1.38	43.86
1897	3.21	8.20	4.61	4.65	4.97	4.70	5.90	3.79	0.77	0.23	4.83	3.83	49.69
1898	8.05	2.48	6.93	2.19	4.83	4.52	4.84	6.93	2.10	4.14	2.65	2.83	52.49
1899	6.16	3.89	8.13	2.69	3.29	3.01	3.87	3.38	3.79	1.25	1.71	3.11	44.28
1900	2.92	3.61	2.46	1.04	3.77	4.55	3.68	2.09	1.29	1.29	6.32	2.88	35.90
1901	1.52	1.14	1.95	6.58	3.35	5.17	3.54	3.93	5.47	0.19	2.09	4.41	39.34
1902	4.33	2.16	3.03	2.92	4.58	5.36	4.85	1.21	2.31	2.78	3.15	6.95	43.63
1903	2.31	6.29	4.64	3.79	1.58	4.00	4.65	3.02	0.92	2.88	2.60	1.61	38.29
1904	2.32	2.24	4.62	4.30	3.64	3.12	1.28	2.78	1.24	0.72	0.14	3.32	29.72
1905	2.56	2.18	5.40	3.22	7.12	5.16	3.24	7.46	0.52	4.86	3.64	3.54	48.90
1906	3.32	2.26	5.72	1.50	5.10	10.10	4.42	4.20	3.08	2.32	2.68	4.42	49.12
1907	6.78	2.64	4.98	2.74	5.50	8.88	7.16	6.58	2.28	2.30	2.38	2.30	54.52
1908	1.90	3.66	8.56	7.26	4.58	4.26	4.16	0.98	0.50	1.80	1.40	3.22	42.28
Means	3.86	3.54	4.57	3.38	4.12	4.56	4.23	3.75	2.54	2.39	3.08	3.19	43.25

LOUISA, LAWRENCE COUNTY.

1887	.....	.....	.....	.....	.....	.....	1.12	2.54	1.60	0.58	1.50	1.60	......
1888	2.52	1.48	2.40	2.50	7.18	14.00	.....	.....	.....	.....	.....	.....	.....
1889	3.00	1.60	0.21	1.50	5.00	4.15	4.10	1.60	5.20	2.72	6.18	1.28	35.58
1890	3.17	9.02	8.81	5.28	6.47	6.01	3.31	7.99	4.08	2.98	1.84	4.36	63.32
1891	4.11	6.53	6.27	2.00	4.39	8.14	3.85	3.73	1.67	2.51	3.47	3.25	49.92
1892	3.23	1.97	3.63	4.82	3.91	4.70	2.53	1.44	1.97	0.29	4.27	3.58	36.34
1893	1.78	3.67	1.97	5.19	3.04	4.29	3.69	3.51	1.41	6.10	3.32	2.78	40.75
1894	4.12	3.58	1.26	3.37	4.04	3.99	0.17	4.16	2.22	1.67	2.01	4.08	34.67
1895	6.61	1.09	3.87	2.95	4.28	1.85	6.83	2.78	1.35	1.21	1.77	3.23	37.82
1896	1.29	4.20	4.82	2.01	3.51	5.07	5.84	6.44	3.72	2.93	4.07	1.27	45.17
1897	2.10	7.30	4.14	5.34	3.36	3.29	.....	.....	.....	.....	.....	.....	......
Means	3.19	4.04	3.74	3.50	4.52	5.55	3.49	3.80	2.58	2.27	2.99	2.65	42.55

LICKING RIVER GROUP--FALMOUTH, PENDLETON COUNTY.
Elevation, 530 feet.

1887	.....	.....	.....	.....	.....	.....	.....	.....	2.99	0.61	2.95	1.72	...
1888	4.89	2.05	4.05	2.71	2.90	2.76	.....	.....	.....	3.39	5.11	1.23	......
1889	3.69	1.90	1.44	1.31	2.46	7.15	4.65	0.83	3.31	3.32	5.84	1.70	37.60
1890	6.80	7.32	7.11	3.32	3.26	4.64	4.73	5.18	1.44	3.48	3.48	1.88	52.64
1891	4.31	3.67	5.60	1.84	1.75	5.46	8.10	3.51	2.34	1.78	6.95	2.52	47.83
1892	1.76	3.42	2.39	6.38	5.55	4.70	2.73	5.40	2.40	0.95	2.60	1.78	40.06
1893	2.57	4.65	2.26	8.01	3.50	5.36	2.34	1.17	1.06	5.67	2.87	1.99	41.45
1894	2.92	3.09	2.50	3.20	3.03	1.62	0.74	1.88	1.46	1.47	0.72	3.67	26.30
1895	5.62	0.58	1.73	2.70	2.18	2.46	4.06	1.13	0.49	0.84	3.34	4.71	29.84
1896	1.32	1.97	4.18	0.34	3.05	6.82	6.35	2.68	3.73	2.28	5.49	1.38	39.59
1897	2.55	6.76	6.08	4.26	5.51	2.70	5.82	3.41	0.43	0.42	8.49	3.29	49.72
1898	10.20	2.03	6.54	2.53	4.50	2.76	5.76	3.74	2.44	4.96	3.02	3.09	51.57
1899	4.49	3.22	6.56	1.79	3.33	4.15	1.59	2.40	1.54	1.41	2.33	3.69	36.50
1900	2.85	3.29	2.14	1.54	3.50	2.25	5.37	6.27	1.20	2.31	8.06	1.75	40.53
1901	1.01	1.68	2.60	3.67	3.03	3.68	2.34	2.74	2.02	0.84	1.46	4.75	29.82
1902	3.57	0.64	2.48	4.17	5.50	4.89	2.30	2.12	3.24	2.09	3.51	6.25	40.76
1903	2.47	7.25	3.47	4.35	2.22	2.78	2.65	4.36	1.30	2.20	2.04	2.37	37.46
1904	2.88	2.63	7.62	3.00	1.92	3.96	0.96	2.20	1.69	0.67	0.75	4.14	32.42
1905	2.38	2.22	4.09	2.64	7.20	5.65	4.72	5.35	0.82	4.59	4.25	4.25	48.16
1906	3.43	1.27	6.95	0.92	1.02	3.55	4.30	8.96	5.05	1.05	2.96	4.57	44.03
1907	7.75	1.56	5.50	2.58	4.02	6.78	7.97	5.49	2.01	2.80	2.70	2.75	51.91
1908	1.79	5.41	5.86	6.12	5.18	2.95	3.70	0.07	0.70	0.79	1.43	1.92	35.92
Means	3.77	3.17	4.34	3.21	3.55	4.15	4.06	3.44	1.98	2.18	3.65	2.97	40.71

MAYSVILLE, MASON COUNTY.
(Elevation, 524 feet.)

1896	.....	.....	.....	.....	.....	.....	6.43	3.43	3.43	....	3.62	2.03	......
1897	.....	.....	5.77	4.17	5.99	1.48	5.15	.....	.....	.....	....	.....	......
1898	.....	2.05	5.16	1.99	3.27	3.72	6.40	5.47	2.98	3.49	3.00	3.27	......
1899	4.40	2.77	7.44	1.84	3.04	5.54	2.47	5.83	2.92	2.08	1.78	4.39	44.50
1900	2.48	3.60	2.18	1.60	3.43	2.20	2.87	4.01	1.21	1.08	9.34	2.03	36.03
1901	1.24	1.50	2.22	4.29	3.39	5.98	0.99	2.06	2.94	0.98	1.71	4.35	31.65
1902	4.65	0.70	3.20	2.68	4.05	5.48	2.59	1.56	4.78	2.34	3.23	6.51	41.77
1903	2.64	7.58	5.03	3.88	2.41	3.27	3.73	1.25	1.37	2.31	2.10	2.70	38.27
1904	3.18	2.34	7.91	3.81	2.47	4.53	3.54	3.23	2.72	0.47	0.50	3.41	38.11
1905	2.25	2.44	4.48	2.79	8.10	6.53	4.22	4.66	2.22	5.64	4.23	3.95	51.51
1906	3.02	2.11	6.91	0.83	1.70	5.22	4.27	2.11	2.55	1.32	3.69	4.65	38.38
1907	7.35	1.82	5.71	2.90	4.00	6.49	7.09	4.47	2.33	2.71	2.48	2.77	50.12
1908	1.60	5.98	7.64	7.66	4.86	4.70	4.02	2.38	0.76	1.57	1.76	2.77	45.70
Means	3.28	2.99	5.30	2.56	3.89	4.60	4.13	3.09	2.52	2.18	3.12	3.57	41.60

FT. THOMAS, CAMPBELL COUNTY.

Year.	Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug.	Sept	Oct.	Nov.	Dec.	Annual
1855	3.06	0.45	2.51	3.32	2.35	9.30	2.55	5.00	8.50	1.37	7.60	4.90	50.91
1856	1.23	1.80	0.55	0.90	1.00	4.65	3.85	1.37	1.97	2.07	3.70	4.63	27.72
1857	0.96	1.85	0.70	5.33	9.25	4.53	4.10	4.25	1.19	4.06	6.01	4.10	46.33
1858	2.75	1.70	0.90	5.65	16.65	6.95	3.98	6.20	0.75	3.11	2.02	7.42	58.08
1859	2.50	6.20	4.30	7.28	1.70	3.26	1.30	3.27	1.95	2.00	5.87	6.95	46.58
1860	2.03	2.13	0.98	5.62	3.91	1.06	9.61	0.65	5.09	2.16	4.63	2.21	40.08
1861	4.50	2.65	4.49	4.42	7.35	5.19	6.70	4.90	2.92	4.50	3.25	1.35	52.22
1862	3.50	2.25	5.25	4.80	.....	4.65	4.65	1.35	0.75	0.35	3.83	4.40	......
1863	5.83	1.44	3.00	2.20	2.45	2.70	2.93	2.21	3.71	4.20	2.85	2.35	35.87
1864	2.93	0.20	0.40	3.25	2.58	4.70	1.78	3.23	6.15	.....	4.40	2.70	......
1865	2.40	1.25	4.55	3.84	8.31	2.71	7.76	4.40	7.72	0.95	0.25	4.23	48.37
1866	2.65	0.80	4.13	.....	0.62	.....	.....	.....	12.43	0.85	4.95	3.67	......
1867	2.28	4.30	2.85	3.59	3.38	2.76	1.61	1.60	0.51	2.73	2.30	4.15	32.06
1868	5.45	0.65	6.13	4.21	7.71	4.18	2.70	5.05	6.70	0.88	1.33	2.61	47.60
1869	1.30	1.74	4.96	3.00	4.08	2.60	4.15	0.93	2.64	1.87	3.34	2.65	33.26
1870	6.51	1.98	3.40	1.86	1.26	3.84	1.47	1.93	0.11	2.67	1.50	1.92	28.45
1871	1.82	4.40	4.11	1.74	4.95	1.63	3.61	5.33	1.15	0.94	2.26	3.84	35.78
1872	0.77	0.77	0.96	4.65	3.97	3.50	5.10	2.00	2.27	2.20	0.53	1.65	28.37
1873	1.73	2.40	1.21	2.01	3.61	2.80	2.56	3.46	1.84	2.07	1.94	5.40	31.03
1874	2.75	4.48	3.60	3.55	1.70	2.00	2.70	1.20	2.80	1.35	4.40	2.53	33.06
1875	1.44	1.29	3.06	0.80	2.10	5.21	9.41	.....	0.65	2.80	3.90	3.30	......
1876	8.86	2.00	4.00	1.90	0.98	.....	.....	.....	.....	.....	.....	.....	......
1889	2.90	1.61	0.81	1.00	6.94	4.56	4.21	0.52	3.75	2.71	6.28	2.04	37.33
1890	5.30	4.62	6.58	2.75	3.32	6.76	1.75	5.62	3.25	4.37	2.87	0.69	47.88
1901	2.82	3.42	5.33	1.69	1.18	6.32	5.04	4.04	1.74	1.44	5.76	2.41	41.19
1902	1.32	3.52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
Means	3.06	2.30	3.15	3.31	4.22	4.17	4.07	3.11	3.36	2.25	3.57	3.42	40.11

MT. STERLING, MONTGOMERY COUNTY.

(Elevation, 930 feet.)

1889	4.46	0.88	1.82	1.97	3.44	7.70	5.42	1.01	2.47	3.65	4.63	1.44	38.89
1890	4.78	8.37	10.09	4.55	5.29	4.53	4.10	8.68	1.06	3.24	4.99	2.14	61.82
1891	4.35	4.17	7.07	1.66	1.01	5.52	.....	.....	.....	.....	.....	.....	......
1892	.....	.....	4.96	2.75	3.64	5.71	4.81	1.96	5.18	0.49	5.04	3.75	......
1893	2.39	3.89	3.04	7.65	3.62	4.15	5.25	0.93	1.94	4.29	3.48	2.31	42.94
1894	3.52	4.21	1.80	3.24	4.27	4.60	2.36	3.02	1.47	1.60	1.67	5.53	37.29
1895	6.23	1.36	3.86	4.14	3.68	3.30	6.96	3.45	3.18	1.73	2.07	4.44	44.40
1896	1.64	3.62	5.96	1.92	2.41	4.78	9.20	3.79	2.25	1.91	3.07	1.41	41.96
1897	3.24	8.05	6.79	5.60	4.73	5.03	3.09	4.63	0.15	0.16	4.70	5.59	51.76
1898	8.58	2.88	8.17	2.69	4.24	4.56	4.05	2.95	2.77	6.15	3.69	3.84	54.57
1899	7.93	5.74	12.58	3.94	3.89	2.36	4.26	3.35	1.89	2.49	1.71	4.59	54.73
1900	3.35	5.82	3.96	1.26	3.09	2.87	7.12	4.77	1.26	1.43	7.92	3.27	46.12
1901	1.52	0.89	2.30	*5.13	3.59	5.91	2.25	6.44	3.57	1.05	2.12	5.15	39.92
1902	5.57	1.38	4.16	2.13	3.87	4.79	2.98	2.21	2.93	2.08	4.14	8.97	45.21
1903	2.41	7.00	5.84	3.89	1.51	5.66	1.43	2.17	2.17	2.95	3.73	2.55	41.31
1904	3.46	2.79	6.42	3.42	5.69	2.62	4.12	5.52	1.19	0.45	0.31	3.92	39.91
1905	4.31	2.98	6.86	4.57	7.43	6.00	6.12	3.54	2.96	5.31	4.03	3.89	58.00
1906	3.28	2.30	9.10	1.32	3.31	8.23	10.14	6.23	4.73	2.16	3.09	5.05	58.94
1907	10.65	3.24	5.74	3.14	4.88	9.41	4.29	4.31	3.37	2.85	3.57	3.75	59.20
1908	1.83	6.38	8.18	8.08	7.40	1.90	4.87	3.20	0.57	1.83	2.61	3.64	50.49
Means	4.39	4.00	5.94	3.65	4.05	2.98	4.89	3.80	2.37	2.41	3.45	3.96	48.10

SCOTT, KENTON COUNTY.

1897	.....	.....	.....	.....	.....	1.65	5.10	2.30	1.20	0.63	7.67	2.47	......
1898	8.75	2.00	7.02	1.43	3.69	3.50	2.02	5.03	3.11	3.40	2.90	2.85	45.70
1899	3.48	2.30	6.36	1.49	4.68	4.84	3.43	5.25	0.63	1.53	3.03	3.28	40.30
1900	2.65	2.79	1.94	1.50	2.26	2.94	6.18	4.06	0.60	1.40	4.90	1.23	33.45
1901	1.02	1.55	2.36	2.34	4.41	6.57	1.79	1.64	1.06	0.65	1.15	4.07	28.61
1902	2.95	0.63	1.65	3.68	5.58	4.33	2.58	0.86	4.67	1.78	3.52	5.14	37.37
1903	1.82	5.12	4.21	5.14	3.87	3.17	3.89	1.20	3.31	1.19	1.90	1.09	35.91
1904	2.43	2.94	7.91	2.11	4.10	2.23	1.08	0.59	2.28	0.80	0.51	4.08	31.06
1905	1.88	1.77	3.34	2.77	8.17	3.80	1.40	4.96	0.85	5.05	3.46	3.77	41.22
1906	3.47	1.02	6.78	1.20	2.07	5.20	8.19	4.37	5.12	1.25	3.47	3.97	46.11
1907	9.45	0.66	6.86	3.41	3.55	3.67	5.86	3.32	1.40	3.28	2.32	2.58	46.36
1908	1.35	5.47	5.86	4.70	4.44	2.51	1.59	1.15	0.28	0.63	1.40	1.75	31.13
Means	3.57	5.95	4.94	2.71	4.26	3.70	3.59	2.89	2.04	1.88	3.02	3.02	37.92

WILLIAMSTOWN, GRANT COUNTY.

(Elevation, 943 feet.)

1902	.....	.....	.....	.....	.....	5.64	1.31	1.35	2.65	2.56	3.81	5.67	......
1903	2.21	5.57	3.25	3.25	3.18	3.64	4.46	3.36	2.04	2.24	1.95	1.96	37.11
1904	2.59	3.05	7.45	2.28	1.37	2.03	2.03	2.54	2.95	0.53	0.63	3.79	31.24
1905	2.14	1.95	3.30	2.43	7.13	4.77	4.06	4.69	1.92	5.49	3.92	3.63	45.43
1906	3.02	1.30	6.09	1.24	0.63	3.05	6.20	5.47	6.79	1.00	3.32	3.35	41.46
1907	7.39	1.14	5.32	2.40	2.38	4.73	6.14	4.77	1.91	3.65	2.23	2.69	44.75
1908	1.34	4.42	4.27	4.12	3.71	3.44	1.78	0.45	0.31	0.93	1.36	1.72	28.15
Means	3.12	2.90	4.95	2.67	3.06	3.90	3.71	3.23	2.65	2.34	2.46	3.26	38.02

KENTUCKY RIVER GROUP.—BEATTYVILLE, LEE COUNTY.

(Elevation 650 feet.)

Year.	Jan.	Feb.	Mar.	Apr.	May	Jun	July	Aug	Sept	Oct.	Nov.	Dec.	Annual.
1902	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.72	3.50	6.69	......
1903	3.08	8.87	5.06	6.55	1.78	5.19	6.38	3.77	0.37	2.78	2.58	2.86	49.27
1904	3.05	2.18	4.70	2.35	4.34	2.22	4.51	3.50	0.30	0.43	0.70	3.37	31.65
1905	2.14	2.77	4.88	2.85	2.70	7.59	4.26	3.68	2.11	5.66	2.40	3.93	44.97
1906	2.29	1.43	5.64	1.92	3.14	3.52	4.98	5.70	5.30	2.43	3.39	5.77	45.51
1907	6.40	4.00	4.62	3.66	5.87	7.52	5.64	5.70	3.32	2.47	3.80	2.97	55.97
1908	3.04	6.04	7.46	8.42	4.51	2.22	5.76	4.64	1.32	2.50	1.86	4.42	52.19
Means	3.33	4.22	5.39	4.29	3.72	4.71	5.26	4.50	2.12	2.71	2.60	4.29	46.59

BEREA, MADISON COUNTY.

(Elevation, 1070 feet.)

1901	.....	0.70	2.80	4.89	3.78	4.62	2.73	7.45	4.15	0.83	1.73	*5.40	......
1902	6.58	1.19	5.05	1.93	2.77	6.81	2.49	2.69	3.98	2.53	4.33	7.26	47.61
1903	2.01	*7.48	6.39	5.41	2.02	2.97	5.44	3.33	0.66	2.99	4.04	2.59	45.33
1904	3.14	1.63	5.89	2.01	5.10	1.81	2.29	5.01	0.90	0.93	0.57	3.20	32.48
1905	2.16	2.54	6.02	3.49	5.27	6.66	4.01	4.97	2.06	5.47	2.50	4.61	49.76
1906	3.20	1.84	5.93	1.41	3.02	4.91	3.10	4.28	3.86	1.55	2.82	6.08	42.00
1907	7.48	3.59	4.05	2.58	5.10	4.78	2.85	3.74	3.52	1.90	5.37	3.74	48.73
1908	2.99	5.33	6.58	4.01	3.95	3.60	6.00	3.44	1.04	0.94	1.57	2.80	42.25
Means	3.94	3.04	5.34	3.22	3.88	4.52	3.62	4.36	2.52	2.14	2.87	4.46	44.02

* Record partly interpolated from surrounding stations.

CARROLLTON, CARROLL COUNTY.

1892	.....	.....	.....	2.05	6.01	1.95	3.80	2.30	3.10	0.75	2.70	1.00	......
1893	2.90	3.90	1.75	11.10	5.00	3.47	2.52	1.03	4.45	3.48	2.25	3.04	44.89
1894	1.56	3.82	2.34	2.93	3.47	2.70	1.55	1.57	4.89	0.97	0.36	4.26	30.42
1895	3.95	0.50	1.16	1.85	2.64	3.72	2.74	2.29	0.57	0.66	6.27	3.54	29.89
1896	1.16	2.58	3.94	0.44	6.48	5.30	5.06	2.82	4.62	1.65	3.90	2.10	40.05
1897	2.54	6.75	6.47	2.96	3.10	2.98	5.89	1.79	0.18	0.83	8.11	2.99	44.59
1898	8.88	1.25	9.20	1.08	5.20	2.90	1.68	2.82	4.61	2.77	2.75	1.99	45.13
1899	3.30	2.04	.....	1.54	3.62	4.84	1.62	2.37	0.90	1.95	3.24	3.44	......
1900	2.42	2.86	1.46	1.74	5.68	2.58	5.37	3.10	0.80	1.54	5.56	1.38	34.49
1901	0.36	0.82	1.62	1.11	1.84	4.54	0.40	1.61	2.31	0.46	0.86	1.56	17.49
1902	3.76	0.46	1.26	2.24	3.62	.....	2.79	1.04	3.50	2.26	3.38	5.52	......
1903	2.26	6.24	3.22	3.78	....	.....	.....	.....	.....	.....	.....	.....	......
Means	3.01	2.84	3.24	2.74	4.24	3.50	3.04	2.07	2.72	1.57	3.58	2.80	35.87

FRANKFORT, FRANKLIN COUNTY.

1882	.....	.....	.....	.....	.....	.....	.....	2.42	3.47	1.42	1.48	2.25	......
1883	3.05	10.15	2.94	5.94	3.83	6.40	3.32	0.54	2.24	6.17	4.35	5.42	54.35
1884	5.05	8.56	5.12	3.32	5.19	2.80	3.97	1.66	6.07	1.64	1.99	4.16	49.53
1895	6.42	2.91	1.31	4.87	5.07	2.97	1.61	1.88	3.64	4.78	3.38	2.69	41.53
1886	3.67	3.18	4.44	5.44	4.03	5.01	2.51	4.35	2.90	0.89	6.18	3.52	46.12
1887	4.30	9.43	2.88	6.29	5.00	2.40	3.17	2.06	5.68	0.62	3.01	3.66	48.35
1888	4.60	2.23	5.05	3.68	3.93	3.05	2.41	10.85	2.15	3.51	4.51	1.64	47.61
1889	3.30	2.25	1.05	1.33	4.10	4.82	8.59	0.99	7.01	1.65	6.82	2.36	44.27
1890	6.47	8.18	8.76	3.95	4.91	4.98	4.50	3.30	1.65	2.93	5.18	3.80	58.61
1891	5.41	3.97	7.57	1.96	3.10	2.63	3.17	7.97	2.12	1.07	3.56	3.45	45.98
1892	1.50	2.35	2.47	4.45	10.05	4.00	0.85	1.00	2.70	0.25	0.90	1.60	32.12
1893	1.65	3.37	3.35	7.60	3.55	.....	.....	.....	.....	.....	.....	.....	......
1894	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
1895	.....	.....	.....	2.45	3.77	5.80	5.22	0.16	T.	1.11	2.73	5.20	......
1896	1.35	1.99	6.35	0.69	4.09	4.44	10.28	3.26	5.01	1.10	5.24	2.93	46.73
1897	2.97	5.28	6.29	5.58	3.71	4.12	*3.27	1.16	0.33	2.18	5.31	2.83	43.03
1898	8.82	.....	8.62	2.69	3.98	6.62	3.86	3.94	3.04	3.63	.....	.....	......
1899	†4.50	3.20	8.53	2.39	2.10	2.25	1.23	3.22	1.58	1.48	1.20	4.12	35.80
1900	2.33	3.45	2.37	1.63	3.29	1.85	2.24	5.26	1.84	2.45	7.71	1.96	36.38
1901	†1.00	1.22	3.66	2.91	2.28	3.81	1.16	2.59	2.73	0.55	0.35	2.80	25.06
1902	4.52	0.81	3.36	1.72	6.53	5.50	1.68	1.16	4.74	2.29	3.80	6.90	43.01
1903	2.28	8.13	3.78	4.66	1.03	3.99	3.54	2.39	0.72	2.50	3.14	2.26	38.42
1904	2.18	2.46	7.02	2.90	2.27	3.01	1.55	4.12	1.67	0.38	0.73	4.26	32.55
1905	2.16	2.25	4.11	2.27	4.04	7.65	3.91	5.20	2.04	4.08	5.04	4.16	46.91
1906	3.08	1.38	7.56	1.15	1.66	4.98	7.07	4.69	10.56	0.80	4.29	5.17	52.39
1907	10.37	1.86	4.31	3.02	3.07	4.63	5.58	5.22	0.95	3.52	1.21	3.28	47.02
1908	1.46	6.01	8.38	8.61	3.51	1.90	6.33	0.87	0.37	0.63	2.16	2.65	42.88
Means	3.85	4.11	4.97	3.66	3.92	4.15	3.79	3.21	3.01	2.07	3.59	3.46	43.58

† Scaled from chart. * Partly interpolated from surrounding stations.

HIGHBRIDGE, JESSAMINE COUNTY.

1902	.....	.....	.....	.....	3.38	7.77	1.86	4.52	2.52	2.56	3.39	8.50	......
1903	2.06	7.25	4.60	3.77	1.01	1.59	3.23	3.43	0.61	2.01	3.94	2.35	35.85
1904	2.14	1.99	4.56	1.90	3.34	2.12	3.33	1.92	1.55	0.32	0.63	3.39	27.19
1905	3.36	2.24	5.83	3.20	3.39	3.07	8.28	3.57	2.02	3.92	3.14	3.68	45.70
1906	2.71	1.37	6.41	0.53	2.27	4.94	4.82	3.37	4.85	0.83	4.06	5.72	41.88
1907	7.50	2.00	4.02	2.01	4.11	5.30	3.90	4.38	2.93	2.78	2.67	2.95	44.55
1908	1.40	5.12	5.66	7.68	4.42	3.55	3.51	1.46	0.80	0.80	2.14	2.56	39.10
Means	3.20	3.33	5.18	3.18	3.13	4.05	4.13	3.23	2.18	1.89	2.85	4.16	39.04

LEXINGTON, FAYETTE COUNTY.

(Elevation, 989 feet.)

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Annual.
1858	2.12	3.25	1.13	4.37	5.00	7.25	4.12	2.37	0.87	2.37	2.00	7.62	42.47
1859	3.25	8.25	4.12	5.75	0.75	1.75	3.50	5.25	4.25	1.25	2.50	7.25	47.87
1860	4.50	2.62	0.50	5.25	2.50	1.13	5.25	2.50	3.75	1.25	5.25	2.50	37.00
1861	3.00	1.75	2.50	4.50	7.00	5.25	2.25	6.75	3.00	3.25	6.25	2.25	47.75
1862	9.25	7.00	6.61	6.46	1.87	3.44	3.22	2.09	0.97	1.85	2.41	2.16	47.33
1863	7.72	5.50	5.52	2.11	2.97	6.20	0.95	3.36	1.20	4.33	2.56	3.46	45.88
1864	2.46	1.17	2.47	2.00	3.03	1.05	1.13	6.53	5.52	3.02	7.59	5.06	41.03
1865	3.64	3.30	5.88	6.52	8.98	4.05	5.05	4.69	7.17	1.55	0.59	8.94	60.36
1866	4.68	3.35	3.17	3.83	2.03	4.91	9.96	2.61	5.31	2.88	5.63	2.82	51.18
1867	3.19	9.60	8.61	3.67	4.66	4.86	5.83	1.26	1.17	0.78	3.01	6.24	52.88
1868	4.65	2.09	3.47	4.34	6.05	6.34	1.83	6.27	8.63	2.02	2.33	3.45	51.47
1869	2.67	2.54	3.48	5.17	3.46	4.74	5.63	4.29	3.62	1.63	4.09	3.85	45.17
1870	9.93	4.17	5.34	3.93	3.59	3.64	4.85	4.84	3.61	2.24	2.46	2.36	50.96
1871	3.21	4.91	3.39	2.26	6.85	4.54	1.75	3.45	3.97	2.64	2.83	4.18	43.98
1872	0.95	3.70	2.59	7.36	3.45	4.17	4.96	3.55	1.57	2.13	1.21	3.30	38.94
1873	2.53	4.05	3.73	2.89	6.05	4.49	3.37	2.94	1.60	5.47	2.12	4.48	43.72
1874	5.41	4.89	5.90	6.81	0.79	3.55	6.26	1.57	2.89	0.92	4.27	3.83	47.09
1875	2.06	3.12	6.18	2.06	2.43	4.16	11.24	0.62	1.72	2.37	5.87	3.68	45.51
1876	6.06	1.66	3.63	4.20	2.16	4.13	3.84	.....	.....	.....	.....	.....	.....
1887	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.02	2.71	.....
1888	4.39	2.93	5.82	3.17	3.29	2.97	4.21	8.76	1.22	3.02	5.15	1.88	46.81
1889	5.66	1.78	1.63	1.52	3.53	3.49	5.82	1.15	6.79	3.06	5.34	1.73	41.50
1890	5.34	8.13	9.91	3.59	4.71	7.43	3.14	7.32	1.82	2.38	3.54	4.05	61.36
1891	4.70	4.36	7.63	1.85	1.17	5.33	3.23	6.48	1.26	1.33	5.35	2.82	45.51
1892	2.35	3.10	4.01	6.57	5.32	3.81	6.22	3.28	4.10	0.45	3.72	3.03	45.96
1893	2.10	4.44	3.30	5.81	3.88	4.24	3.11	1.86	2.25	5.59	3.36	2.61	42.55
1894	3.58	3.35	2.13	4.19	3.81	4.44	0.87	3.67	4.05	1.40	1.38	3.45	36.32
1895	5.60	0.52	2.79	3.17	4.05	2.93	5.07	1.56	0.33	1.28	2.52	5.50	35.32
1896	1.25	3.15	5.41	0.40	3.20	3.74	10.39	3.37	4.25	1.27	4.30	2.56	43.29
1897	2.59	6.33	6.55	5.80	4.48	4.77	4.34	3.21	0.80	0.38	4.83	5.11	49.19
1898	9.56	2.20	8.18	3.29	6.13	7.94	5.72	2.99	3.55	5.27	2.89	2.80	60.52
1899	6.69	2.84	8.61	2.16	3.63	2.55	0.97	4.18	1.90	2.09	1.70	2.92	40.24
1900	2.13	3.17	1.98	1.23	3.54	2.19	2.80	5.75	1.85	0.79	6.38	1.86	33.67
1901	1.49	0.62	2.23	4.52	2.67	3.70	2.61	3.74	2.18	1.33	1.73	3.50	30.32
1902	4.77	0.90	2.92	1.27	2.43	5.19	2.33	1.89	2.60	2.11	3.09	6.60	36.10
1903	1.68	6.16	3.24	3.29	1.75	2.71	2.62	1.49	0.81	2.12	2.84	1.99	30.70
1904	1.92	2.38	4.75	3.08	2.60	2.51	3.13	2.44	1.71	0.57	0.53	3.10	28.72
1905	2.04	2.13	5.87	2.87	5.54	3.31	4.94	4.11	3.20	3.45	3.58	4.13	45.17
1906	2.29	1.84	6.45	1.11	3.15	4.68	3.89	4.92	5.03	0.74	3.95	4.54	42.59
1907	9.06	1.89	4.13	1.83	3.89	3.65	4.42	2.07	2.72	2.76	2.67	2.28	41.37
1908	1.85	4.81	8.17	4.99	4.20	2.12	3.60	2.98	0.38	0.72	1.65	2.13	37.60
Means	4.06	3.60	4.60	3.73	3.76	3.96	4.21	3.65	2.91	2.16	3.44	3.73	43.99

Observations from 1858 to October, 1872, inclusive, were taken at Chilesburgh about 12 miles east of Lexington.

OWENTON, OWEN COUNTY.

(Elevation, 700 feet.)

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.07	.....	3.00	.....
1889	2.32	2.03	0.87	1.20	7.01	3.64	*8.15	0.32	4.52	1.50	6.64	2.20	40.40
1890	6.30	*7.50	9.60	.....	2.70	5.30	4.30	.....	.....	.....	.....	.....	.....
1896	1.33	2.49	5.11	0.25	5.48	4.82	8.41	2.76	4.46	1.82	6.10	2.35	45.43
1897	2.71	5.81	8.39	7.07	4.38	2.95	4.07	2.21	0.18	0.73	9.29	3.74	51.53
1898	11.70	2.25	9.51	2.25	4.06	3.35	3.88	4.97	4.42	3.46	3.13	2.84	55.82
1899	5.88	4.18	6.61	2.91	4.15	3.62	2.39	3.80	1.50	1.70	3.19	5.17	45.10
1900	4.94	4.78	3.03	2.29	5.23	2.75	2.75	3.84	1.33	1.57	8.06	1.44	42.01
1901	1.46	1.61	3.63	3.06	2.89	5.31	2.29	1.42	2.72	1.15	1.74	5.49	32.77
1902	3.87	3.00	3.26	2.82	5.17	6.35	4.07	1.69	3.30	1.90	5.43	7.42	48.28
1903	3.78	7.43	4.96	4.87	3.00	3.75	2.96	4.45	2.43	1.93	2.76	3.05	45.37
1904	3.21	4.02	7.54	2.74	2.01	2.38	3.70	1.92	2.34	0.42	0.44	4.69	35.41
1905	2.85	2.21	4.55	3.18	7.97	4.10	3.58	4.38	.....	6.07	4.42	4.73	.....
1906	4.46	1.75	4.83	1.43	4.05	6.68	6.23	3.06	5.09	1.17	4.81	5.64	49.20
1907	10.25	0.86	6.82	3.09	4.10	3.93	2.92	5.03	2.96	3.45	*2.69	3.37	49.47
1908	2.82	5.67	6.15	5.68	.....	2.08	2.14	0.45	0.32	0.70	1.89	2.43	.....
Means	4.53	3.71	5.66	3.06	4.44	4.07	4.13	2.88	2.73	1.98	4.33	3.84	45.06

* Partly interpolated from records of surrounding stations.

SHELBY CITY, BOYLE COUNTY.

(Elevation, 1087 feet.)

1892	.....	.....	.....	.....	.....	.....	1.44	.....	4.58	.....	3.92	4.27	.....
1893	2.68	3.71	3.41	5.54	5.66	6.16	2.34	1.67	1.93	2.28	3.22	2.73	41.33
1894	2.63	4.07	1.98	2.15	2.82	2.98	0.75	2.84	2.12	1.13	1.71	4.17	29.35
1895	6.86	0.80	3.74	3.57	3.52	3.32	3.71	1.77	0.50	1.68	.....	4.53	.....
1896	0.15	2.92	6.06	0.53	3.77	3.63	10.92	2.06	.....	.....	.....	.....	.....
1897	.....	.....	.....	.....	.....	1.51	4.83	1.59	0	0.18	3.88	4.17	.....
1898	9.55	2.29	9.24	3.62	3.80	1.91	6.36	3.77	5.93	5.39	2.74	3.74	58.34
1899	7.80	4.92	8.08	3.44	4.14	2.33	3.86	3.80	2.13	3.47	1.68	3.94	49.59
1900	2.92	5.08	4.32	2.16	2.25	4.56	4.08	3.62	1.66	0.57	8.73	2.32	42.27
1901	1.89	0.58	3.56	5.05	2.82	4.20	2.95	3.90	3.49	0.99	1.63	4.82	35.88
1902	7.65	0.67	5.51	2.37	3.44	4.66	3.39	3.41	3.03	2.41	4.33	9.60	50.50
1903	2.37	8.96	5.52	4.63	2.61	1.87	4.06	3.80	0.36	2.86	3.89	2.86	43.79
1904	2.77	1.97	4.64	2.05	6.24	2.64	2.39	3.50	2.09	0.28	1.00	3.98	33.55
1905	2.43	2.70	6.60	2.79	3.15	4.49	5.82	3.89	2.38	3.85	2.78	4.23	45.11
1906	3.86	2.38	6.85	1.94	3.25	5.12	6.71	3.00	8.39	2.05	3.84	5.94	53.33
1907	6.93	3.16	4.09	2.28	5.73	5.86	4.21	2.91	2.59	1.84	4.05	2.76	46.41
1908	2.07	5.36	5.95	6.58	4.10	2.74	3.25	3.39	0.70	0.77	2.90	2.16	39.97
Means	4.17	3.31	5.30	3.25	3.82	3.62	4.18	3.06	2.62	1.98	3.35	4.12	43.80

RICHMOND, MADISON COUNTY.

(Elevation, 928 feet.)

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Annual.
1884	.....	.....	.....	.....	2.43	3.21	6.35	1.74	3.90	2.29	1.58	2.76	.....
1885	6.54	5.75	1.04	4.04	3.60	2.45	2.35	1.90	2.32	4.88	3.00	2.55	40.42
1886	.....	5.62	5.02	3.98	4.96	.....	.....	.....	2.67	0.78	4.34	3.89	.....
1889	3.67	1.36	2.98	0.51	3.92	3.40	6.48	2.50	5.32	4.05	4.32	1.08	39.59
1890	1.25	*5.68	7.92	4.14	4.06	.....	.....	.....	.....	2.71	3.01	3.59	.....
1891	.....	4.45	8.75	2.07	1.13	.....	1.75	.....	0.43	.....	4.40	3.26	.....
1892	5.57	1.91	4.01	2.72	3.59	.....	3.60	0.80	2.45	T.	4.39	.....	.....
1893	6.37	.....	2.54	4.75	3.28	.....	.....	.....	.....	.....	.....	.....	.....
1894	.....	.....	1.15	3.60	3.45	.....	.....	.....	.....	3.00	0.15	*6.32	.....
1895	2.30	.....	1.85	2.30	.....	.....	.....	.....	.....	0.32	2.00	3.05	.....
1896	.....	2.60	5.70	.....	1.65	.....	.....	.....	3.14	1.12	3.03	1.22	.....
1897	2.13	7.68	5.99	6.77	3.42	3.65	5.90	4.39	0.53	0.46	3.02	4.15	48.09
1898	8.37	1.83	7.10	3.18	4.72	3.35	7.28	4.64	5.15	5.92	2.92	3.86	58.32
1899	7.68	5.34	8.80	3.16	3.68	1.66	2.55	3.23	2.31	3.33	1.66	4.60	48.00
1900	2.19	3.29	2.18	2.62	2.17	3.37	3.08	2.40	0.64	.....	.....	.....	.....
1901	.....	1.46	.....	5.17	2.89	3.75	0.30	4.19	.....	.....	.....	.....	.....
1902	.....	.....	4.00	1.26	3.24	6.28	3.92	2.15	1.52	2.70	3.55	7.67	.....
1903	2.03	7.76	3.17	4.07	3.32	2.90	2.44	4.04	0.78	2.95	.....	.....	.....
1904	.....	.....	.....	3.38	4.56	4.22	2.74	3.29	1.61	0.40	0.40	3.25	.....
1905	2.34	2.64	6.36	3.19	3.47	3.15	4.27	6.09	3.67	4.95	2.55	4.27	46.95
1906	3.10	1.89	6.21	1.08	4.63	4.69	4.29	3.08	6.04	1.57	2.19	6.03	44.80
1907	5.66	3.22	3.63	2.65	3.87	4.19	3.45	2.25	2.46	1.12	3.08	3.10	38.68
1908	1.49	4.65	6.00	6.22	4.87	2.73	3.83	2.11	0.79	1.17	2.05	2.22	38.13
Means	4.04	3.95	4.72	3.37	3.50	3.53	3.86	3.05	2.54	2.30	2.72	3.72	44.72

* Interpolated from records of neighboring stations.

SOUTH FORK, OWSLEY COUNTY.

1888	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.90	1.42	2.02	.....
1889	5.80	1.90	4.30	2.55	5.30	1.88	2.03	0.79	12.40	5.10	3.50	0.11	45.66
1890	5.15	2.47	17.58	4.70	.....	5.50	6.50	.....	.....	.....	.....	.....	.....
1891	.....	.....	.....	.....	2.00	.....	5.80	.....	.....	.....	.....	3.75	.....
1892	6.05	.....	5.75	.....	3.65	8.45	2.08	2.19	2.05	0.37	4.02	5.21	.....
1893	3.58	4.17	2.11	3.47	5.86	4.38	3.33	2.00	1.56	3.15	3.37	3.13	40.11
1894	2.18	3.72	1.32	3.08	4.32	3.19	.....	2.65	3.17	1.67	3.06	3.95	.....
1895	7.75	1.50	3.38	4.55	2.71	1.93	5.67	1.77	1.11	2.18	1.52	3.56	37.63
1896	1.32	4.29	6.66	1.46	3.17	4.31	9.33	4.65	2.96	1.59	4.42	3.36	47.52
1897	.....	8.86	8.46	5.16	5.58	3.73	7.53	1.82	0.84	0.91	2.94	4.94	.....
1898	6.80	1.62	4.67	.....	4.94	.....	.....	.....	.....	.....	.....	.....	.....
Means	4.83	3.57	6.03	3.57	4.17	4.17	5.28	2.27	3.44	1.98	3.03	3.29	42.73

CUMBERLAND RIVER GROUP.—ALPHA, CLINTON COUNTY.

1893	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.30	.....
1894	3.08	3.29	2.20	1.74	3.97	2.84	4.85	0.83	1.96	T.	4.78	6.05	35.59
1895	8.80	1.19	5.73	3.85	2.85	5.96	7.46	2.41	1.65	3.60	1.73	5.98	51.21
1896	0.86	3.95	8.69	1.69	5.13	6.01	10.25	2.38	5.22	0.37	6.82	1.60	52.97
1897	4.55	6.20	7.56	7.26	2.35	5.44	9.05	2.64	T.	0.85	4.13	5.21	55.24
1898	10.60	1.92	6.01	5.11	3.66	3.69	7.83	9.86	6.36	5.31	4.32	2.74	67.41
1899	7.73	6.48	12.13	3.95	5.16	4.03	4.43	1.61	2.68	2.83	0.88	5.78	57.69
1900	2.86	6.62	4.07	2.81	0.38	8.82	5.88	2.04	2.35	1.57	8.87	3.42	49.69
1901	3.02	1.41	3.97	6.79	3.27	2.78	2.34	15.50	4.46	1.06	1.50	5.69	51.79
1902	6.28	2.34	9.68	3.37	2.42	6.64	1.01	4.90	5.20	3.03	6.77	7.56	59.20
1903	2.62	10.50	6.83	10.85	3.62	4.69	5.07	5.62	0.74	4.65	3.90	4.85	63.94
1904	3.37	1.39	7.49	2.44	4.78	5.71	1.95	1.85	1.10	0.60	3.10	4.85	38.63
1905	3.79	4.40	6.08	3.25	3.23	4.43	10.48	5.49	1.95	8.00	2.90	6.12	60.12
1906	5.13	1.76	5.95	1.90	1.30	3.70	6.70	5.19	8.13	3.18	2.85	6.70	52.49
1907	3.00	4.10	2.92	2.95	5.85	5.90	3.62	5.15	4.60	2.50	4.80	2.85	48.24
1908	1.30	5.50	3.25	6.04	3.71	1.50	8.92	3.88	1.98	T.	3.52	2.83	42.43
Means	4.47	4.07	6.17	4.27	3.45	4.81	5.99	4.62	3.23	2.50	4.06	4.60	49.11

BURNSIDE, PULASKI COUNTY.

(Elevation, 773 feet.

1885	7.01	3.35	1.85	3.11	5.79	5.36	.....	.....	.....	.....	.....	3.44	.....
1886	4.34	4.90	7.02	6.14	4.99	5.87	4.22	.....	.....	.....	.....	2.08	.....
1887	4.73	10.02	3.48	5.12	4.49	2.30	1.44	.....	.....	.....	.....	3.04	.....
1888	6.19	3.79	5.49	3.44	3.03	3.08	7.98	.....	.....	.....	.....	2.34	.....
1889	4.83	2.55	3.40	3.68	4.82	4.83	6.16	1.00	5.29	2.10	5.60	2.64	46.90
1890	4.92	13.33	7.26	5.47	7.12	5.22	2.26	7.58	4.60	3.06	1.78	4.72	67.32
1891	4.97	9.15	9.49	2.95	1.51	4.68	3.73	4.80	1.34	1.27	5.46	5.68	55.03
1892	4.33	1.88	5.38	7.42	.....	.....	.....	4.41	.....	0.45	4.97	3.52	.....
1893	1.45	.....	1.73	2.77	4.95	4.69	6.82	1.23	2.57	2.74	3.22	3.01	.....
1894	2.40	5.07	1.13	3.33	4.50	.....	.....	.....	.....	.....	2.32	4.00	.....
1895	7.47	1.12	4.39	4.65	4.02	3.46	7.71	3.15	1.11	2.70	2.28	3.38	45.44
1896	1.05	3.67	7.80	1.62	2.47	4.73	8.05	1.90	2.20	0.98	5.04	1.25	40.76
1897	2.75	7.12	7.04	5.51	3.18	4.68	4.77	5.45	0.01	0,65	3.32	4.94	48.82
1898	7.30	1.58	4.68	3.41	2.95	3.10	5.27	6.93	4.42	5.47	3.39	2.69	51.19
1899	6.42	5.65	11.94	4.75	5.65	5.72	5.25	2.23	2.61	2.83	1.36	4.03	58.44
1900	2.48	5.01	3.66	1.37	1.91	6.65	4.79	1.34	4.10	1.13	9.22	2.98	44.73
1901	2.70	1.27	3.35	5.79	3.90	4.67	1.98	11.90	4.86	0.31	1.49	5.03	47.25
1902	5.03	1.33	6.95	2.13	1.60	3.67	0.71	1.70	3.86	3.58	5.16	7.72	43.44
1903	2.75	7.98	5.65	8.30	2.83	3.59	3.15	2.23	0.46	2.84	3.59	3.55	46.92
1904	3.61	1.09	5.67	2.89	4.30	4.30	3.86	5.41	1.90	0.63	2.57	4.15	40.38
1905	2.41	3.25	4.60	3.50	4.40	4.30	5.12	3.71	2.18	5.29	2.67	5.01	46.53
1907	3.28	2.45	6.02	1.26	3.46	4.10	6.27	5.25	6.30	2.36	3.22	5.85	49.82
1907	3.46	4.39	4.51	3.35	6.22	8.70	3.44	3.75	4.93	3.38	3.82	2.82	52.77
1908	2.47	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.89	.....	.....
Means	4.10	4.54	5.33	4.00	4.00	4.43	4.65	4.11	3.11	2.32	3.67	3.82	49.11

EUBANK, PULASKI COUNTY.

(Elevation, 1177 feet.

Year.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Annual.
1893	.....	.....	.....	.....	.....	3.24	5.79	2.79	2.21	1.85	3.37	3.11	......
1894	2.66	4.47	1.84	3.62	6.23	5.18	1.44	4.47	3.46	1.58	2.77	4.07	41.79
1895	6.27	*0.80	*4.38	3.86	2.78	3.84	4.31	1.01	.....	.....	.....	.....	......
1896	.....	4.08	8.14	0.94	2.97	4.16	*6.70	5.34	4.30	0.71	5.16	1.55	......
1897	*2.94	7.59	6.69	7.10	3.89	2.20	6.37	2.46	.....	*0.37	2.34	3.59	......
1898	8.56	2.41	5.76	3.73	4.93	5.65	4.16	3.40	7.69	6.35	3.93	2.55	59.12
1899	6.22	4.82	11.53	4.17	5.95	1.41	4.48	1.32	2.24	2.97	1.72	4.30	51.13
1900	3.42	5.31	5.14	2.10	2.45	4.06	6.46	3.23	3.75	1.50	8.05	2.59	48.06
1901	2.00	1.55	3.45	5.38	3.07	4.73	0.34	6.86	6.19	1.30	1.30	3.79	39.96
1902	6.68	1.49	7.10	1.89	2.33	4.05	1.78	4.54	3.22	2.56	3.98	7.52	47.14
1903	3.04	9.81	4.74	6.97	3.08	3.67	5.71	3.75	1.59	2.20	3.47	3.00	51.03
1904	.....	.....	.....	2.50	2.51	3.77	2.13	3.36	0.87	0.74	1.65	3.53	......
1905	2.15	1.57	6.04	3.43	3.65	6.11	4.98	3.67	4.84	6.08	2.40	3.21	48.13
1906	3.28	1.82	6.34	1.35	3.16	6.10	7.53	2.50	4.12	1.91	3.37	6.41	47.89
1907	4.62	4.48	4.31	2.95	4.09	4.09	4.25	3.70	6.76	3.13	4.32	3.04	49.74
1908	1.64	4.98	5.90	5.95	3.71	1.25	5.90	4.23	1.38	1.08	2.74	0.67	39.43
Means	4.11	3.94	5.81	3.73	3.65	3.95	4.52	3.54	3.76	2.29	3.37	3.53	47.58

MARROWBONE, CUMBERLAND COUNTY.

1894	.....	.....	.....	.....	4.11	3.30	5.38	2.06	2.46	0.62	2.39	3.41	......
1895	6.19	0.42	4.45	4.51	4.76	2.86	6.61	3.05	2.41	2.58	2.39	5.36	45.59
1896	1.42	3.47	8.81	3.94	4.94	3.46	8.54	2.09	4.88	0.70	5.63	2.12	49.50
1897	2.98	6.39	8.58	7.82	2.47	1.47	8.59	2.87	T.	0.70	4.34	3.87	50.08
1898	7.87	1.44	5.47	.....	2.86	.....	.....	.....	.....	2.74	2.77	.....	......
1899	7.27	5.04	10.81	3.16	4.24	2.57	6.13	1.26	4.37	2.00	1.84	4.93	53.90
1900	2.34	5.63	3.39	2.66	1.13	5.41	4.64	0.78	6.85	2.01	.....	.....	......
1901	2.08	0.70	3.82	4.95	2.51	1.95	1.40	6.67	3.75	0.90	1.25	3.92	33.90
1902	5.42	0.73	7.29	3.04	2.46	4.05	1.35	3.89	5.27	2.38	3.80	7.82	47.50
1903	.....	6.46	5.55	5.75	4.20	5.22	6.38	.....	0.10	.....	.....	.....	......
1904	2.96	1.40	6.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
Means	4.28	3.17	6.44	4.48	3.32	3.36	5.45	2.83	3.34	1.62	3.05	4.49	45.08

MIDDLESBORO, BELL COUNTY.

(Elevation 1128 feet.

1891	3.90	8.99	8.55	2.52	3.96	7.90	3.09	3.02	1.52	1.42	3.86	5.40	54.13
1892	6.46	3.41	4.84	7.75	5.97	6.86	1.48	4.45	1.44	0.29	5.58	3.04	51.57
1893	1.16	7.74	2.39	4.79	4.89	4.36	8.23	1.40	2.38	1.60	1.00	2.67	42.56
1894	2.74	4.13	2.19	....	3.19	3.20	.....	2.29	2.04	2.02	.....	3.22	......
1895	.....	.....	1.26	3.26	4.27	3.12	4.94	.....	.....	.....	.....	.....	....
1896	.....	.....	9.74	1.86	3.00	4.81	10.27	0.86	1.79	1.81	5.56	0.49	......
1897	4.03	7.13	9.80	6.75	6.04	4.76	5.33	2.66	0.10	0.91	2.38	5.27	55.16
1898	7.17	1.08	3.35	3.38	4.61	2.96	6.97	5.55	4.82	5.19	4.16	3.62	52.86
1899	5.21	6.69	10.23	3.75	5.79	1.92	3.47	4.56	2.12	2.09	.....	.....	......
1900	.....	.....	.....	.....	.....	5.20	.....	2.51	4.08	*2.49	10.76	5.86	......
1901	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
1902	.....	.....	.....	.....	.....	.....	.....	2.15	1.83	2.53	4.10	5.10	......
1903	2.40	8.94	6.05	5.88	4.11	1.85	5.31	5.31	T.	2.42	2.33	*4.79	49.39
1904	.....	.....	5.84	.....	4.84	2.85	4.00	4.10	.....	0.51	3.56	5.20	......
1905	.....	3.85	3.42	4.37	4.29	5.83	7.03	4.02	4.25	5.51	1.41	4.45	......
1906	4.36	1.77	3.70	2.23	2.92	3.26	10.50	3.92	5.56	1.85	5.31	4.32	49.70
1907	2.83	4.67	4.51	1.89	2.92	7.58	3.57	4.45	5.23	.....	.....	3.46	......
1908	3.99	6.73	3.72	5.89	2.72	4.33	8.71	4.49	2.65	2.94	2.53	4.90	53.60
Means	4.02	5.43	5.30	4.17	4.23	4.42	5.92	3.48	2.65	2.24	4.04	4.12	51.12

* Partly interpolated from record for Williamsburg, Ky.

WILLIAMSBURG, WHITLEY COUNTY.

(Elevation 939 feet.)

1887	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.70	4.10	......
1888	6.31	4.15	4.49	2.21	4.01	3.15	3.50	6.81	2.05	4.20	2.79	1.45	45.12
1889	3.95	2.00	1.77	3.73	4.10	3.00	4.90	2.26	5.77	2.50	5.73	5.15	44.86
1890	6.88	7.82	4.93	3.05	8.15	3.60	4.70	6.85	4.25	3.80	3.93	4.20	62.16
1891	3.90	4.97	6.74	1.80	1.50	8.70	2.30	6.00	0.80	1.40	2.60	3.60	44.31
1892	5.71	2.00	5.35	6.85	8.65	5.35	3.18	8.10	2.30	0.20	6.40	2.25	56.34
1893	2.06	7.34	2.06	3.42	7.19	5.93	6.40	0.86	3.00	2.90	2.30	2.05	45.51
1894	3.10	6.91	2.55	2.77	4.50	4.85	4.91	2.10	1.57	1.10	2.24	.....	......
1895	.....	.....	4.37	3.41	4.95	2.83	6.67	5.70	4.65	3.10	2.35	2.28	......
1896	1.33	4.22	9.90	1.78	4.48	6.11	9.23	5.20	4.50	0.93	4.80	0.95	53.43
1897	3.74	6.68	9.83	6.48	4.40	4.50	7.80	3.00	T.	1.30	3.10	5.60	56.43
1898	8.97	1.71	2.75	3.70	5.07	1.55	7.76	7.55	3.40	4.59	2.40	2.53	51.98
1899	5.77	8.34	8.26	4.23	5.90	2.64	4.46	2.75	3.53	2.87	1.47	3.25	53.47
1900	1.65	4.55	3.84	2.62	1.23	8.20	12.84	2.30	2.67	1.87	8.71	2.12	52.60
1901	3.24	0.91	4.45	7.23	4.73	5.39	4.32	10.58	5.35	0.64	2.04	7.79	56.67
1902	4.12	.....	6.94	2.67	3.17	5.05	1.61	2.91	3.65	2.32	5.86	4.02	......
1903	2.89	7.56	5.08	6.35	2.78	4.15	5.00	3.92	0.60	2.20	3.07	3.44	47.04
1904	2.29	1.09	3.78	2.40	2.90	5.04	2.16	4.66	2.33	0.85	2.10	4.00	33.60
1905	1.73	2.68	3.05	3.13	4.63	4.87	5.08	5.19	2.74	4.93	1.30	4.89	44.22
1906	2.80	1.65	2.62	1.19	2.67	4.30	11.52	4.26	3.83	1.40	2.95	3.86	43.05
1907	1.62	2.75	2.70	2.60	3.40	7.65	5.80	3.55	5.45	.....	5.00	1.30	......
1908	1.98	1.81	3.25	3.40	3.97	2.45	3.35	3.25	3.45	2.15	2.20	3.60	34.86
Means	3.70	4.29	4.70	3.58	4.40	4.73	5.59	4.65	3.14	2.26	3.36	3.44	48.80

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Yrs													
Catlettsburg	17	12	10	13	11	12	11	11	8	6	6	9	11	116
Maysville	12	13	11	15	13	12	12	11	9	8	7	10	12	133
Mt. Sterling	20	10	9	12	10	11	12	10	9	7	6	8	9	114
Scott	11	11	10	14	10	12	11	9	8	6	7	9	11	119
Beattyville	6	11	10	14	12	10	11	10	10	6	6	8	12	119
Berea	8	12	9	13	12	12	11	8	10	7	6	9	12	118
Frankfort	17	10	9	12	9	10	10	8	8	6	6	7	9	106
Lexington	26	13	13	14	12	13	12	11	10	8	9	11	12	138
Richmond	*12	9	8	11	9	10	10	9	8	7	5	7	9	122
Shelby City	15	9	9	12	10	10	9	10	7	6	5	7	9	109
Alpha	15	7	7	9	7	6	8	9	7	5	3	5	8	80
Eubank	14	8	9	10	10	11	10	10	8	8	5	8	9	110
Middlesboro	*12	9	9	12	11	10	11	13	10	6	6	7	9	87
Williamsburg	13	8	9	12	10	10	10	11	10	7	5	8	9	113

* Badly broken.

Mean Temperature.

	Yrs													
Catlettsburg	17	33.8	33.0	47.0	55.2	65.7	73.2	77.3	76.8	70.7	57.7	45.6	36.6	56.0
Maysville	13	32.2	30.4	45.4	53.3	66.6	73.1	77.3	76.4	70.6	57.2	44.6	34.4	54.7
Mt. Sterling	17	32.8	32.4	44.5	53.4	64.3	68.7	75.9	74.4	68.1	55.5	43.7	33.4	55.5
Scott	11	32.4	28.9	44.4	52.0	64.4	71.6	76.9	75.6	70.2	58.0	44.2	36.6	54.2
Beattyville	5	34.3	34.2	47.3	55.0	64.3	72.4	75.6	75.4	70.3	55.8	42.7	35.3	55.0
Berea	8	36.2	33.9	49.0	53.7	65.9	72.0	76.6	74.7	68.8	58.0	46.5	36.9	56.1
Frankfort	22	35.4	34.4	45.2	55.4	65.4	73.6	76.7	74.7	68.5	55.9	46.2	37.1	55.7
Lexington	26	33.5	33.7	43.8	53.4	64.1	72.9	76.0	74.4	69.4	56.3	44.2	36.7	54.9
Richmond	*18	34.3	34.2	46.4	55.0	65.7	73.4	76.6	75.7	71.3	58.7	46.9	37.6	56.6
Shelby City	16	34.4	32.4	46.3	54.3	64.7	71.9	75.3	74.6	70.0	57.8	44.7	35.7	55.0
Alpha	15	39.7	37.5	50.5	57.0	66.9	73.5	76.6	76.6	70.8	59.3	49.1	40.4	58.2
Eubank	15	34.5	32.4	46.9	53.9	64.5	71.4	74.9	74.0	68.4	56.8	44.5	35.8	54.9
Middlesboro	*18	36.3	38.0	48.2	55.8	64.5	72.2	74.4	74.5	68.3	56.6	46.2	38.4	55.9
Williamsburg	*12	37.1	36.7	50.5	55.0	66.6	73.6	77.0	76.5	70.3	59.4	47.3	38.7	57.5

* Badly broken.

Highest Temperature.

	Yrs													
Catlettsburg	13	78	76	91	95	93	99	100	104	98	91	82	70	104
Maysville	12	80	73	87	94	96	101	108	102	103	93	81	70	108
Mt. Sterling	17	68	76	85	90	93	97	100	97	97	88	79	67	100
Scott	12	80	68	85	86	91	96	107	101	102	91	78	67	107
Beattyville	5	76	75	88	89	94	100	100	98	97	90	83	74	100
Berea	8	73	70	88	87	92	96	102	98	96	90	79	69	102
Frankfort	18	75	75	80	92	96	101	103	103	97	92	79	71	103
Lexington	26	72	72	83	88	92	98	102	99	98	88	78	71	102
Richmond	14	75	72	87	90	98	98	108	100	101	92	81	69	108
Shelby City	16	73	71	88	93	98	100	102	100	105	96	80	69	105
Alpha	15	77	76	87	92	98	97	100	100	100	90	83	72	100
Eubank	16	73	74	87	94	99	99	103	102	101	89	80	68	103
Middlesboro	15	70	76	83	94	96	100	99	97	98	90	78	68	100
Williamsburg	13	82	76	90	90	99	99	102	98	98	91	78	73	102

Lowest Temperature.

	Yrs													
Catlettsburg	13	— 5	—22	3	17	31	45	51	50	28	25	11	—11	—22
Maysville	12	— 4	—22	3	20	30	42	47	49	31	22	9	— 9	—22
Mt. Sterling	17	—13	—22	2	21	30	40	48	43	32	22	10	— 6	—22
Scott	11	— 7	—20	3	22	31	42	49	49	29	24	7	—10	—20
Beattyville	5	— 5	—14	12	20	32	44	49	49	34	25	6	— 2	—14
Berea	8	— 6	—12	4	21	32	42	40	48	31	22	6	—10	—12
Frankfort	18	—20	—16	6	16	29	43	49	41	31	20	1	1	—20
Lexington	26	—12	—20	—1	15	30	42	51	51	32	21	2	— 8	—20
Richmond	*18	—14	—24	0	22	30	42	50	48	30	21	11	— 1	—24
Shelby City	15	— 8	—28	—3	20	30	41	46	49	30	20	7	—15	—28
Alpha	15	— 6	—19	—3	24	32	44	51	50	33	27	12	— 4	—19
Eubank	15	—14	—22	—2	20	29	35	47	48	30	19	7	—15	—22
Middlesboro	15	—19	—20	3	15	30	36	47	43	30	20	7	— 5	—20
Williamsburg	13	—11	—19	2	19	33	42	50	50	32	21	10	— 9	—19

* Badly broken.

Prevailing Direction of the Wind.

	Yrs													
Catlettsburg	16	sw	n	n	sw	n-sw	n-sw	sw	sw	w	n	n	sw	sw
Maysville	13	se	s	s	s	s	s	s	s	s	s	se	‖	s
Mt. Sterling	17	nw	w	§§	sw	sw	sw	s	sw	e	w	nw	nw	sw
Scott	11	s	w	w-s	n	s	sw	sw	s	s	s	w	w	s
Beattyville	5	w	w	w	w	w	w	w	w	sw	w	nw	w	w
Berea	8	sw	†	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Frankfort	14	sw	sw	sw	sw	sw	sw	sw	sw	w	sw	sw	sw	sw
Lexington	25	s	w	s	sw	sw	sw	sw	sw	sw	sw	s	sw	sw
Richmond	§	sw	sw	sw	sw	sw	....	....	....	sw	sw	sw	sw	....
Shelby City	15	s-sw	w	sw	‡	s	sw	sw	sw	sw	s	sw	sw	sw
Alpha	14	w	w	w	w	w	w	w	w	w	w	w	w	w
Eubank	*13	sw	nw	sw	sw	sw	s	sw	sw	sw	sw	s-nw	sw	sw
Middlesboro	5	nw	nw	¶	nw	nw	nw	†	nw	nw	nw	sw	....	nw
Williamsburg	6	s	nw	s	s-sw	s	s	s	s	s	s	n	s	s

* Badly broken.
§ 34 months, not continuous.
† NW-SW.
§§ NE-SW.
¶ SE-SW.
‡ NW-W-SW.
‖ N-S-SW.

Relative Humidity, per cent.

Stations.	Length of record.	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Yrs													
Cincinnati	20	76	73	70	62	64	66	65	67	68	68	72	76	69
Lexington	26	78	75	73	67	70	72	73	75	72	68	73	76	73

Average Hourly Movement of the Wind.

	Yrs													
Cincinnati	36	8	8	8	6	6	5	5	5	6	7	7	7	6
Lexington	26	13	13	13	13	10	8	8	8	10	10	11	12	11

Frost Data.

Stations.	Length of record.	Average date of killing frost.		Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
		First in Autumn.	Last in Spring.		
	Yrs				
Maysville	11	Oct. 14	April 23	September 30	May 10
Mt. Sterling	17	Oct. 13	April 23	September 21	May 20
Scott	11	Oct. 14	April 21	September 21	May 28
Beattyville	5	Oct. 10	April 25	September 30	May 10
Berea	8	Oct. 12	April 18	September 14	May 11
Lexington	26	Oct. 23	April 19	September 30	May 20
Richmond	15	Oct. 18	April 15	September 21	May 7
Shelby City	14	Oct. 6	April 24	September 14	May 20
Alpha	13	Oct. 6	April 13	September 21	May 22
Eubank	15	Oct. 8	April 28	September 14	May 28
Middlesboro	13	Oct. 14	April 19	September 21	May 21
Williamsburg	12	Oct. 20	April 5	September 21	April 22

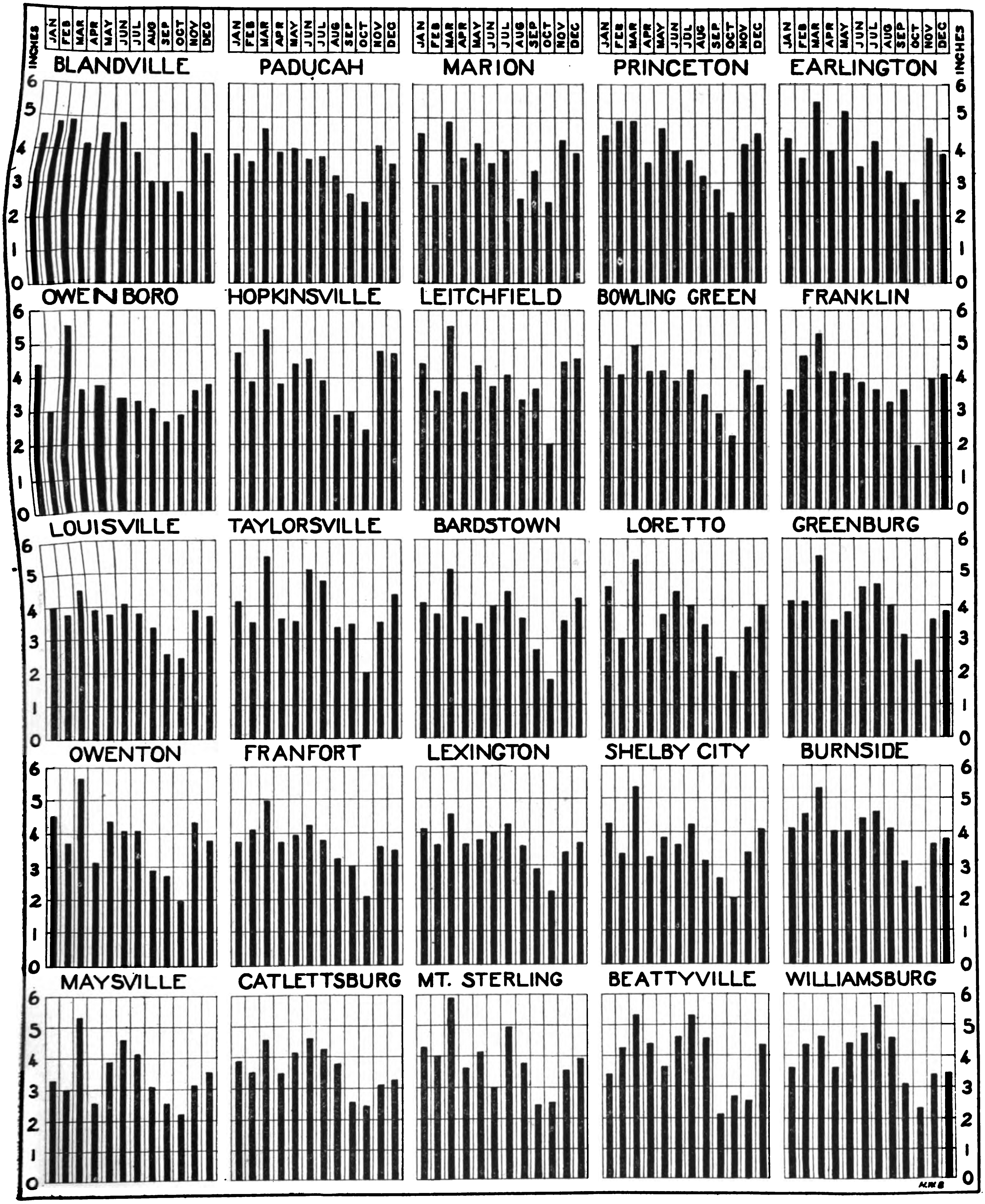


Diagram showing the comparative monthly distribution of precipitation.

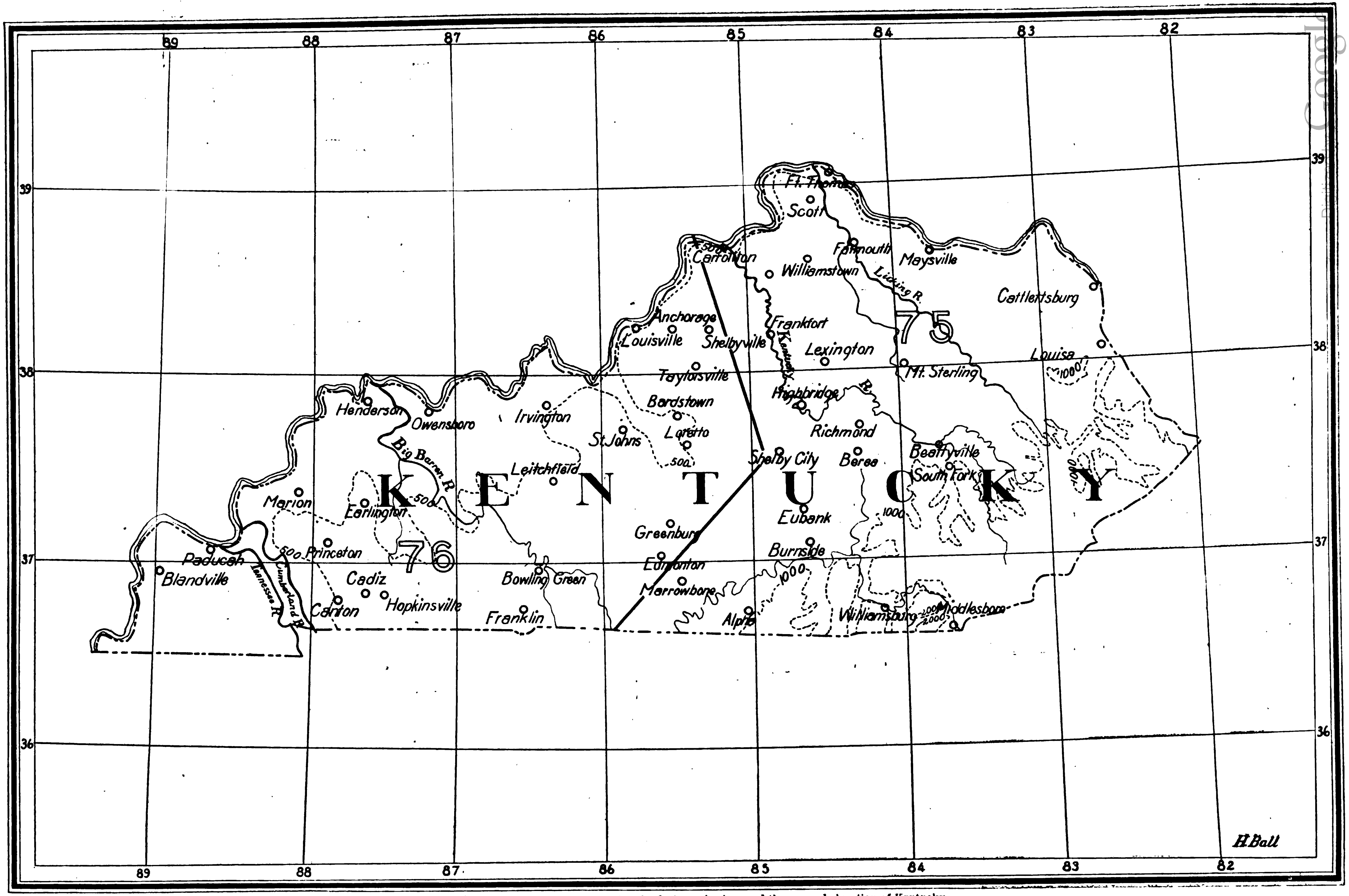


Chart showing principal points of observatin, the drainage basins, and the general elevation of Kentucky.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division—P. C. Day, Acting Chief of Division.

Section 76.—WESTERN KENTUCKY.

PHYSICAL FEATURES AND EXTENT.

The territory discussed as Section 76 embraces the western half of the state of Kentucky and comprises an area of about 23,000 square miles of rich agricultural country with a population of about one and a half million people. It lies within 36° 30' to 39° north latitude and 85° to 89° west longitude. The physical features are those of a diversified, extensive table-land, stretching eastward from the Mississippi River, deeply cut at somewhat regular intervals by rivers and streams and presenting a decidedly broken and uneven surface. The general slope of this table-land is towards the northwest. The rivers coursing mainly in that direction have cut deep valleys, between which lie stretches of table-land having elevations often of several hundred feet above the streams. High, steep bluffs extend along much of both sides of the rivers, and, being cut and eroded by side streams, give the appearance of lofty hills to the table-land, although there are in reality no very high hills.

Named in order from east to west, the principal rivers in the section are: the Salt, Green, Cumberland, and Tennessee. The first two have their headwaters on a rough and rugged plateau, hilly from stream erosion, and underlaid with thick formations of limestone. In these limestone strata are numerous large caverns, the principal one of which is the far-famed Mammoth Cave.

The area drained by the Salt and Green is very broken and hilly (although there are no very high hills), these streams having cut deep valleys along nearly all their courses. The Barren and the Rough are two important tributaries of the Green. By means of locks and dams the Green River has been made navigable from its junction with the Ohio to Mammoth Cave, a distance of about 200 miles. Similar improvements have extended navigation 25 to 30 miles up both the Barren and the Rough rivers.

Lying between the Green and the Cumberland rivers is a moderately high plateau, cut comparatively little by streams and containing rich farming land. On this plateau are located the dark Burley tobacco soils. The Tradewater River, a stream of minor importance, flows through the middle of this plateau in a northwesterly direction and empties into the Ohio River. The Cumberland and the Tennessee have cut deep valleys on the western border of this plateau and divided it from another lesser plateau which extends westward to the Mississippi bottoms. These two rivers enter the State from the south within eight miles of each other and flow nearly parallel to one another in a northwesterly direction to their junction with the Ohio River. At one place they are only two and one-half miles apart. Considerable areas bordering the Mississippi and the lower Ohio rivers are, of course, river bottoms, containing fertile, alluvial soil, but subject to overflow by those rivers. The Cumberland and the Tennessee rivers are both navigable for great lengths.

CLIMATIC CHARACTERISTICS.

The topography of the section, while undulating and somewhat varied, due to the deep cuttings of the rivers and streams, does not present sufficient differences in elevation to cause any marked peculiarity in climate or decided modification in any of the climatic elements. The records show some slight variations in the average precipitation at the several stations, but these are probably due in larger measure to the local exposure of the rain gages, and the relative length and time of the records than to differences in elevation.

In general the climate is temperate with abundant moisture for the growing and maturing of staple crops and other purposes.

The section lies near the normal storm track, and directly in the path of the rain-bearing storms passing up the Mississippi Valley from the Southwest, bringing general and frequent rains.

The winters are not long, nor as a rule, severe. In the mid-winter months it is not unusual for the temperature to go below zero, yet cold as severe as that is rarely of longer duration than one or two successive days. The mid-summer months are somewhat warm. Day temperatures of 100° and over have occurred in quite a number of the years covered by the records, but heat so severe is rarely registered on more than one or two days in succession. Maximum temperatures of from 90° to 98° have occurred in all the months from March to October, inclusive, while temperatures of from 74° to 84° have occurred in the other months.

The mean annual temperature of the section is 57° and varies between about 55° in the northeastern portion and 58° in the extreme western portion. The average temperature of the three summer months ranges between 75° and 80°, and that of the three winter months between 34° and 40°. Western Kentucky is slightly warmer than eastern Kentucky both in winter and summer. The average temperature of July, which is usually the warmest month, is about 78°. There is no great difference, however, in the general temperature conditions of July and of August, but it is usually drier in the latter month. The coldest months are January and February, there being little difference either in the mean or the extreme temperatures of the two months. The average temperature of each is about 35°. The lowest temperatures recorded have occurred in February and ranged from 20° to 29° below zero over considerable portions of the section. Temperatures of from 10° to 20° below zero have occurred in both January and February, and from 6° to 14° below zero in December.

The average date of the last killing frost in spring is about April 15th, but killing frost has occurred as late as May 15th in the western and central portions of the section, and May 22d in the northeastern portion. The average date of the first killing frost in autumn is between October 15th and 20th. A killing frost has occurred as early as September 14th, but it rarely occurs before September 21st.

The prevailing winds are from the south and southwest, except during the colder months of the year when they are frequently from the north and northwest.

The average annual precipitation for western Kentucky is about 45 inches, which is nearly the same as that for eastern Kentucky. The distribution in western Kentucky, however, is more equable, and varies but little in the several large drainage basins. It is about 46.6 inches in the extreme west, 45.5 inches in the Green River basin, and 43.5 inches in the Salt River basin. The difference in the amount of precipitation that occurs in dry as compared with wet years is very considerable. For example, the amount at Louisville in 1904 was 29.25 inches, while in 1882 it was 56.5 inches. The months usually having the greatest precipitation are March and July; those having the least are September and October. The normal amounts for the several months mostly vary between 2 and 4 inches, except in a few of the months when they reach 4 to 5.5 inches. There is great variation, of course, in the actual amounts of precipitation occurring in the passing months, seasons and years.

The distribution of precipitation over western Kentucky is given in detail in the accompanying tables. They show the amounts by months and years from the beginning of observations to the end of 1908. The records of all the stations, which have covered a period of 5 years or more, are published in the tables. In a few instances, where the record of a station was broken or incomplete for short periods, it has been filled in by interpolation from the records of one or more stations in the near locality, the purpose being to show the precipitation for a vicinity rather than for a single point. The average annual number of days with .01 inch or more precipitation for the section is about 105. For the months the range is from 10 to 12, except the fall months, when the average is from 5 to 8.

The precipitation tables have been grouped for convenience to conform to the several large drainage basins. Diagrams which follow the tables show graphically the average distribution of precipitation for the respective months of the year at representative points in the several divisions. Tables showing the average number of days with precipitation during the various months of the year, the extremes and means of temperature, the average relative humidity, prevailing direction and hourly velocity of the wind, and the occurrence of frost are also given. A chart shows the location of the stations, the approximate elevation of the general surface above sea level, and the principal drainage basins.

F. J. Walz,
District Forecaster.

Precipitation in Western Kentucky. Monthly, annual, and average amounts, in inches and hundredths.

SALT RIVER GROUP.

ANCHORAGE, JEFFERSON COUNTY.
Elevation, 700 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1895…	……	……	……	3.10	2.59	4.99	5.61	……	0.45	0.68	4.71	……	……
1896…	0.75	3.31	4.62	0.17	4.29	5.56	……	*3.29	……	……	……	……	……
1897–1900.	……	……	……	……	……	……	……	……	……	……	……	……	……
1901…	1.01	0.96	3.15	2.54	2.80	6.35	1.12	2.87	2.38	0.74	1.46	4.41	29.79
1902…	4.44	……	2.13	1.67	5.90	4.65	1.97	3.17	3.62	1.70	4.35	5.44	……
1903…	2.31	6.07	2.74	6.12	2.84	4.48	1.48	2.90	0.97	2.16	2.71	1.92	36.70
1904…	2.55	2.59	7.29	2.41	1.88	1.84	2.67	1.14	2.43	0.28	0.24	3.96	29.28
1905…	1.02	1.93	3.10	2.19	6.38	4.90	7.04	2.79	3.33	6.22	5.13	4.96	48.99
1906…	2.58	1.00	6.28	1.67	1.58	3.16	7.90	3.88	5.35	0.93	5.16	5.40	44.89
1907…	10.60	0.75	5.06	2.81	5.06	2.04	6.44	6.03	1.10	3.73	3.26	3.09	49.97
1908…	1.87	……	5.08	7.48	3.09	1.88	4.85	0.90	1.50	0.13	1.79	2.48	……
Means	3.01	2.37	4.38	3.02	3.64	3.98	4.34	3.00	2.35	1.84	3.20	3.71	39.94

* Partly interpolated from records of surrounding stations.

BARDSTOWN, NELSON COUNTY.
Elevation, 637 feet.

1858…	3.04	3.22	1.26	4.70	7.25	4.86	7.53	2.72	2.59	3.39	3.20	9.36	53.12
1859…	3.06	8.28	4.24	6.09	2.74	2.55	1.63	6.53	3.83	2.08	3.32	……	……
1860…	……	……	……	……	……	……	……	……	……	……	……	……	……
1861…	2.59	1.83	2.28	3.94	3.80	2.95	……	6.19	0.89	1.39	……	……	……
1862–1895.	……	……	……	……	……	……	……	……	……	……	……	……	……
1896…	……	……	……	……	……	……	5.48	1.93	2.83	0.54	5.40	2.97	……
1897…	2.51	6.54	8.17	6.16	3.47	4.93	8.49	3.52	0.58	0.72	4.73	3.64	53.46
1898…	9.46	0.62	8.23	3.21	4.11	5.91	5.85	2.02	4.78	3.71	2.17	2.74	52.81
1899…	7.08	3.89	8.01	2.97	2.71	3.34	5.65	3.26	1.55	2.40	1.79	5.28	47.93
1900…	2.94	4.72	2.40	3.34	4.19	4.88	6.03	5.21	0.85	1.38	7.47	2.54	45.95
1901…	1.32	0.85	4.35	3.01	3.17	2.81	1.04	3.59	3.26	0.69	1.55	5.27	30.91
1902…	5.47	2.00	……	2.28	3.35	5.71	1.95	4.25	3.75	2.17	4.31	……	……
1903…	2.85	8.52	3.46	4.17	1.72	3.81	1.06	4.59	1.07	1.44	3.33	2.75	38.77
1904…	2.85	2.97	5.63	2.13	2.25	2.38	1.59	3.77	2.07	0.20	0.89	4.96	31.69
1905…	2.87	2.72	4.94	2.57	3.23	4.04	8.99	3.06	2.30	4.33	3.38	4.37	46.80
1906…	4.30	1.50	8.34	1.25	2.24	3.97	3.46	3.36	8.70	0.67	7.42	5.17	50.38
1907…	9.40	3.18	4.49	2.42	4.03	6.01	1.45	2.50	3.46	2.84	2.98	2.75	45.51
1908…	1.49	6.35	5.69	6.97	4.57	2.41	5.99	2.40	0.24	0.29	2.01	3.02	41.43
Means	4.08	3.81	5.11	3.68	3.52	4.04	4.41	3.68	2.67	1.76	3.60	4.22	44.90

IRVINGTON, BRECKENRIDGE COUNTY.
Elevation, — feet.

1891–1896.	……	……	……	……	……	……	……	……	……	……	……	……	……
1897…	……	……	……	……	……	……	1.51	1.61	0.05	2.46	5.21	2.74	……
1898…	8.24	1.27	10.30	2.86	4.66	3.11	0.44	6.19	3.50	3.45	2.36	1.31	47.69
1899…	4.66	2.25	9.40	4.41	4.70	3.65	3.31	2.29	1.09	3.38	1.65	3.76	44.55
1900…	2.56	4.43	1.93	2.70	2.88	5.17	5.73	2.31	1.90	1.00*	7.27	2.32	40 20
1901…	1.30	0.92	3.77	2.52	1.41	5.57	2.46	3.16*	3.38	1.26	1.27	3.86	30.88
1902…	3.78	0.54	2.80	1.96	2.75	5.23	0.92	3.95	5.10	1.03	3.68	5.92	37.66
1903…	1.60	6.16	3.69	3.61	1.14	3.50	2.91	4.58	1.30	3.44	2.62	2.19	36.74
1904…	2.58	3.03	6.29	2.78	2.07	3.85	3.69	2.10	3.02	0.26	0.53	4.19	34.39
1905…	1.95	2.23	4.44	3.02	5.55	3.73	5.67	1.78	2.06	5.38	5.98	5.15	46.94
1906…	1.43	1.33	6.41	1.63	2.22	5.95	3.32	3.43	7.54	0.83	6.86	6.58	47.53
1907…	10.37	1.54	5.09	2.29	7.69	3.77	1.12	7.56	2.59	3.13	3.99	3.74	52.88
1908…	1.98	5.97	5.24	7.69	3.73	3.12	3.87	1.82	0.75	T.	2.15	2.14	38.46
Means	3.68	2.70	5.40	3.22	3.53	4.24	2.91	3.40	2.69	2.14	3.63	3.66	41.63

* Partly interpolated from nearby stations.

LORETTO, MARION COUNTY.
Elevation, 681 feet.

1897…	……	……	……	……	……	4.22	6.10	1.63	0.01	0.34	3.72	4.23	……
1898…	9.92	1.79	8.83	3.88	4.49	5.01	5.20	3.18	3.82	3.50	2.26	2.55	54.43
1899…	7.34	4.16	8.43	2.59	5.22	2.59	3.10	3.27	0.98	2.82	2.46	5.06	48.02
1900…	2.80	4.94	2.04	2.64	4.11	5.11	6.74	1.32	3.00	2.43	7.10	2.44	44.67
1901…	*1.41	0.60	3.08	3.44	1.53	4.54	1.06	4.93	2.87	0.82	1.64	4.43	30.35
1902…	4.54	1.48	3.40	……	3.79	7.26	1.38	3.67	3.69	3.26	4.29	7.41	……
1903…	2.30	7.43	3.69	4.55	2.80	4.05	1.52	6.01	0.63	1.96	3.10	2.40	40.44
1904…	2.37	1.67	5.71	1.96	2.92	1.49	3.10	2.63	1.85	0.24	1.02	5.25	30.21
1905…	1.73	2.59	5.70	2.90	2.09	4.60	6.18	2.22	1.63	4.33	3.14	4.28	41.39
1906…	3.96	1.57	7.82	1.32	3.72	4.08	4.84	4.82	7.35	0.53	6.86	4.60	51.47
1907…	10.64	2.95	5.24	1.69	6.22	5.79	4.05	5.03	2.74	3.30	1.75	3.45	52.85
1908…	3.25	4.25	5.36	5.22	4.62	4.42	4.43	1.76	0.44	0.61	2.77	2.28	39.41
Means	4.57	3.04	5.40	3.02	3.78	4.43	3.97	3.37	2.42	2.01	3.34	4.03	43.32

* Partly interpolated from surrounding stations.

LOUISVILLE, JEFFERSON COUNTY.

Elevation, 525 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1871...	......	......	......	......	......	......	......	......	1.48	1.55	2.50	3.29	......
1872...	......	......	1.41	9.08	4.69	6.19	3.67	2.45	4.41	3.92	0.56	2.58	......
1873...	2.93	5.42	3.39	3.05	5.73	3.87	3.43	3.04	2.47	3.26	2.19	6.99	45.77
1874...	2.39	5.18	6.63	6.01	1.14	2.95	2.83	3.23	0.62	2.04	5.90	4.77	43.69
1875...	2.42	2.09	4.54	0.98	4.07	5.79	16.46	2.19	1.05	1.92	6.14	5.67	53.32
1876...	11.63	2.92	6.01	4.50	1.00	6.52	3.61	4.34	2.66	7.61	1.63	1.24	53.67
1877...	3.95	0.44	4.93	5.31	3.98	5.57	4.19	2.70	3.02	1.81	4.49	4.19	44.58
1878...	3.25	2.25	4.06	3.53	4.50	5.34	4.08	4.21	2.52	3.44	4.78	5.10	47.06
1879...	2.52	2.31	5.66	4.63	1.68	3.39	1.18	10.02	5.88	0.59	4.90	7.93	50.69
1880...	4.61	5.40	5.14	7.32	6.09	4.11	2.18	2.82	2.44	6.39	3.83	3.52	53.85
1881...	3.24	4.05	2.46	3.45	2.35	3.78	2.18	0.15	2.70	3.44	2.79	6.00	36.59
1882...	6.29	9.69	5.85	2.17	7.46	5.23	4.57	5.45	3.57	1.56	2.67	1.99	56.50
1883...	3.52	8.72	3.22	6.63	2.59	1.98	4.74	0.86	0.32	8.05	6.05	4.86	51.54
1884...	1.94	9.84	3.76	2.91	5.75	3.59	3.94	4.81	5.90	2.00	1.86	5.11	51.41
1885...	6.34	2.88	1.02	4.94	4.20	3.18	2.01	2.97	5.71	4.97	6.17	2.84	47.23
1886...	4.64	1.94	3.42	3.38	4.03	5.35	3.10	4.43	1.63	0.64	5.72	2.69	40.97
1887...	4.08	7.60	1.88	7.31	2.12	1.79	1.86	2.74	2.84	0.39	2.51	3.03	38.15
1888...	3.26	2.56	5.71	2.99	2.42	3.28	3.59	10.53	2.75	2.84	6.34	1.57	47.84
1889...	3.07	2.33	0.95	0.65	5.26	5.76	2.98	0.23	4.38	1.68	5.99	1.74	35.02
1890...	5.73	6.25	9.58	3.51	3.15	6.96	2.05	4.18	2.71	3.69	4.54	3.06	55.41
1891...	5.21	3.94	6.57	2.42	1.56	2.00	4.08	5.42	1.99	0.35	6.23	3.65	43.42
1892...	1.46	3.61	3.23	7.50	4.44	3.89	3.93	1.84	2.43	0.86	2.87	2.07	38.13
1893...	2.57	4.58	2.38	7.69	4.19	4.56	1.52	1.68	4.00	5.10	3.22	2.44	43.93
1894...	2.81	5.09	3.04	3.98	3.90	3.63	2.41	3.57	2.64	1.20	0.63	5.18	38.08
1895...	4.54	0.64	2.10	3.10	2.88	4.94	5.68	1.35	0.41	0.90	7.01	5.31	38.86
1896...	0.82	3.16	4.86	0.25	4.32	4.79	13.01	4.51	4.12	1.61	4.62	2.15	48.22
1897...	3.29	4.04	7.95	3.83	3.30	3.50	5.21	1.35	0.75	1.83	5.86	3.05	43.96
1898...	9.04	1.73	9.94	2.80	4.22	5.00	2.15	5.14	2.97	2.85	2.55	2.61	51.00
1899...	4.30	1.84	7.02	3.50	3.17	3.80	2.09	2.72	0.89	2.41	2.05	4.07	37.86
1900...	3.10	3.74	1.50	2.29	5.58	3.28	2.67	3.43	1.05	2.22	7.43	1.75	38.04
1901...	0.98	1.16	3.59	2.49	2.45	4.12	2.85	2.86	2.78	0.49	1.17	4.59	29.53
1902...	4.67	0.62	2.10	2.05	6.41	6.51	1.87	2.74	4.03	1.15	3.85	5.65	41.65
1903...	2.43	6.03	3.18	4.82	2.23	3.52	1.25	3.51	0.83	1.60	2.71	1.58	33.69
1904...	2.43	3.54	6.49	2.67	1.77	1.71	1.70	2.11	2.65	0.27	0.25	3.66	29.25
1905...	2.24	2.23	3.61	2.14	6.79	4.03	5.13	3.76	2.95	5.72	5.16	5.48	49.24
1906...	2.68	1.55	6.51	2.02	2.52	2.80	4.83	1.92	4.12	0.99	7.10	5.02	42.06
1907...	12.11	1.25	5.06	2.42	5.30	1.21	5.63	3.68	1.46	2.96	3.13	3.27	47.48
1908...	1.98	5.68	6.54	6.06	4.26	3.27	3.61	2.29	0.59	0.07	1.65	1.85	37.85
Means	3.96	3.79	4.47	3.90	3.82	4.09	3.85	3.38	2.62	2.48	3.92	3.72	44.04

SHELBYVILLE, SHELBY COUNTY.

Elevation, 759 feet.

1888...	......	......	2.95	4.48	3.22	......	......	......	......	......	......	......	......
1889...	3.05	2.49	0.93	1.09	4.36	8.04	8.41	1.05	7.29	2.42	6.73	2.17	48.03
1890...	7.12	7.63	10.60	3.71	3.85	9.66	3.69	5.34	1.69	3.28	5.14	3.74	65.45
1891...	5.55	3.83	7.11	2.59	3.41	6.24	3.83	2.72	2.96	1.35	5.87	3.38	48.84
1892...	1.90	4.26	3.50	6.38	8.95	3.89	4.81	2.40	2.20	0.73	2.95	2.66	44.63
1893...	2.75	5.41	1.95	7.30	4.72	2.93	1.15	1.48	3.67	6.08	3.41	2.96	45.81
1894...	3.37	4.58	2.94	3.93	4.56	2.96	1.04	1.78	1.90	1.32	0.84	4.81	34.03
1895...	4.41	0.66	2.11	2.41	3.16	4.49	4.51	1.57	0.19	1.18	3.79	4.50	32.98
1896...	0.91	2.58	4.03	0.38	5.60	4.26	12.32	2.69	3.42	2.01	5.23	3.11	46.54
1897...	2.95	5.60	7.51	4.59	4.45	4.03	5.91	2.69	0.39	1.19	5.74	3.53	48.58
1898...	8.80	1.37	9.68	2.58	4.69	5.80	2.32	3.19	5.20	2.86	3.37	2.87	52.73
1899...	5.55	3.23	8.33	2.14	4.65	2.38	2.07	2.44	1.49	2.03	2.12	4.71	41.14
1900...	4.10	4.53	1.62	2.33	6.11	3.66	2.47	6.58	2.07	2.07	10.36	2.33	48.23
1901...	1.32	2.03	4.72	2.72	2.17	5.55	1.80	2.88	4.11	0.96	1.50	5.02	34.78
1902...	3.43	0.76	3.71	1.67	5.14	3.82	2.45	2.45	3.40	2.32	3.36	5.84	38.35
1903...	2.71	7.15	3.63	4.58	0.92	4.63	2.03	2.73	2.10	2.49	3.20	2.29	38.46
1904...	3.45	3.29	6.08	2.73	1.23	3.31	2.30	3.53	1.87	0.44	0.39	3.56	32.18
1905...	2.45	......	3.97	2.39	4.29	6.03	5.76	5.01	3.22	4.86	4.67	4.16	......
1906...	3.54	1.58	6.86	1.46	1.22	6.54	7.22	4.03	7.60	1.50	4.89	5.20	51.64
1907...	9.84	1.70	4.39	2.47	2.36	2.70	5.40	4.70	2.43	3.15	3.15	3.35	45.64
1908...	1.22	6.28	6.84	7.55	4.42	2.99	4.55	1.30	0.53	0.36	2.31	3.07	41.42
Means	3.92	3.63	5.12	3.33	4.45	4.70	4.20	3.03	2.89	2.23	3.95	3.66	44.08

TAYLORSVILLE, SPENCER COUNTY.

Elevation, 422 feet.

1902...	......	......	......	......	5.62	7.63	2.31	3.67	4.97	1.40	4.38	6.55	......
1903...	2.46	6.87	3.97	4.08	0.52	4.97	2.87	3.55	0.97	2.01	2.84	2.49	37.60
1904...	2.71	2.81	6.45	2.42	2.15	5.04	1.86	1.23	2.17	0.44	0.47	4.26	32.01
1905...	2.34	2.33	4.94	2.85	5.18	5.52	6.34	3.19	4.81	4.64	5.93	5.39	53.46
1906...	4.01	2.10	7.52	1.04	3.32	5.31	10.71	6.29	7.62	0.70	5.66	5.57	59.85
1907...	11.31	1.68	4.42	3.17	3.34	4.01	3.73	3.11	2.28	4.66	3.31	3.40	48.42
1908...	1.97	5.24	5.64	8.23	5.27	3.25	5.42	1.80	1.11	0.16	2.34	2.25	42.68
Means	4.13	3.50	5.49	3.63	3.49	5.10	4.75	3.26	3.42	2.00	3.58	4.27	45.67

GREEN RIVER GROUP.

BEAVER DAM, OHIO COUNTY.

Elevation, 441 feet.

1903...	......	......	......	2.93	3.96	3.93	1.18	3.95	1.16	1.68	3.55	2.86	......
1904...	2.76	2.50	5.66	2.45	2.11	2.03	3.81	0.61	3.14	0.37	0.32	5.06	30.82
1905...	2.46	2.36	3.49	2.33	7.43	1.40	4.30	2.01	1.92	2.80	3.16	4.74	38.40
1906...	2.73	2.06	6.45	1.47	1.88	5.22	6.54	4.19	5.00	1.48	7.72	5.60	50.34
1907...	8.83	2.93	3.38	2.95	6.80	4.84	5.62	3.62	0.99	2.76	3.42	3.33	49.47
1908...	1.71	5.74	3.81	5.93	2.46	3.03	3.22	5.27	0.50	T.	2.22	1.55	35.44
Means	3.70	3.12	4.56	3.01	4.11	3.41	4.11	3.28	2.12	1.52	3.40	3.86	40.89

BOWLING GREEN, WARREN COUNTY.

Elevation, 500 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1880...	......	......	0.99	6.46	4.46	2.78	......	......	......	5.05	7.32	0.78	......
1881...	1.60	3.35	2.08	6.09	2.71	5.18	......	......	......	......	5.90	3.43	......
1882...	6.59	6.11	9.99	5.25	8.65	2.96	......	......	2.24	......	2.20	2.44	......
1883...	2.89	4.09	4.10	7.20	4.63	5.92	3.64	......	1.02	5.37	4.01	4.65	......
1884...	4.69	6.89	......	......	......	......	......	......	......	......	......	......	......
1885...	......	......	......	......	......	......	......	......	......	......	......	......	......
1886...	......	......	......	......	3.46	......	5.13	......	......	......	......	......	......
1887...	......	......	......	2.96	......	......	2.56	1.99	3.73	0.68	2.60	2.56	......
1888...	6.15	2.38	5.77	2.45	2.77	6.00	2.15	8.31	3.31	2.09	5.17	1.19	47.74
1889...	2.79	2.34	1.64	2.54	4.57	6.04	8.75	2.02	4.29	1.62	7.90	1.92	46.42
1890...	7.03	12.50	8.74	3.56	2.69	2.50	3.16	7.99	2.42	4.39	3.58	4.45	63.01
1891...	6.80	7.61	8.24	2.42	0.76	3.02	1.08	6.76	2.41	0.96	6.56	4.37	50.99
1892...	2.60	2.60	5.48	10.84	6.64	4.35	1.19	2.57	4.12	0.10	4.39	7.73	52.61
1893...	0.72	4.26	3.29	7.12	8.67	5.87	5.85	1.37	2.74	4.88	4.03	2.79	51.59
1894...	3.09	6.37	2.72	3.59	3.47	0.93	3.84	2.98	3.28	0.83	1.41	2.84	35.35
1895...	5.28	0.47	3.54	2.82	5.42	1.96	9.95	3.63	0.67	1.45	4.08	5.17	44.44
1896...	1.40	3.26	6.92	3.67	5.71	3.94	8.21	1.48	3.82	1.32	5.42	1.70	46.85
1897...	3.34	4.56	7.61	7.45	2.43	0.80	2.98	2.30	0.08	0.80	3.15	3.76	39.26
1898...	11.99	0.82	7.44	4.08	4.75	3.87	2.19	3.80	3.32	4.95	3.22	2.96	53.39
1899...	7.51	4.14	8.65	4.14	4.83	1.93	5.26	2.61	0.71	1.57	1.83	4.86	48.04
1900...	3.15	5.30	2.74	2.60	4.01	5.67	5.72	1.67	4.41	2.65	10.94	3.17	52.03
1901...	2.13	1.15	3.35	3.90	1.32	2.71	0.17	7.34	5.38	0.62	1.25	5.60	34.92
1902...	8.25	1.39	6.18	2.68	3.82	3.22	0.72	2.53	4.35	2.78	4.49	9.24	49.65
1903...	2.64	8.37	3.10	3.23	4.95	5.95	5.46	2.03	0.76	2.63	1.21	3.57	43.90
1904...	2.93	2.61	5.00	2.46	2.32	5.50	4.09	2.41	2.24	0.05	1.40	5.40	36.41
1905...	3.21	1.96	3.53	2.16	3.39	4.22	3.65	1.19	3.00	3.34	2.23	3.55	35.43
1906...	3.39	2.12	6.08	1.12	2.05	2.85	6.22	4.19	7.56	1.20	6.30	6.59	49.67
1907...	5.77	2.91	2.66	2.62	5.76	2.90	6.19	3.84	3.27	3.46	3.77	3.00	46.15
1908...	1.68	5.46	4.75	6.08	3.91	7.21	1.61	3.03	1.34	0.20	4.08	2.27	41.62
Means	4.30	4.12	4.98	4.21	4.16	3.93	4.16	3.46	2.94	2.21	4.17	3.85	46.17

CALHOUN, McLEAN COUNTY,

Elevation, 397 feet.

1903...	......	......	......	......	......	4.78	3.17	3.52	0.27	1.49	3.27	2.30	......
1904...	3.02	2.07	6.90	2.54	2.70	2.93	2.20	1.81	5.04	0.20	0.47	4.51	34.39
1905...	2.65	2.05	3.53	3.39	5.41	3.08	8.18	2.67	2.90	5.48	5.66	4.87	49.87
1906...	3.31	2.30	6.17	1.06	2.01	3.08	5.35	4.21	6.13	2.66	6.53	7.20	50.01
1907...	10.79	1.75	5.11	2.53	6.41	3.86	3.99	3.98	2.84	3.72	4.18	3.85	53.01
1908...	2.75	7.11	3.21	6.59	4.24	3.05	2.17	3.47	1.02	0.05	1.59	1.56	36.81
Means	4.50	3.06	4.98	3.22	4.15	3.46	4.18	3.28	3.03	2.27	3.62	4.05	44.82

EARLINGTON, HOPKINS COUNTY.

Elevation, 370 feet.

1889...	......	......	......	......	......	......	5.46	2.92	4.86	0.84	7.43	1.25	......
1890...	6.60	7.27	6.72	2.66	4.39	2.67	1.29	5.95	2.67	2.00	6.40	3.23	51.85
1891...	4.79	2.96	6.89	1.96	1.68	4.84	2.40	9.23	1.44	0.20	5.60	5.44	47.43
1892...	0.92	2.44	3.96	6.39	6.76	2.27	4.42	4.70	3.77	0.54	5.78	3.58	45.53
1893...	2.45	6.22	4.20	10.91	6.86	4.40	4.34	0.89	3.80	3.65	2.42	1.75	51.89
1894...	2.25	6.84	5.82	7.21	3.15	1.72	2.40	3.50	*3.00	1.05	0.72	4.39	42.05
1895...	6.70	0.80	4.29	3.78	5.35	4.10	9.14	3.91	2.70	0.90	5.84	3.35	50.86
1896...	1.33	2.33	4.69	2.89	11.47	4.74	5.06	1.71	5.45	2.53	6.56	1.76	50.52
1897...	3.70	5.67	12.57	6.21	1.78	2.58	4.65	0.40	T.	2.29	4.83	3.91	48.59
1898...	9.79	1.35	10.01	4.80	6.46	3.35	4.17	2.19	4.56	3.59	2.83	2.40	55.50
1899...	5.91	4.05	6.19	2.59	8.16	2.53	5.66	5.26	0.66	4.18	3.00	4.66	52.85
1900...	4.00	5.86	2.33	1.52	6.19	8.76	7.34	2.67	2.09	3.82	8.60	3.06	56.24
1901...	1.73	1.17	4.45	2.99	2.53	2.62	2.55	4.14	4.82	3.80	1.90	5.61	38.31
1902...	6.62	1.09	3.68	2.62	3.23	3.95	0.93	1.40	3.62	3.74	5.04	9.40	45.32
1903...	2.48	7.50	3.34	3.38	5.92	2.55	4.30	2.05	0.45	3.52	3.89	2.93	42.31
1904...	3.46	1.83	7.00	2.95	5.73	2.37	5.90	1.51	5.80	0.33	0.34	4.82	42.04
1905...	3.11	2.30	3.32	2.98	6.07	4.32	6.59	1.98	1.96	4.11	3.04	5.12	44.90
1906...	3.50	2.33	6.46	1.26	1.49	4.83	5.97	4.26	5.34	1.61	7.14	5.06	49.25
1907...	9.83	3.12	3.94	3.13	7.73	1.74	1.44	5.68	2.68	2.98	4.19	4.03	50.49
1908...	2.73	6.25	3.91	5.95	3.64	2.99	2.09	4.37	1.33	T.	2.10	1.38	36.74
Means	4.31	3.76	5.46	4.01	5.19	3.54	4.30	3.44	3.05	2.28	4.38	3.86	45.71

*Scaled from chart.

EDMONTON, METCALFE COUNTY.

Elevation, 600 feet.

1890...	......	......	......	......	......	......	......	6.39	5.34	5.17	4.57	5.04	......
1891...	5.77	6.84	9.46	2.61	0.97	6.71	2.15	6.27	1.41	0.94	6.22	3.38	52.73
1892...	2.42	3.04	4.79	8.56	4.97	3.78	2.58	......	......	0.41	4.30	5.50	......
1893...	1.38	4.67	3.66	5.10	8.63	6.46	5.29	2.09	3.54	3.08	3.63	3.42	50.95
1894...	3.31	5.47	2.70	3.33	4.18	1.79	2.54	4.62	3.91	1.22	2.13	4.21	39.41
1895...	5.57	0.84	4.46	3.09	4.46	2.03	5.35	1.79	1.18	2.69	3.42	6.06	40.94
1896...	0.81	3.87	7.56	2.52	5.24	3.48	8.27	3.21	3.28	0.74	5.12	1.63	45.73
1897...	2.87	7.64	8.10	6.57	1.88	2.08	4.90	2.40	T.	0.82	3.74	3.80	44.80
1898...	10.53	1.49	5.96	3.21	2.50	5.45	3.15	2.04	3.62	5.25	2.87	2.87	48.94
1899...	6.18	6.33	10.73	4.42	4.61	2.67	5.45	1.54	1.23	2.22	1.68	5.44	52.50
1900...	2.26	4.78	3.97	2.71	2.66	7.14	6.27	3.73	3.01	1.22	10.05	3.09	50.89
1901...	2.31	1.11	3.81	5.36	2.69	4.57	0.40	7.31	5.66	1.15	1.32	4.80	40.49
1902...	7.37	1.40	7.03	2.86	2.77	2.77	3.31	1.78	4.96	2.57	4.29	9.82	50.93
1903...	2.25	8.65	6.67	5.35	3.69	4.28	5.63	2.19	0.35	3.01	3.89	3.02	48.98
1904...	3.81	2.45	7.27	2.62	4.17	2.35	4.26	2.92	1.48	0.30	1.34	4.98	37.95
1905...	2.84	2.53	5.15	2.46	4.31	5.59	6.53	2.58	4.45	4.92	3.52	4.72	49.60
1906...	4.66	2.43	7.25	1.11	4.20	4.42	6.72	6.24	7.55	2.28	4.13	6.28	57.27
1907...	5.90	5.17	3.77	2.14	6.24	4.73	......	3.75	3.51	2.49	4.20	3.19	......
1908...	3.38	5.41	6.37	6.65	5.68	......	......	4.68	4.43	0.88	4.86	2.85	......
Means	4.09	4.12	6.04	3.93	4.10	4.14	4.55	3.64	3.27	2.18	3.96	4.43	47.47

NOTE.- August, 1907, value partly interpolated from surrounding stations.

EVANSVILLE, VANDERBURG COUNTY, IND.

Elevation, 434 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1877...	2.95	1.04	4.52	4.17	1.50	......	......	......	......	1.03	4.24	2.22	......
1878...	2.25	3.18	2.24	3.71	4.10	3.40	4.15	2.39	3.80	3.40	4.71	5.35	42.68
1879...	2.60	2.72	3.60	3.54	4.54	2.85	*1.85	6.00	4.75	1.10	5.60	5.57	44.72
1880...	5.56	2.53	5.55	4.57	8.18	4.45	3.17	1.95	4.22	6.37	10.05	1.50	58.10
1881...	4.25	5.25	4.25	5.35	4.95	7.80	0.30	*0.75	7.30	3.25	6.25	5.30	55.00
1882...	5.95	14.62	4.72	4.17	8.45	5.25	6.05	6.70	3.30	2.25	3.65	5.50	70.61
1883...	4.70	8.15	4.80	6.85	*3.40	3.35	2.45	2.65	1.45	6.06	5.65	*4.40	53.91
1884...	1.50	6.51	3.35	2.99	2.27	6.51	5.32	3.54	4.13	1.02	2.24	5.05	44.43
1885...	3.12	2.45	0.50	1.95	3.30	3.25	2.85	3.49	4.90	1.70	3.73	3.29	34.53
1886...	7.92	2.00	6.41	10.12	3.32	9.85	0.84	8.20	0.62	*0.85	*4.60	0.50	55.23
1887...	0.50	6.75	0.65	3.10	4.13	1.90	2.10	1.35	2.47	*0.60	2.30	2.80	28.65
1888...	2.13	2.05	7.65	1.95	4.56	5.26	0.88	9.76	0.71	3.13	5.78	2.30	46.16
1889...	3.60	1.00	1.30	1.50	5.00	5.05	5.25	1.43	6.58	2.16	7.95	3.57	44.39
1890...	6.01	7.33	10.31	5.34	4.30	4.75	2.54	2.53	6.60	1.79	3.08	1.57	56.15
1891...	1.80	1.64	*6.00	3.10	0.83	6.71	4.52	8.26	1.23	0.25	8.44	3.20	45.98
1892...	2.09	3.79	2.47	6.57	4.34	2.26	3.11	3.40	1.85	1.91	4.68	1.82	38.29
1893...	2.52	5.02	2.21	7.14	7.29	4.38	3.07	0.80	3.21	4.38	3.35	2.54	45.91
1894...	4.66	4.80	3.39	4.10	3.38	1.92	1.80	2.73	1.89	2.68	0.63	5.13	37.11
1895...	3.95	0.48	3.31	2.25	2.85	3.03	6.24	1.79	2.41	0.76	9.54	3.91	40.52
1896...	0.57	1.71	3.51	1.65	5.39	6.62	5.53	2.98	5.22	2.71	3.10	0.90	39.89
1897...	3.14	4.66	10.96	5.89	2.89	4.95	9.09	0.43	0.52	2.05	5.21	2.91	52.70
1898...	6.97	1.52	8.73	4.15	4.61	1.71	2.90	3.85	3.26	4.50	1.05	1.53	44.78
1899...	5.10	2.10	6.57	2.64	5.40	3.76	3.27	3.22	1.02	2.20	3.64	3.63	42.55
1900...	1.89	4.20	1.55	1.17	5.59	11.44	2.44	0.95	4.24	3.46	5.30	1.99	44.22
1901...	1.05	1.34	3.46	2.99	1.00	4.25	0.18	2.07	1.82	4.48	1.71	4.65	29.00
1902...	2.36	0.51	3.12	1.91	1.36	3.17	0.41	1.82	2.80	2.65	4.63	5.04	29.78
1903...	2.43	5.88	4.66	3.17	2.82	2.52	2.28	4.54	0.49	1.87	1.77	3.02	35.45
1904...	3.87	2.53	7.36	3.67	2.01	4.45	7.98	1.07	5.67	0.25	0.20	3.88	42.94
1905...	3.25	1.92	2.61	3.46	4.17	2.28	8.51	2.19	2.84	7.08	3.74	3.44	45.49
1906...	4.76	1.70	5.94	1.66	1.07	3.02	5.21	4.39	4.16	1.88	4.73	5.72	44.24
1907...	8.70	0.82	3.54	2.43	5.59	2.59	4.66	5.95	2.76	2.05	3.88	3.70	46.67
1908...	1.80	6.26	3.76	4.83	6.51	0.66	1.97	4.58	1.23	0.28	2.31	1.50	35.69
Means	3.55	3.63	4.47	3.82	4.03	4.30	3.58	3.41	3.14	2.50	4.30	3.36	44.12

* Estimated from surrounding stations.

Precipitation data compiled at the Central Office.

FRANKLIN, SIMPSON COUNTY.

Elevation, 691 feet.

1888...	......	......	......	......	......	......	......	......	......	......	......	1.49	......
1889...	3.58	2.23	1.91	2.08	5.44	5.36	6.87	2.83	3.53	1.81	7.13	1.91	44.68
1890...	7.91	9.42	10.53	3.41	4.30	3.40	2.49	7.64	2.43	3.86	4.05	4.27	63.71
1891...	5.34	6.80	9.75	3.59	1.90	4.56	1.35	6.23	2.54	1.17	7.30	5.23	55.76
1892...	2.78	3.28	3.94	11.78	6.38	4.12	4.54	3.95	5.11	0.25	5.76	7.62	59.51
1893...	1.05	5.97	4.63	6.84	10.41	7.70	4.88	0.39	4.62	4.36	2.75	4.99	58.59
1894...	3.86	6.00	3.60	4.10	3.72	1.00	3.90	2.20	2.77	0.93	1.91	2.81	36.80
1895...	6.90	0.55	5.81	3.47	3.48	4.11	6.72	2.80	1.68	2.52	3.93	5.14	47.11
1896...	1.24	4.45	9.66	2.00	6.52	3.52	9.35	2.83	3.54	0.71	6.02	2.11	51.95
1897...	4.50	5.48	8.01	6.76	1.30	......	......	......	......	......	......	......	......
1898–1900.	......	......	......	......	......	......	......	......	......	......	......	......	......
1901...	4.06	1.56	3.00	3.10	2.79	0.72	0.60	7.22	3.25	0.55	0.10	2.90	29.85
1902...	4.36	0.98	5.10	3.20	1.65	1.40	0.50	0.90	4.35	1.50	3.45	7.75	35.14
1903...	1.44	6.80	4.90	3.51	1.80	5.45	2.80	1.00	1.00	2.50	3.35	4.31	38.86
1904...	3.60	......	......	......	2.20	1.45	5.70	......	......	......	......	4.60	......
1905...	3.09	......	1.95	2.00	......	5.05	2.01	1.31	......	2.30	2.20	2.60	......
1906...	2.35	......	......	1.47	1.95	2.64	2.03	4.25	12.67	3.91	6.28	6.61	......
1907...	3.52	4.69	2.85	2.47	5.55	4.36	3.06	3.86	3.17	2.09	3.13	2.83	41.58
1908...	2.66	5.67	4.16	6.95	5.66	6.86	2.83	2.61	1.71	0.10	2.09	2.05	43.35
Means	3.66	4.71	5.32	4.17	4.07	3.86	3.73	3.34	3.74	1.90	3.96	4.07	46.68

GREENSBURG, GREEN COUNTY.

Elevation, 581 feet.

1887...	......	......	......	......	......	......	......	......	6.43	0.24	2.88	1.89	......
1888...	5.29	3.06	4.66	3.06	1.41	3.99	2.38	10.28	2.57	3.39	3.22	1.76	45.07
1889...	4.11	1.85	1.22	2.28	4.00	3.83	9.92	1.75	3.30	3.14	7.20	1.70	44.30
1890...	5.69	12.35	6.09	3.31	5.45	3.79	1.40	4.71	3.81	3.58	4.51	4.54	59.23
1891...	4.96	6.80	8.83	2.05	0.65	4.07	2.38	4.84	2.30	1.31	5.22	3.15	46.56
1892...	2.04	2.62	3.52	8.15	4.92	2.67	4.02	5.29	3.20	0.10	3.80	4.53	44.86
1893...	0.64	4.61	3.63	5.61	5.44	8.52	6.02	3.26	3.21	4.46	2.83	3.47	51.70
1894...	2.92	5.14	3.26	2.71	3.14	3.59	2.97	4.75	2.64	1.25	1.42	3.94	37.73
1895...	6.73	0.81	4.39	3.32	2.18	5.10	4.85	2.38	0.25	2.06	3.73	4.92	40.72
1896...	0.70	3.86	6.90	1.25	4.30	8.47	9.32	1.85	3.60	0.99	4.71	1.64	47.59
1897...	3.62	6.10	8.22	7.16	5.04	3.21	4.90	4.00	T.	0.78	3.77	3.78	50.58
1898...	9.30	1.26	6.85	3.21	4.06	1.75	4.94	1.81	4.90	6.65	2.77	3.85	51.35
1899...	7.34	4.59	10.32	4.02	6.16	3.82	3.16	1.26	0.92	2.18	1.94	4.88	50.59
1900...	2.16	4.85	3.63	2.68	3.44	9.94	6.43	4.31	1.66	1.23	6.85	3.21	50.39
1901...	1.99	0.93	3.23	4.30	2.35	4.19	1.55	3.66	3.87	0.97	1.03	4.35	32.42
1902...	7.54	0.60	4.80	2.02	2.42	3.46	4.27	2.17	4.88	3.07	5.05	8.82	49.11
1903...	2.69	8.48	6.01	4.22	4.27	3.84	3.02	5.25	0.35	3.11	3.39	3.08	47.71
1904...	3.34	2.05	5.52	2.78	2.50	2.47	2.84	5.48	2.66	0.16	1.06	4.67	35.53
1905...	3.12	2.05	5.59	2.99	3.81	3.69	6.03	4.04	6.13	5.33	2.94	4.68	50.40
1906...	4.58	2.29	7.26	1.72	5.04	4.97	5.65	5.29	6.65	1.97	4.47	6.92	56.81
1907...	5.68	4.45	3.87	2.00	5.41	5.70	5.31	3.30	3.63	3.33	3.79	3.04	49.51
1908...	1.41	6.84	6.81	7.42	3.89	3.43	4.75	3.43	1.41	0.83	3.20	1.65	45.07
Means	4.08	4.08	5.46	3.49	3.80	4.50	4.58	3.96	3.11	2.28	3.63	3.84	47.01

LEITCHFIELD, GRAYSON COUNTY.

Elevation, 635 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1896...	1.31	3.35	5.47	0.78	6.41	2.87	6.58	1.25	3.54	1.41	5.47	3.06	41.50
1897...	3.36	6.66	9.62	5.72	3.10	1.84	2.86	3.70	T.	1.38	4.35	3.48	46.07
1898...	10.73	1.09	9.27	4.25	5.83	4.34	4.35	1.59	6.12	5.14	3.08	2.94	58.73
1899...	7.20	3.68	8.09	3.88	5.01	2.84	3.32	3.78	1.07	2.04	2.75	4.74	48.40
1900. .	3.06	6.48	2.09	3.33	4.58	3.79	3.32	3.21	1.34	2.91	11.06	3.21	48.38
1901...	1.99	1.14	4.21	3.57	2.35	2.65	1.12	5.80	6.49	0.89	1.10	5.25	36.56
1902...	6.61	0.89	3.91	3.31	2.94	5.51	0.89	2.15	8.25	1.04	4.45	11.97	51.92
1903...	2.55	8.19	3.78	3.93	4.65	5.43	4.33	3.95	1.35	1.48	2.97	3.38	45.99
1904...	3.32	2.34	6.85	3.67	1.37	6.03	2.49	1.28	4.33	0.20	0.40	5.14	37.42
1905...	2.70	2.23	4.67	3.10	6.65	5.52	5.32	2.00	3.90	4.16	3.53	5.22	49.00
1906...	2.62	1.91	7.13	1.61	3.01	3.45	9.28	6.68	7.73	1.85	12.09	5.37	62.73
1907...	9.02	2.46	4.74	2.26	6.90	2.75	5.52	2.63	2.51	3.40	4.02	3.29	49.50
1908...	2.33	6.48	3.52	7.44	2.95	3.08	3.60	5.07	1.08	T.	3.73	2.30	41.58
Means	4.35	3.61	5.64	3.60	4.29	3.85	4.08	3.31	3.67	1.99	4.54	4.56	47.52

OWENSBORO, DAVIESS COUNTY.

Elevation, 479 feet.

1896...	......	......	......	......	......	......	6.75	2.45	4.18	2.14	4.83	1.76	......
1897...	3.73	4.75	9.36	6.72	2.19	2.47	2.17	0.78	0.26	2.34	4.60	3.40	42.77
1898...	7.48	1.44	10.21	4.17	6.25	2.21	1.94	3.46	3.63	3.81	2.20	2.49	49.29
1899...	5.51	2.68	8.02	2.26	5.60	3.41	1.80	3.45	1.31	3.60	3.66	4.47	45.77
1900...	2.96	4.41	1.24	2.15	4.41	7.85	3.65	1.57	1.84	4.52	7.23	2.48	44.31
1901...	1.61	1.42	5.14	3.13	2.54	2.38	2.49	3.38	1.41	2.98	1.44	4.85	32.77
1902...	4.80	0.88	3.47	2.68	2.73	2.31	1.18	1.18	5.59	3.06	5.48	5.91	39.27
1903...	2.58	5.64	3.37	2.91	2.50	3.35	3.28	4.45	0.77	1.51	1.90	3.30	35.56
1904 ..	3.14	3.08	8.99	4.23	2.23	2.79	3.28	1.75	4.05	0.10	0.23	4.04	37.91
1905...	2.54	2.00	3.25	2.72	6.04	2.83	7.85	2.91	2.39	6.35	4.42	4.69	47.99
1906...	3.59	1.71	5.59	1.86	1.18	3.37	3.30	5.92	6.76	2.50	5.56	6.32	47.66
1907...	12.73	2.28	4.20	2.58	6.13	5.74	2.85	6.71	2.26	4.15	4.45	3.83	57.91
1908...	1.75	5.99	3.72	8.48	4.22	2.46	1.94	2.51	0.74	0.08	1.46	1.65	35.00
Means	4.37	3.02	5.55	3.66	3.84	3.43	3.27	3.12	2.71	2.86	3.65	3.78	43.02

ST. JOHN, HARDIN COUNTY.

Elevation, 743 feet.

1896...	......	......	4.92	0.43	5.04	3.10	5.00	1.25	3.60	1.48	4.68	3.02	......
1897...	3.41	5.60	8.92	5.11	3.39	3.31	2.71	1.33	0.03	1.65	4.46	3.62	43.54
1898...	9.72	1.26	9.36	4.20	4.75	5.05	2.31	3.22	5.35	3.50	2.57	2.76	54.05
1899...	5.88	3.32	7.65	4.02	4.05	1.98	2.45	4.61	0.86	2.61	1.75	4.77	43.95
1900...	2.98	5.59	2.37	2.56	3.25	4.46	4.45	4.57	1.37	2.25	8.81	2.79	45.45
1901...	1.57	1.08	4.02	2.22	2.65	3.98	1.30	3.86	4.15	0.79	1.12	4.95	31.69
1902...	5.65	0.85	3.67	2.14	3.73	5.16	1.17	4.04	8.26	1.36	4.67	7.19	47.89
1993...	2.44	7.94	3.64	3.16	3.86	3.94	2.30	4.50	0.30	1.57	4.45	2.54	40.64
1904...	2.99	3.13	6.09	2.98	3.50	3.25	2.75	1.12	2.49	0.21	0.57	5.46	34.54
1905...	2.60	2.31	4.66	3.55	5.74	4.85	5.93	2.16	1.90	5.80	3.19	5.13	47.82
1906...	2.24	1.72	8.44	......	2.07	5.70	5.58	2.40	5.43	0.94	8.94	5.83	......
1907...	10.34	2.69	5.49	2.09	4.78	4.02	3.72	3.08	4.39	3.37	4.19	2.98	51.14
1908...	2.05	7.63	4.98	7.14	4.10	2.96	3.27	2.63	0.55	0.05	2.61	3.18	41.15
Means	4.32	3.51	5.71	3.30	3.84	3.98	3.30	2.98	2.98	1.97	4.00	4.17	43.80

CUMBERLAND, TENNESSEE, AND EXTREME WEST GROUP.

BLANDVILLE, BALLARD COUNTY.

Elevation, 445 feet.

1871...	......	......	......	......	......	......	......	......	......	......	2.25	3.55	......
1872...	1.40	4.10	2.55	5.80	5.32	2.38	5.12	0.60	1.75	0.40	0.00	1.30	30.72
1873...	6.10	7.55	3.45	3.50	8.40	6.28	4.34	3.25	3.45	6.85	2.30	4.40	59.87
1874...	3.05	7.20	8.77	6.10	0.95	2.05	1.05	2.65	1.40	0.90	6.90	0.70	41.72
1875–1881.	......	......	......	......	......	......	......	......	......	......	......	......	......
1882...	4.50	10.62	6.51	6.10	12.58	6.20	5.03	5.28	4.25	2.25	7.17	2.90	73.39
1883...	3.67	10.67	2.70	8.79	4.95	7.47	0.00	2.15	0.75	7.69	5.58	3.69	58.12
1884...	2.10	6.99	5.38	4.72	4.50	4.54	6.82	2.73	3.12	2.79	0.89	9.75	54.33
1885...	3.90	1.51	1.40	1.14	3.71	4.91	1.98	2.96	4.96	3.54	2.05	3.42	35.48
1886...	4.65	2.81	4.75	5.05	2.14	4.35	1.28	2.92	3.76	0.42	6.32	2.47	40.92
1887...	2.40	7.53	4.31	3.23	3.55	3.08	2.54	0.93	3.33	0.67	4.46	3.94	39.97
1888...	3.55	3.22	6.43	3.36	3.48	6.85	5.31	8.30	0.44	3.58	5.56	2.04	52.12
1889...	4.48	2.80	2.45	0.96	3.37	6.94	6.23	2.11	4.18	4.04	7.28	1.10	45.94
1890...	9.08	10.64	7.79	3.84	3.04	2.03	3.14	5.41	4.20	3.65	7.93	3.70	64.45
1891...	5.42	3.83	8.11	2.10	3.24	5.94	1.22	5.87	0.37	0.25	8.76	5.55	50.66
1892...	2.83	3.57	3.10	7.34	5.98	3.61	3.21	2.98	1.11	0.91	4.74	5.95	45.33
1893...	0.22	5.13	2.68	7.02	7.03	4.13	2.38	0.70	7.42	8.03	3.59	2.99	51.32
1894...	3.69	6.43	4.38	3.44	3.91	0.86	2.82	3.10	2.69	1.04	0.76	3.48	36.60
1895...	5.11	0.58	3.15	3.00	1.44	7.09	5.61	0.49	2.32	0.84	4.75	3.00	37.38
1896...	1.70	2.30	5.10	1.79	8.76	11.22	4.11	2.31	3.27	2.71	5.55	0.88	49.70
1897...	4.43	4.38	8.61	7.77	1.97	7.36	3.48	2.29	0.08	1.38	6.65	3.61	52.01
1898...	8.37	1.27	10.16	4.13	5.41	7.79	7.88	3.99	9.20	3.15	2.01	2.25	65.61
1899...	8.13	3.57	5.86	3.77	5.63	2.28	6.54	1.47	3.29	3.36	3.27	4.77	51.94
1900...	2.75	5.08	2.13	2.94	4.71	9.28	5.49	0.48	3.21	4.04	5.91	2.67	48.69
1901...	1.95	2.58	5.13	3.02	2.16	1.56	1.80	5.48	3.40	4.50	2.41	6.54	40.53
1902...	4.80	2.00	3.54	3.98	2.20	4.80	0.57	5.70	4.61	1.39	4.90	9.78	48.27
1903...	2.85	7.78	4.10	2.35	4.43	1.72	3.76	0.66	0.65	2.25	2.12	4.68	37.35
1904...	5.16	2.45	6.49	3.41	2.00	1.78	4.13	2.17	3.04	1.03	0.29	3.93	35.88
1905...	3.33	2.02	3.72	3.20	5.50	3.59	8.33	4.31	1.06	4.48	5.30	4.69	49.53
1906...	7.84	1.61	6.82	1.48	1.48	4.20	4.60	3.28	6.04	1.64	8.61	7.22	54.82
1907...	11.13	4.44	3.65	4.63	8.98	4.16	6.26	2.64	1.59	3.98	5.47	3.57	60.50
1908...	3.72	8.32	2.89	7.73	5.04	6.51	1.76	3.25	0.41	0.03	4.36	1.74	45.76
Means	4.41	4.77	4.87	4.19	4.53	4.83	3.89	3.02	2.98	2.73	4.46	3.88	48.63

CANTON AND CADIZ, TRIGG COUNTY.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1889...	......	......	......	......	......	......	3.05	3.32	6.31	1.15	6.98	1.10	......
1890...	6.50	8.36	7.10	4.89	3.64	1.20	1.13	7.26	2.62	2.10	5.80	3.20	53.80
1891...	6.38	4.78	9.10	3.70	2.52	4.48	1.79	5.29	3.30	0.60	8.41	5.60	55.95
1892...	1.11	2.97	3.94	8.21	6.68	2.53	3.94	1.23	2.10	2.21	4.62	6.13	45.67
1893...	1.30	5.06	5.59	7.02	6.92	1.11	......	......	......	3.22	3.76	......	......
1894...	3.24	3.54	5.35	3.75	2.16	2.02	1.44	2.28	2.66	0.84	0.81	2.44	30.53
1895...	6.53	0.53	4.26	2.76	2.62	3.73	5.41	2.93	2.23	0.44	5.74	4.22	41.40
1896...	2.51	3.43	6.94	1.65	8.35	3.23	2.91	3.61	2.32	2.72	5.12	2.61	45.40
1897...	3.90	3.72	8.65	9.97	2.83	6.12	3.82	1.02	T.	0.90	4.03	3.13	48.09
1898...	7.46	0.71	7.21	4.83	......	5.23	7.14	2.82	4.44	4.09	2.63	2.96	......
1899...	7.07	4.83	5.36	2.78	4.83	0.14	4.10	2.66	0.05	2.09	2.12	2.43	38.46
1900...	2.85	2.69	1.11	2.08	4.17	11.83	6.03	0.28	2.55	......	......	......	......
1901...	......	......	......	......	......	......	......	......	......	......	......	......	......
1902...	......	......	......	......	......	4.26	2.19	2.24	2.51	2.84	4.75	9.60	......
1903...	1.95	*8.65	*4.07	2.34	4.94	1.92	5.03	1.13	T.	0.95	4.20	2.61	*37.79
1904...	2.92	1.53	5.49	2.86	2.72	1.65	4.61	2.94	4.24	0.54	0.79	5.52	35.81
1905...	2.44	2.12	3.26	2.62	5.98	4.38	4.45	2.97	3.39	3.79	2.02	4.73	42.15
1906...	3.93	1.51	5.67	1.20	2.49	4.44	4.11	3.13	8.43	2.11	8.48	5.79	51.29
1907...	7.90	4.83	2.86	3.67	8.18	3.79	2.72	3.65	2.49	3.19	3.62	3.89	50.79
1908...	2.43	5.88	3.74	6.67	......	......	......	......	......	......	......	......	......
Means	4.14	3.83	5.28	4.18	4.60	3.65	3.76	2.87	2.92	1.99	4.35	4.12	44.39

* Partly interpolated from surrounding stations.

CAIRO, ALEXANDER COUNTY, ILL.

Elevation, 359 feet.

1871...	......	......	......	......	......	......	5.97	2.22	2.34	3.81	2.93	4.56	......
1872...	1.44	2.26	2.05	4.52	5.00	1.79	3.45	0.19	2.56	1.16	0.57	1.56	26.52
1873...	5.03	6.68	3.27	5.54	5.07	4.45	1.68	2.48	4.09	5.28	3.04	4.25	50.86
1874...	3.11	7.38	6.68	7.57	1.55	2.20	0.52	2.79	3.14	1.54	7.34	3.81	47.63
1875...	3.21	2.17	6.73	3.01	3.11	8.41	9.88	3.32	0.16	1.76	7.96	3.21	52.93
1876...	15.05	2.34	9.84	2.67	5.84	6.62	3.44	5.24	0.73	2.14	0.96	0.73	55.60
1877...	1.93	0.25	3.62	3.87	2.13	4.88	5.63	1.58	3.15	3.12	4.76	4.55	39.47
1878...	3.05	1.94	2.97	5.61	4.41	4.61	2.81	3.45	2.99	2.59	3.80	3.53	41.76
1879...	2.81	2.03	2.95	3.03	2.79	8.70	1.37	7.05	0.93	3.87	3.25	6.63	45.41
1880...	4.56	5.01	4.52	3.25	4.64	2.92	4.34	2.61	4.55	6.96	3.98	2.22	49.56
1881...	3.56	4.97	1.33	3.62	2.44	1.81	0.18	0.11	2.74	2.74	4.98	3.70	32.13
1882...	6.35	10.14	4.22	4.14	10.22	3.34	5.25	3.46	3.28	2.57	5.06	2.65	61.58
1883...	2.74	8.52	2.14	5.64	3.85	6.15	7.95	1.73	0.34	6.97	4.36	2.18	52.58
1884...	2.32	5.58	4.20	3.65	4.57	2.95	7.34	2.74	5.02	1.89	2.41	8.99	51.66
1885...	3.49	1.48	1.08	1.43	3.21	4.63	0.82	2.40	4.76	2.89	2.79	3.01	31.99
1886...	3.82	2.54	2.84	6.64	2.98	4.87	1.01	2.84	2.52	0.45	5.73	1.74	37.98
1887...	2.15	4.60	2.18	2.09	1.37	2.34	1.42	1.10	1.67	0.38	3.33	4.12	26.75
1888...	2.80	2.51	4.91	3.08	3.58	5.48	3.32	5.45	0.28	3.24	4.85	2.40	41.90
1889...	4.61	1.57	1.40	0.97	1.91	8.07	5.15	1.10	3.82	2.81	5.56	0.77	37.74
1890...	6.32	7.57	6.14	3.76	4.19	1.45	1.62	5.16	2.27	3.04	6.08	2.91	50.53
1891...	3.95	3.20	5.86	1.55	2.48	3.97	2.21	4.77	0.29	0.49	7.30	3.49	39.56
1892...	2.01	3.32	2.29	5.28	5.55	3.55	1.73	5.23	0.90	0.74	4.20	3.91	38.71
1893...	1.26	3.93	2.09	6.91	6.70	7.59	1.23	1.64	6.83	6.26	2.75	1.60	48.79
1894...	2.18	4.77	4.14	2.54	2.79	1.04	1.92	1.68	2.69	1.47	1.42	3.87	30.51
1895...	3.77	0.39	2.76	2.75	1.48	4.86	5.97	0.71	1.86	0.50	5.27	3.25	33.57
1896...	1.45	1.69	3.97	2.57	10.82	4.73	2.31	1.78	2.95	1.73	4.18	1.18	39.36
1897...	3.89	3.95	7.50	6.49	1.12	6.87	2.76	0.89	0.53	0.91	5.50	3.69	44.10
1898...	6.26	1.18	9.20	2.13	5.36	1.73	5.67	3.56	6.11	4.64	1.55	1.27	48.66
1899...	5.46	2.51	3.59	2.33	5.27	5.74	3.90	1.06	2.25	3.42	3.05	3.84	42.42
1900...	2.00	3.20	1.29	1.79	3.98	10.07	3.13	0.27	2.40	1.70	4.63	2.43	36.89
1901...	1.52	1.78	3.62	2.70	2.00	0.91	4.57	3.83	1.56	3.40	1.77	4.02	31.68
1902...	3.42	1.37	2.12	3.36	2.13	2.47	0.40	3.26	3.29	0.79	3.51	6.95	33.07
1903...	2.35	4.19	4.28	1.85	3.52	2.37	4.89	0.81	0.75	1.98	2.07	3.85	32.91
1904...	4.05	1.70	4.60	2.98	2.03	3.61	4.20	2.59	1.91	1.20	0.15	2.98	32.00
1905...	3.41	1.98	2.84	2.19	4.11	6.00	4.43	3.79	0.69	3.00	3.64	3.40	39.48
1906...	6.17	1.42	6.07	1.29	0.46	2.33	3.86	5.73	4.77	0.44	7.88	6.50	46.92
1907...	7.77	3.58	3.39	3.81	6.78	2.95	3.92	2.43	1.14	2.90	4.43	2.48	45.58
1908...	2.84	6.98	1.88	6.63	4.90	3.15	1.92	4.28	1.01	0.02	3.32	1.54	38.47
Means	3.84	3.53	3.91	3.60	3.90	4.31	3.48	2.77	2.45	2.49	3.98	3.36	41.55

HOPKINSVILLE, CHRISTIAN COUNTY.

Elevation, 524 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1896...	......	......	......	......	......	4.31	6.48	3.14	3.40	1.76	6.06	1.32	......
1897...	4.47	4.58	7.37	8.84	2.58	2.30	2.44	1.21	T.	1.44	3.49	3.57	42.29
1898...	11.73	1.19	8.75	4.19	4.76	4.91	4.00	1.73	4.24	3.03	3.70	3.51	55.74
1899...	8.22	4.25	6.81	3.05	6.61	1.20	7.12	3.90	0.69	2.68	1.71	3.48	49.72
1900...	2.61	6.88	1.73	2.76	3.22	13.31	4.31	0.12	2.24	6.78	11.84	3.53	59.33
1901...	2.41	1.31	5.98	3.36	1.89	2.91	0.61	4.99	4.65	1.92	1.68	5.40	37.11
1902...	6.75	1.74	5.93	3.76	4.81	5.18	0.26	2.29	3.51	2.54	5.14	11.38	53.29
1903...	2.66	7.66	4.31	2.68	6.18	3.39	3.23	4.08	0.95	1.74	4.53	4.02	45.43
1904...	3.79	2.24	6.42	2.94	2.98	1.92	3.95	1.26	3.82	0.35	0.74	6.44	36.85
1905...	3.18	2.77	3.82	1.87	7.22	5.42	5.49	4.15	3.03	4.43	3.57	4.94	49.89
1906...	3.40	2.36	6.21	1.27	2.40	4.61	5.78	4.47	8.71	2.21	10.77	7.17	59.36
1907...	5.70	5.95	3.04	5.24	6.82	2.94	4.73	3.96	2.99	2.95	4.25	3.99	52.56
1908...	2.85	6.04	4.08	5.88	4.55	6.40	2.25	2.75	0.65	0.00	4.98	1.79	42.22
Means	4.81	3.92	5.37	3.82	4.40	4.52	3.90	2.93	2.99	2.45	4.80	4.66	48.65

*MARION, CRITTENDEN COUNTY.

1893...	......	......	......	......	......	......	......	......	......	......	3.24	1.22	......
1894...	2.86	4.72	3.39	4.09	1.86	2.07	0.86	2.13	1.25	1.31	0.80	5.46	30.80
1895...	4.54	0.30	3.33	3.10	1.72	3.32	7.01	2.00	1.97	0.89	6.54	2.38	37.10
1896...	1.27	1.32	3.68	3.49	11.78	2.02	4.84	1.07	6.17	3.50	4.14	1.55	44.83
1897...	2.90	5.45	10.82	5.38	1.75	4.08	4.94	0.43	....	......	4.83	3.01	......
1898...	7.17	1.07	7.62	4.94	6.35	2.98	5.46	......	4.36	.....	1.57	1.89	......
1899...	6.66	2.41	5.76	3.97	4.78	1.68	2.51	3.30	1.41	2.66	2.12	4.34	41.60
1900...	......	4.25	1.76	......	......	9.26	6.00	1.07	3.03	2.94	7.93	2.54	......
1901...	1.67	1.34	4.37	3.37	1.53	4.67	0.71	2.00	2.32	5.75	2.36	5.19	35.28
1902...	3.46	......	3.22	3.15	4.15	4.18	1.08	2.07	4.50	T.	5.93	8.51	......
1903...	2.73	5.67	2.55	2.91	4.25	1.26	1.93	3.85	1.14	1.69	......	......	......
1904...	4.71	2.04	8.49	3.12	1.68	4.06	5.23	2.83	7.65	0.82	......	......	......
1905...	3.41	1.92	4.01	4.44	5.53	2.07	6.18	1.80	1.15	5.64	6.64	4.99	47.78
1906...	6.37	2.46	6.50	1.05	0.69	3.96	6.38	3.96	3.92	2.01	6.13	7.83	51.26
1907...	12.48	2.13	5.29	3.32	6.48	4.51	3.56	5.37	5.04	4.19	......	......	......
1908...	3.22	5.40	3.30	6.50	6.26	4.42	3.14	3.66	1.73	0.13	3.78	1.78	43.32
Means	4.53	2.89	4.94	3.77	4.20	3.64	3.99	2.54	3.26	2.43	4.31	3.90	......

* Formerly called Ford's Ferry.

PADUCAH, McCRACKEN COUNTY.

Elevation, 341 feet.

1882...	2.01	4.26	4.90	4.37	10.31	3.26	7.88	7.59	1.28	1.89	4.34	2.58	54.67
1883...	4.35	6.22	7.26	6.86	4.28	3.54	6.64	2.50	1.06	7.38	3.93	3.41	57.43
1884...	2.31	4.40	3.70	4.89	4.62	5.11	5.01	3.24	5.03	3.21	0.50	4.55	46.57
1885...	1.62	0.75	2.52	1.52	3.05	8.68	1.34	2.52	2.61	1.65	2.55	3.15	31.96
1886...	2.29	2.02	2.17	5.02	1.09	5.61	1.14	6.21	1.74	0.28	4.07	1.71	33.35
1887...	1.23	5.33	3.12	1.50	1.57	1.92	3.03	1.30	2.04	0.51	4.13	2.01	27.69
1888...	4.34	1.70	5.00	3.30	3.43	4.23	1.23	4.56	0.10	1.54	5.44	0.65	35.52
1889...	3.64	1.61	1.92	1.34	4.48	5.19	4.91	0.45	5.69	0.72	5.46	0.89	36.30
1890...	6.82	8.35	5.23	4.62	4.42	0.84	1.33	7.12	2.61	3.77	7.56	2.81	54.98
1891...	4.08	6.59	8.10	1.91	1.88	3.63	3.59	6.07	0.49	0.31	6.42	5.00	48.07
1892...	0.62	2.56	2.55	9.08	2.69	1.55	3.15	3.95	0.04	0.62	2.35	3.62	32.78
1893...	3.00	4.37	2.08	5.11	7.53	4.80	0.81	2.80	3.54	5.84	3.19	2.16	45.23
1894...	2.70	5.63	3.83	3.82	3.92	1.66	1.58	2.32	2.87	1.15	0.88	3.75	34.11
1895...	5.11	0.28	3.30	4.07	1.47	4.02	5.27	1.95	2.38	0.88	6.16	2.94	37.83
1896...	1.68	2.05	4.91	1.82	8.79	4.22	3.51	1.98	2.82	2.34	5.27	2.33	41.72
1897...	3.94	4.53	9.38	9.89	2.53	5.98	3.83	1.23	0.00	1.82	4.69	3.49	51.31
1898...	9.06	0.95	9.49	3.85	5.37	4.81	3.83	2.72	7.83	3.43	1.91	1.76	55.01
1899...	8.08	2.81	5.88	3.65	5.79	1.54	6.52	2.91	1.36	3.11	2.15	4.75	48.55
1900...	2.60	5.78	1.61	2.87	5.05	8.99	4.89	0.69	2.05	2.88	6.22	2.36	45.99
1901...	1.77	2.28	3.83	2.72	1.41	1.54	0.83	6.56	4.65	6.05	2.06	7.58	41.28
1902...	4.45	1.80	4.04	2.64	2.35	2.74	3.56	3.28	6.48	2.67	6.68	9.53	50.22
1903...	3.20	6.16	3.42	2.14	3.92	0.83	3.14	2.08	0.79	1.90	2.26	4.02	33.86
1904...	4.77	2.12	6.99	3.32	1.21	3.42	6.27	1.00	3.57	1.35	0.20	4.38	38.60
1905...	3.17	2.03	3.75	3.80	5.57	2.18	6.19	2.10	1.66	4.85	4.41	4.20	43.91
1906...	4.50	1.86	7.24	1.28	0.74	4.03	6.09	2.72	4.44	2.20	7.85	7.14	50.09
1907...	10.87	3.86	3.56	4.28	6.99	3.44	3.18	3.00	2.49	2.82	4.76	3.88	53.13
1908...	2.32	8.26	3.32	6.78	4.22	3.26	3.42	4.97	0.57	0.20	5.01	1.49	43.82
Means	3.87	3.65	4.56	3.94	4.03	3.74	3.78	3.25	2.60	2.41	4.09	3.56	43.47

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
SALT RIVER GROUP.	*Yrs*													
Bardstown	12	8	7	11	10	9	9	8	7	6	4	6	8	94
Louisville	38	12	11	13	12	12	11	10	8	7	7	10	11	127
Shelbyville	20	10	10	12	10	11	10	9	8	7	6	8	9	110
GREEN RIVER GROUP.														
Bowling Green	19	10	9	11	10	10	9	8	8	6	5	7	9	105
Earlington	18	9	8	11	10	11	10	7	7	6	5	7	8	99
Evansville	12	10	10	13	11	12	11	10	8	8	6	8	10	117
Greensburg	17	11	11	13	10	10	11	10	8	7	5	8	10	115
Owensboro	12	9	9	12	11	11	9	9	7	7	6	8	9	105
TENNESSEE AND CUMBERLAND GROUP.														
Blandville	15	9	8	11	9	10	10	10	8	7	5	7	8	102
Cairo	37	12	10	12	11	11	11	9	8	7	7	9	11	118
Hopkinsville	12	8	7	11	9	9	9	9	7	6	5	7	8	97
Paducah	16	8	8	10	9	10	9	8	7	5	5	7	9	97

Relative humidity.

Louisville	20	73	72	70	63	65	67	66	68	68	67	70	72	68
Earlington	12	84	82	80	75	76	79	78	81	81	81	81	83	80
Cairo	21	73	71	67	61	66	69	69	71	71	66	66	72	69

Average hourly movement of the wind, in miles.

Louisville	37	8.7	9.3	9.5	8.5	7.4	6.8	6.1	5.7	6.1	6.6	7.9	8.4	7.6
Evansville	12	8.4	8.6	8.8	8.3	7.3	6.6	5.9	5.3	5.8	6.5	7.3	8.2	7.2
Cairo	18	9.7	10.6	11.3	10.2	8.3	6.9	6.2	5.8	6.3	7.1	8.9	9.7	8.4

Mean temperature.

SALT RIVER GROUP.														
Bardstown	12	35.5	33.3	47.8	54.2	75.2	74.4	78.5	77.7	71.8	59.3	50.0	36.6	57.0
Irvington	11	35.7	32.6	47.9	55.6	67.0	73.9	77.5	76.4	70.8	59.1	45.2	36.1	56.4
Loretto	11	36.7	33.5	48.7	54.2	66.1	72.8	76.7	75.9	70.5	58.8	46.3	36.6	56.4
Louisville	37	34.8	36.7	45.8	56.2	66.2	75.0	78.7	77.1	70.6	58.6	46.4	37.8	57.0
Shelbyville	20	33.7	33.7	45.5	54.8	65.0	73.9	77.1	75.5	69.9	56.4	43.9	35.9	52.6
GREEN RIVER GROUP.														
Bowling Green	20	37.0	37.0	48.6	58.0	67.6	75.9	79.1	72.2	72.0	58.9	51.9	39.4	58.3
Earlington	19	35.7	36.1	47.6	57.3	67.1	75.8	78.0	76.6	70.7	58.9	47.7	39.2	57.6
Evansville	12	35.1	33.0	46.9	55.1	67.0	75.0	78.6	78.1	71.6	59.4	47.0	36.0	56.9
Greensburg	16	34.5	33.3	47.2	55.2	65.2	73.7	76.8	75.9	70.0	56.6	44.8	36.6	55.7
Leitchfield	13	34.3	32.6	46.8	54.6	65.7	72.7	76.7	75.7	69.6	57.8	46.0	37.5	55.7
Owensboro	12	35.8	34.1	48.4	54.6	66.4	74.2	77.8	76.7	70.7	59.2	47.6	37.1	56.9
TENNESSEE AND CUMBERLAND GROUP.														
Blandville	27	29.1	36.0	46.7	57.3	66.7	75.1	77.7	77.0	70.8	57.9	46.3	36.9	56.8
Cairo	37	35.6	37.8	47.5	58.4	67.6	75.4	78.9	77.6	70.7	59.6	47.2	38.8	58.0
Canton and Cadiz	15	37.0	37.8	49.5	58.7	67.1	74.9	77.7	77.8	71.9	58.9	47.7	39.3	58.0
Hopkinsville	12	37.5	35.7	50.1	55.2	67.3	74.6	78.4	78.0	71.6	60.0	47.8	38.0	57.8
Paducah	17	37.4	36.3	50.2	59.3	69.8	77.9	81.3	80.5	74.3	61.4	49.1	39.4	59.8

Highest temperature.

SALT RIVER GROUP.														
Bardstown	12	73	71	89	91	95	100	108	102	104	94	82	68	108
Irvington	11	73	69	85	87	96	98	100	98	98	93	79	69	100
Loretto	11	83	73	90	90	93	98	106	98	102	92	93	70	106
Louisville	37	74	78	88	91	94	100	107	105	102	91	79	74	107
Shelbyville	20	76	74	92	93	98	104	107	103	103	94	79	69	107
GREEN RIVER GROUP.														
Bowling Green	22	75	77	91	94	96	104	108	103	102	94	79	76	108
Earlington	19	74	76	90	92	95	100	106	99	102	91	79	74	106
Evansville, Ind	12	68	70	82	90	92	99	107	100	98	91	78	68	107
Greensburg	17	82	77	88	91	94	102	107	104	105	96	82	70	107
Leitchfield	13	72	69	86	90	93	96	103	102	99	89	78	67	103
Owensboro	12	73	73	89	92	94	98	102	99	101	90	80	70	102
TENNESSEE AND CUMBERLAND GROUP.														
Blandville	35	75	74	88	92	98	102	108	107	102	94	84	75	108
Cairo	37	74	75	85	89	92	98	106	103	97	90	80	74	106
Canton and Cadiz	15	75	75	90	91	94	100	107	105	100	94	84	72	107
Hopkinsville	12	75	73	88	92	97	101	109	102	103	93	81	71	109
Paducah	16	76	77	88	94	98	102	112	105	104	95	82	78	112

Lowest temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
SALT RIVER GROUP.														
Bardstown	12	− 4	−25	2	24	31	40	50	52	29	23	10	− 7	−25
Irvington	11	− 5	−25	2	24	32	41	50	51	29	25	13	− 8	−25
Loretto	11	−18	−30	0	19	29	41	46	48	28	19	5	−11	−30
Louisville	37	−20	−14	3	21	33	44	54	50	36	26	4	− 7	−20
Shelbyville	20	−15	−23	− 3	23	28	41	46	44	28	18	10	−10	−23
GREEN RIVER GROUP.														
Bowling Green	20	− 7	−17	2	25	33	39	50	41	28	20	11	−10	−17
Earlington	19	− 5	−28	5	25	32	40	48	45	32	24	11	−10	−28
Evansville	12	− 4	−15	4	26	35	44	56	55	33	31	14	− 6	− 15
Greensburg	17	− 9	−29	2	17	28	38	45	42	29	21	8	−12	−29
Leitchfield	13	− 5	−26	1	20	31	42	50	52	28	23	10	−11	−26
Owensboro	12	− 3	−21	4	26	35	43	51	52	32	25	13	− 1	−21
TENNESSEE AND CUMBERLAND GROUP.														
Blandville	34	−18	− 15	4	25	31	43	53	50	32	16	1	− 8	−18
Cairo	37	−16	− 14	6	24	37	46	57	52	36	24	7	− 7	−16
Canton and Cadiz	15	− 8	10	8	27	34	42	52	52	34	24	14	0	−10
Hopkinsville	12	− 6	−19	3	24	33	41	51	50	34	22	13	−14	−19
Paducah	16	− 3	−12	6	27	38	45	59	51	37	29	14	− 3	− 12

Prevailing direction of the wind.

SALT RIVER GROUP.														
Bardstown	5	sw	sw	sw	sw	se sw	sw	sw	sw	sw	sw	sw	sw	sw
Louisville	37	sw	s	sw	s	s	sw	sw	n	n	n	s	sw	sw
Shelbyville	20	s	s	s	s	s	s	s	s	s	s	s	s	s
GREEN RIVER GROUP.														
Bowling Green	19	s	w	s	s	s	s	s	s	s	sw	s	sw	s
Earlington	8	sw	n w	sw	w	sw	sw	sw	sw	sw	sw	sw	sw	sw
Evansville	5	s	....	s	s	s	s	s	s	ne s	ne	....	s	s
Greensburg	11	sw	w	n	sw	sw	n sw	ne sw	e se	n	n	w sw	sw	n sw
Owensboro	12	nw	nw	s	s sw	sw	s	sw	s sw	sw	sw	sw	s nw	sw
TENNESSEE AND CUMBERLAND GROUP.														
Blandville	15	nw	nw	nw	nw	sw	sw	sw	sw	nw	sw	nw	nw	sw
Cairo	37	s	n	s	s	s	s	s	s	s	s	n	s	s
Hopkinsville	12	n	n	s	n	s	s	s	s	n sw	n	n	n	n s
Paducah	16	s	n	s	s	s	s	s	s	s	s	s	s	s

Frost data.

Stations.	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in autumn.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
SALT RIVER GROUP.	*Yrs.*				
Bardstown	12	October 18	April 18	September 22	May 9
Irvington	11	October 17	April 17	September 21	May 7
Loretto	11	October 6	April 21	September 19	May 9
Louisville	19	October 22	April 9	September 24	May 14
Shelbyville	17	October 15	April 15	September 22	May 22
GREEN RIVER GROUP.					
Bowling Green	16	October 20	April 17	September 22	May 14
Earlington	16	October 16	April 19	September 30	May 1
Evansville	12	October 27	April 7	September 30	April 21
Greensburg	16	October 6	April 20	September 14	May 14
Leitchfield	13	October 16	April 14	September 21	May 1
Owensboro	12	October 24	April 10	September 22	April 21
TENNESSEE AND CUMBERLAND GROUP.					
Blandville	14	October 20	April 15	September 21	May 14
Cairo	38	October 28	March 30	September 30	April 19
Canton-Cadiz	13	October 16	April 14	September 21	April 23
Hopkinsville	12	October 20	April 11	September 21	April 21
Paducah	15	October 26	March 29	September 30	April 20

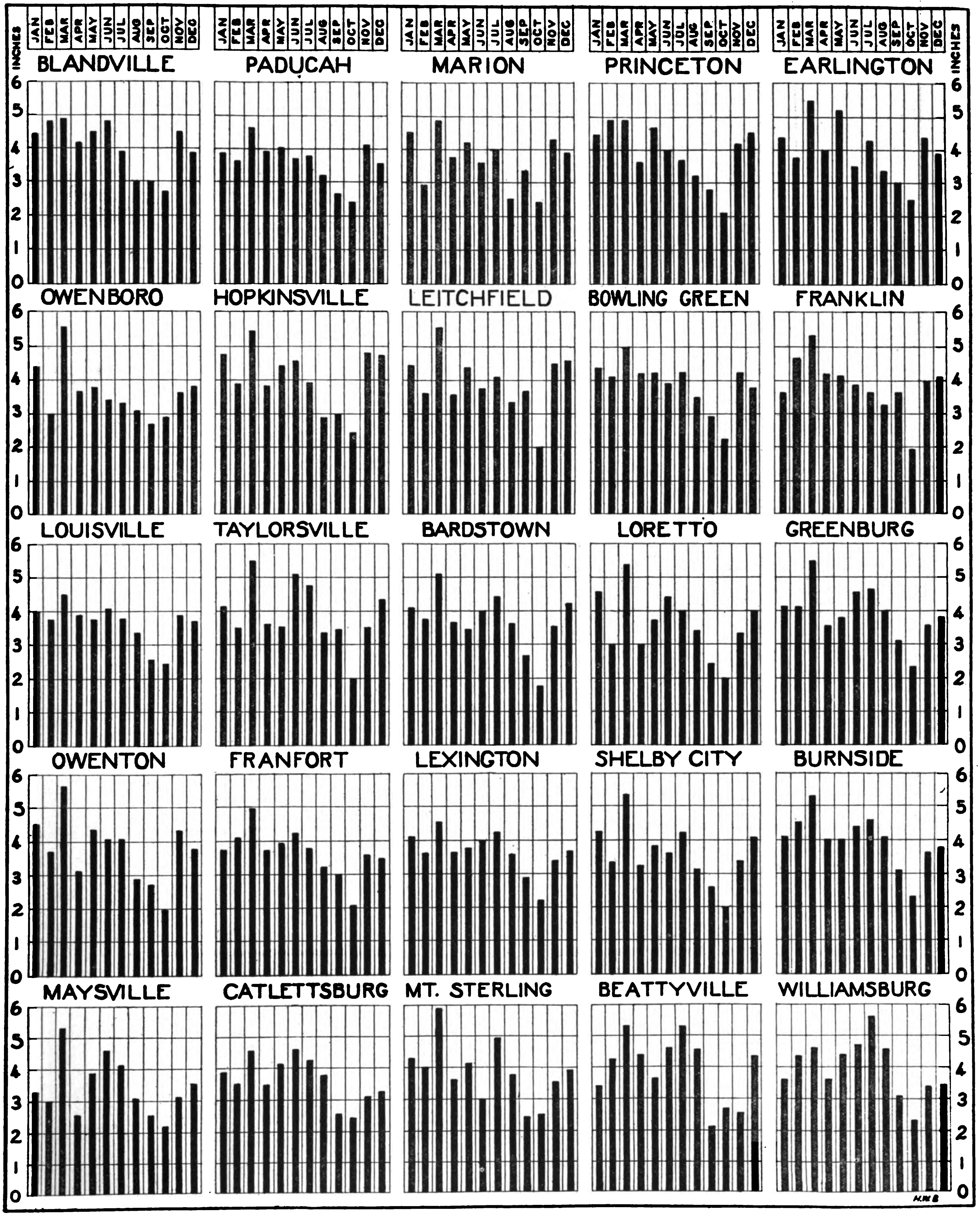


Diagram showing the comparative monthly distribution of precipitation.

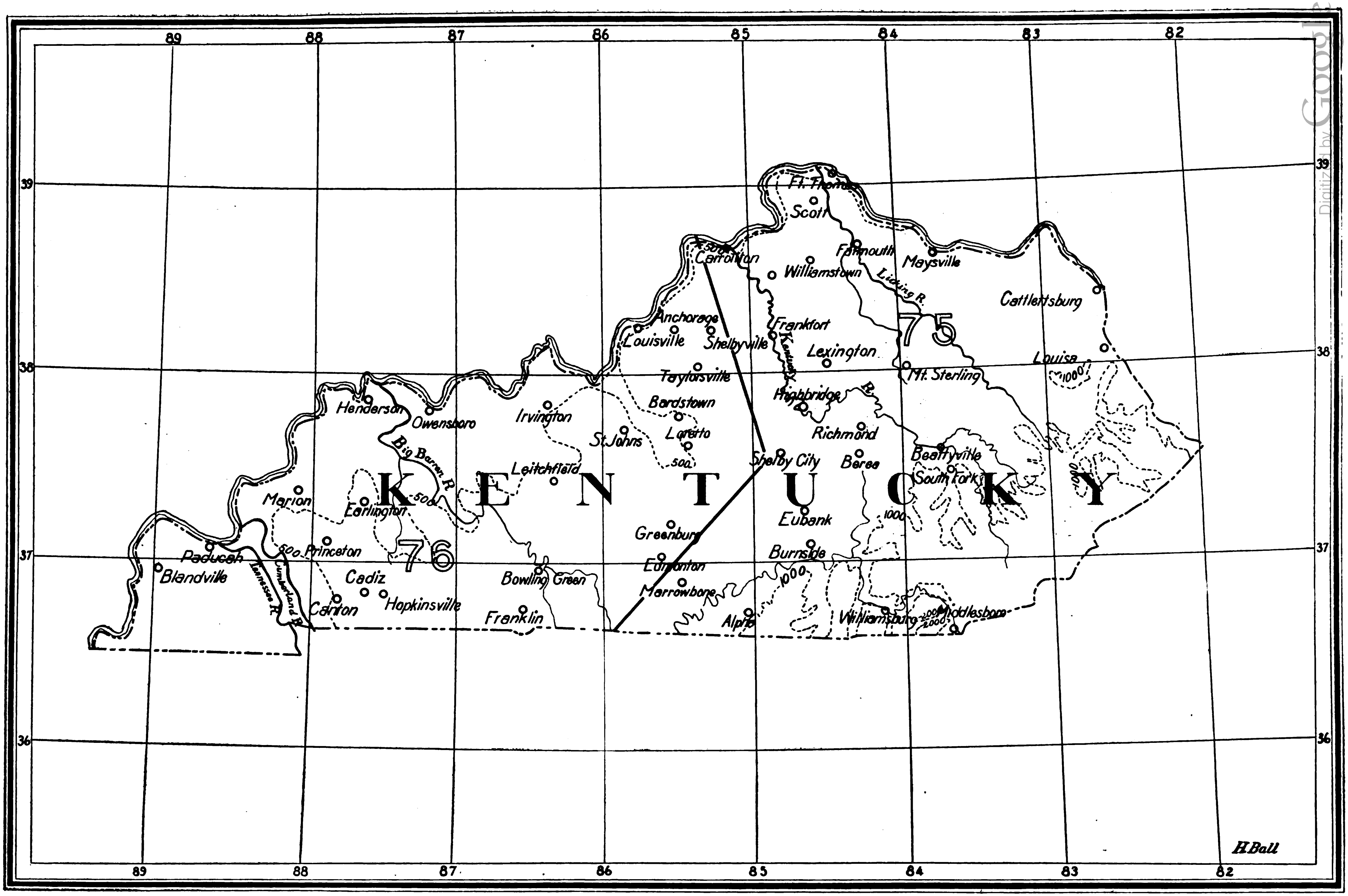


Chart showing principal points of observation, the drainage basins, and the general elevation of Kentucky.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, in charge.

SECTION 77.—MIDDLE AND WEST TENNESSEE.

Section No. 77 of Climatological Data embraces that portion of Tennessee lying west of the Cumberland Table Land, which, on account of its varied topography, falls into the following natural divisions: The central basin, with its surrounding wide highland rim, and the plateau-slope of West Tennessee.

Of the area of the territory here considered (about 26,000 square miles), the central basin comprises 5,451 square miles; the highland rim, 9,300; the Tennessee River Valley, 1,200, and the plateau of West Tennessee, 9,750, including about 900 square miles of Mississippi bottom lands.

The central basin is most highly favored in natural adaptability for stock-raising and a variety of crops. The landscape is diversified with hills and valleys, and threaded with many streams and dotted with hundreds of springs. The soil is limestone, except in the alluvial lowlands, and blue grass grows spontaneously. Wheat, corn, oats, clover, timothy, fruits and vegetables are the principal crops, while fine horses, mules, cattle and hogs are raised under the most favorable conditions.

The western highlands is a stock-raising section, with wheat, corn, peanuts, oats and tobacco as staple crops, and with special advantages for fruits and vegetables. West of the Tennessee River the land surface is comparatively level; the soil is light, porous and siliceous, well adapted to the growth of cotton, corn, wheat, peanuts, tobacco, clover, the grasses, and especially small fruits and vegetables. The principal area for cotton is in the southern end of this plateau and the Mississippi bottom lands, while the central counties are noted for their fruit and vegetable products. The northern counties raise excellent crops of tobacco, wheat and corn, and make stock-raising an important industry.

The altitudes of the different portions of this territory vary from an average of 1,000 feet above sea level on the highland rim to an average of about 250 feet in the Mississippi bottom. There are points in the highlands considerably above 1,000 feet, the highest being Short Mountain in Cannon County, which is about 1,500 feet above sea level. The average elevation in the central basin is about 500 feet, with some points somewhat below 400 and some reaching about 800 feet. The western valley of the Tennessee River falls to about 370 feet, and the plateau of West Tennessee rises from the valley to about 700 feet above sea-level and then descends gradually to the west, ending in a line of bluffs near the Mississippi River, these bluffs being about 350 feet above sea level.

The entire course of the Cumberland River in Tennessee—about 304 miles—is included in this territory; the Tennessee River flows for 131 miles across the State just west of the western highlands, and the section of the Mississippi River along the western boundary is 140 miles long. These rivers thus give the territory 575 miles of navigable water in three well-distributed streams. The central basin and the highlands are drained by the Cumberland and the Tennessee, with their tributaries. The Tennessee also drains the eastern portion of the plateau of West Tennessee, but the greater part of the western section is drained by the Mississippi. The Cumberland River receives its most important tributaries in this territory, viz.: the Obey, the Caney Fork, the Stones, the Harpeth and the Red rivers. The Tennessee River receives the waters of the Elk, the Duck and the Big Sandy rivers. The Duck is an important stream of Bedford, Humphreys, Hickman and Maury counties. The most important tributaries of the Mississippi River are the Obion, the Forked Deer, the Hatchee, the Loosahatchee and the Wolf rivers.

The whole territory is well watered and well drained, and, outside of the Mississippi bottoms, scarcely a swamp, in the usual acceptance of the word, exists.

Among the natural resources of this section the forests are very important, including oaks of many varieties, poplar, hickory, locust, etc.

CLIMATIC FEATURES.

This section does not lie directly within any of the principal storm tracks that cross the country, but comes under the influence of the storm centers passing along two of these tracks, viz.: (1) the southern track through northern Texas to Louisiana, along the Gulf coast, thence up the Atlantic coast, and, (2), the track from Oklahoma northeastward to the Lakes, thence to the coast of Maine. Weather changes are therefore frequent, as compared with the remarkably stable conditions of the far southwest country, but not nearly so frequent as in the Lake region and the Northeastern States.

Sudden and decided changes in temperature are rare here as compared with their frequency in the Lake region, where from thirty to forty such changes occur to every ten in Tennessee; but they occur here twice as often as they do along the Gulf and south Atlantic coasts, or over the far southwest.

Zero temperatures occur, on an average, not oftener than once a year. Temperatures as low as 10° above zero are registered about four times a year in the highlands and northern counties but only about two times in the southern portions. Occasionally the temperature falls to considerably below zero, as in the case of February 13, 1899, when it reached ten to twenty degrees below zero.

In summer this section is subject to periods of hot weather such as are due to the latitude. Maximum temperatures of 100° are occasionally reached. On an average the temperature reaches 95° or above on about 15 days during the period June to September, inclusive. At the lower elevations there are periods of sultry weather, such as are to be expected in the central valleys, where moisture-laden winds from the Gulf have their effect. On the highlands, which comprise more than one-third of the territory, the conditions of heat and humidity are considerably modified; the nights are cooler and the air movement is greater. In the northern highlands the temperature averages about three degrees lower than in the extreme southwest portion of the territory.

The period between the last killing frost of spring and the first killing frost of autumn gives a long crop-growing season. The average date of the last killing frost in spring is April 8, and of the first in autumn, October 22.

The section under discussion belongs to the region of abundant rainfall and receives an average of about 50 inches in the year. This insures the many unfailing springs and streams that exist here, and which are of great value in a stock-raising country. The heaviest rains come in the late winter or early spring, and the driest season is mid-autumn. From December to May, inclusive, about 28 inches of precipitation occur; during the summer, about 12 inches; during the autumn, about 10 inches.

Occasional heavy downpours of 2.50 inches or more in 24 consecutive hours occur in all portions of the section. At Nashville a record of thirty-six years shows the total number of occurrences of 2.50 inches or more in 24 consecutive hours to have been 45; of more than 3.00 inches, 28; more than 4.00 inches, 11; more than 5.00 inches, 6; more than 6.00 inches, 1. Occasional droughts occur, lasting from fifteen to thirty days; they come mostly in the late summer and autumn.

On an average, there are about 120 days in the year with measurable rainfall. Clear skies prevail on about 100 days, partly cloudy on 150 and cloudy on 115.

The average annual snowfall is only about 8.0 inches, and the ground is rarely covered for more than a few days at a time.

The distribution of precipitation over this section is shown in detail in the accompanying tables, which give the monthly and annual amounts at the various stations. The differences in elevation are not sufficient to produce any marked local peculiarities of rainfall, and it will be seen that the distribution is rather uniform. However, it is slightly greater over the highlands than over the lower elevations.

For the various tables following these remarks such stations were selected as would set forth the general climatic features of the whole territory and give details for important localities.

ROSCOE NUNN,
Section Director.

Precipitation in Middle and West Tennessee. Monthly, annual and average amounts (in inches and hundredths).

[Figures in bold-faced type estimated from surrounding stations.]

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
ASHWOOD, MAURY COUNTY, TENN.—Elevation 725 feet.													
1873.	3.80	7.60	5.40	3.30	5.20	4.60	0.70	1.00	4.30	3.10	4.80	4.70	48.50
1874.	4.30	7.20	7.70	15.50	0.70	2.30	5.40	7.80	4.20	1.30	5.80	3.00	65.20
1875.	6.20	3.10	9.50	3.80	3.40	4.30	7.80	0.80	4.80	1.70	4.10	3.50	53.00
1876.	6.30	3.10	4.80	3.10	4.80	4.20	5.90	5.70	2.20	4.00	0.60	1.60	46.30
1877.	5.90	1.90	3.40	8.20	1.40	7.10	6.70	4.50	2.60	4.00	4.60	4.40	54.70
1878.	3.70	4.30	3.50	6.10	2.20	6.30	5.20	4.30	1.40	3.30	2.50	5.80	48.60
1879.	7.40	3.20	3.90	3.40	2.90	1.70	6.20	5.00	5.10	3.80	5.60	9.60	57.80
1880.	4.80	6.10	8.50	4.30	4.50	5.80	3.70	4.60	4.80	5.60	6.40	3.00	62.10
1881.	4.10	3.80	3.00	4.90	9.30	5.00	0.20	0.50	5.60	5.50	8.10	4.20	54.20
1882.	18.10	7.30	8.15	3.80	9.80	1.55	4.10	5.35	1.30	1.50	3.90	1.20	66.05
1883.	4.40	7.00	3.10	6.10	5.10	4.50	7.30	5.30	2.60	7.50	3.50	4.80	61.20
1884.	6.80	7.30	6.20	6.00	3.90	3.80	7.00	1.70	0.60	2.40	1.70	3.70	51.00
1885.	5.00	2.40	2.70	3.60	3.90	4.10	3.60	3.60	4.71	3.23	3.10	2.77	42.71
1886.	4.30	2.89	4.46	2.86	3.48	5.20	0.97	2.99	3.08	0.32	5.13	3.41	39.09
1887.	4.41	7.20	4.56	1.65	2.60	1.25	3.34	2.51	2.58	2.81	1.51	5.96	40.39
1888.	3.82	3.31	7.43	3.72	4.02	3.79	4.27	11.93	3.42	3.40	6.06	1.35	56.52
1889.	5.30	2.71	3.49	2.15	2.83	3.34	9.02	6.70	4.87	1.09	7.39	1.18	50.07
1890.	7.89	10.34	7.81	3.52	3.18	2.51	1.51	3.33	4.42	3.71	1.08	3.72	53.02
1891.	6.33	7.45	10.39	4.15	0.53	6.90	5.06	2.69	0.62	1.07	5.83	4.52	55.54
1892.	2.60	3.71	5.15	11.13	6.65	6.87	8.12	2.89	3.71	0.37	4.99	7.22	63.41
1893.	0.80	6.94	3.18	7.52	8.28	5.60	4.59	5.72	7.76	2.01	2.80	3.42	58.62
1894.	5.54	9.56	3.61	4.58	1.59	3.81	3.62	3.40	3.79	0.39	2.15	3.16	45.20
1895.	4.50	0.58	6.11	3.53	1.20	0.70	8.67	3.07	5.20	2.10	2.40	4.44	42.50
1896.	2.88	6.91	5.52	4.97	2.50	4.50	7.25	1.88	3.61	1.85	7.60	1.60	51.07
1897.	3.95	4.20	12.68	6.20	3.73	1.74	3.00	2.32	T.	0.60	3.58	6.35	48.35
1898.	9.25	1.15	4.01	5.32	2.66	2.90	5.65	3.67	3.83	2.84	3.52	2.50	47.30
1899.	5.96	7.73	7.29	3.52	2.41	1.74	3.18	3.02	1.09	2.94	1.86	6.21	46.95
1900.	3.03	4.27	3.04	6.02	3.61	11.67	4.75	2.73	2.50	4.80	3.18	2.55	52.15
1901.	3.97	1.99	1.66	4.50	1.60	2.30	2.00	5.15	3.57	0.95	0.87	3.87	32.43
1902.	5.49	2.67	7.40	2.95	1.90	3.20	1.40	2.85	5.88	1.45	5.60	4.71	45.50
1903.	3.22	5.27	5.74	2.23	4.33	5.02	3.90	......	0.50	0.68	4.63	3.47	......
1904.	4.02	1.00	5.85	3.38	5.61	2.81	3.31	2.67	2.30	1.79	2.33	5.63	40.70
1905.	4.15	2.51	5.16	2.35	6.45	5.24	1.50	......	3.26	5.35	1.15	5.15	......
1906.	3.16	0.69	6.53	3.49	3.51	2.46	7.77	6.71	11.03	4.60	4.70	5.20	59.85
1907.	2.29	3.05	6.17	3.70	6.62	3.29	1.50	3.18	3.28	1.57	4.52	2.85	42.02
1908.	3.35	5.44	5.08	6.16	5.07	3.87	3.50	......	5.85	0.55	3.18	3.05	......
Mns.	5.14	4.61	5.62	4.77	3.93	4.06	4.49	3.86	3.62	2.62	3.91	4.01	50.64
BOLIVAR, HARDEMAN COUNTY, TENN.—Elevation 450 feet.													
1883.	......	......	5.63	8.09	4.54	4.15	6.44	2.42	1.15	12.09	4.46	5.85	......
1884.	6.13	7.46	5.86	6.23	7.15	4.74	3.57	1.38	2.06	2.44	1.35	5.81	54.18
1885.	7.58	1.53	1.56	2.85	2.54	5.23	3.93	1.17	4.95	2.68	3.39	1.97	39.38
1886.	......	3.10	3.51	4.32	7.56	8.81	3.26	3.30	4.48	0.85	8.02	1.75	......
1887.	4.20	......	......	......	0.13	1.76	1.27	0.20	1.05	2.12	0.85	......	......
1858.	3.25	......	......	......	2.01	......	......	......	......	......	......	......	......
1889.	......	......	......	......	2.45	8.40	3.50	2.55	7.10	T.	......	0.70	......
1890.	10.70	......		......	5.74	3.70	4.95	12.35	9.76	1.90	0.30	......	......
1891.	......	......	......	......	0.89	1.17	2.39	0.09	1.24	0.05	6.11	......	......
1892.	......	......	......	1.62	4.89	4.56	7.00	3.12	2.50	0.06	5.32	......	......
1893.	0.60	5.95	1.34	8.55	9.22	3.75	2.96	0.85	5.01	0.54	4.52	......	......
1894.	......	9.24	7.83	7.50	3.29	2.14	4.80	2.22	1.23	0.35	1.37	4.45	......
1895	5.06	0.76	8.17	......	1.54	0.93	5.77	0.95	0.61	1.73	4.37	3.79	......
1896.	4.67	3.65	5.58	4.22	2.01	1.63	4.31	0.66	1.45	1.89	7.29	1.09	38.45
1897.	3.28	3.00	12.45	6.65	1.09	2.19	0.68	1.27	0.00	0.72	4.05	7.17	42.55
1898.	12.01	1.69	4.86	2.70	4.44	1.63	4.03	2.18	3.90	5.26	2.94	2.78	48.42
1899.	7.13	......	......	......	2.23	3.19	3.56	1.11	0.95	2.55	2.61	3.99	......
1900.	2.47	5.94	2.42	5.57	3.02	13.05	5.70	0.82	3.21	5.96	7.41	2.73	58.30
1901.	3.75	2.02	3.41	2.82	1.63	0.41	1.18	8.37	4.53	0.85	1.72	4.83	35.52
1902.	6.10	3.20	8.43	2.06	1.90	4.25	1.36	5.02	4.73	1.07	4.37	10.41	52.90
1903.	3.20	5.64	3.66	2.85	7.94	0.99	1.51	3.74	0.45	1.35	3.27	4.72	39.32
1904.	3.31	1.38	6.53	3.50	3.66	3.58	4.64	1.93	2.46	0.29	1.24	7.55	40.07
1905.	4.86	3.51	5.56	3.03	5.65	7.48	2.90	3.59	0.74	11.95	1.90	4.50	55.67
1906.	4.30	0.71	5.72	1.00	2.40	2.90	6.54	1.87	7.09	3.48	14.98	5.15	56.14
1907.	2.12	4.16	4.37	4.92	8.53	4.91	5.39	2.20	1.76	2.94	4.57	......	......
1908.	3.11	7.01	5.81	5.82	2.29	6.21	0.94	3.89	0.58	0.31	3.30	3.29	42.56
Mns	4.89	3.89	5.41	4.35	3.79	4.04	3.70	2.69	2.92	2.54	4.15	4.34	46.71
CARTHAGE, SMITH COUNTY, TENN.—Elevation 500 feet.													
1885.	......	......	2.20	3.00	......	......	......	......	......	......	......	3.38	......
1886.	5.31	2.88	5.44	2.46	2.75	8.50	3.51	......	......	......	......	2.83	......
1887.	4.80	10.12	3.97	1.74	2.04	1.36	5.63	......	......	......	......	3.50	......
1888.	6.13	3.40	5.93	2.43	3.28	5.61	3.65	......	......	......	......	1.68	......
1889.	4.46	2.71	3.16	3.30	3.52	5.64	6.91	0.08	1.73	1.78	8.04	1.18	42.51
1890.	7.62	9.28	7.66	5.68	4.05	4.04	1.27	7.18	5.46	3.64	1.68	6.08	63.64
1891.	5.09	9.67	9.30	3.11	1.38	6.22	2.15	6.74	1.01	0.80	6.68	2.49	54.64
1892.	3.69	3.47	4.67	7.12	5.41	3.25	3.35	2.38	1.82	0.21	4.34	4.15	43.86
1893.	1.22	5.32	2.65	5.99	6.17	4.21	5.45	4.04	4.34	2.51	2.40	2.91	47.21
1894.	4.36	8.43	3.71	2.84	4.19	2.77	2.27	5.55	2.54	1.22	1.76	4.75	44.39
1895.	6.30	0.95	5.66	7.42	2.43	2.26	5.72	4.22	4.60	2.14	2.20	5.32	49.22
1896.	0.95	4.80	6.51	3.60	3.89	4.04	9.24	1.16	6.06	0.86	8.01	1.77	50.89
1897.	4.18	5.91	9.32	8.45	1.79	2.35	6.35	3.65	0.29	0.86	3.92	6.38	53.45
1898.	9.84	1.38	4.78	4.73	2.05	4.94	5.70	8.32	1.75	5.65	3.38	2.51	55.03
1899.	6.05	6.52	8.58	3.64	4.19	1.09	4.69	3.00	1.56	2.04	1.93	5.73	49.02
1900.	3.01	5.19	3.03	3.51	1.59	8.77	7.66	3.75	3.94	3.38	6.70	2.65	53.18
1901.	2.74	1.75	3.94	5.35	4.32	3.95	2.29	12.59	4.24	1.09	1.87	5.07	49.20
1902.	5.09	2.27	7.58	3.45	3.03	4.51	0.53	4.53	4.61	2.80	4.89	6.08	49.37
1903.	2.71	6.71	6.73	5.41	4.57	6.96	1.76	4.05	0.41	1.97	4.54	4.00	49.82
1904.	1.49	1.69	7.14	3.03	4.04	5.51	3.08	2.09	1.92	0.70	2.03	5.13	37.85
1905.	2.14	2.86	4.56	3.04	3.10	10.20	3.13	2.48	3.33	7.34	2.52	5.07	49.77
1906.	5.74	1.27	4.78	2.73	4.73	2.87	6.51	4.34	10.48	2.26	4.10	5.01	54.82
1907.	2.46	4.84	4.62	3.16	8.17	4.85	3.54	2.44	3.30	2.88	4.97	3.48	48.71
1908.	2.58	4.87	4.79	4.22	4.33	3.43	3.17	1.29	2.52	0.63	3.02	3.23	38.08
Mns.	4.26	4.62	5.45	4.14	3.70	4.67	4.24	4.24	3.30	2.24	3.95	4.10	48.91

BYRDSTOWN, PICKETT COUNTY, TENN.—Elevation 1,026 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1892.	......	......	......	......	......	......	......	......	......	0.10	6.07	2.07	......
1893.	1.09	7.03	2.83	3.40	......	4.49	3.36	3.22	4.82	2.38	2.77	3.24	......
1894.	3.55	6.00	2.15	3.46	3.08	2.33	3.70	3.20	2.72	1.04	2.24	5.80	39.27
1895.	8.10	1.85	5.27	5.12	4.76	2.37	9.27	4.30	1.34	2.88	2.15	5.42	52.83
1896.	1.62	3.74	9.50	......	6.95	......	......	1.77	5.03	......	......	1.37	......
1897.	3.79	6.55	9.62	6.89	3.71	4.95	7.83	5.22	0.66	1.33	3.85	6.07	60.47
1898.	8.48	1.76	4.59	4.78	2.49	3.40	5.24	5.10	3.75	5.65	3.50	2.40	51.14
1899.	6.72	6.61	10.39	6.10	6.35	3.35	6.31	2.52	3.43	......	1.63	5.48	......
1900.	2.91	9.08	3.90	3.13	1.39	9.86	4.96	1.08	3.00	1.97	10.27	2.64	54.19
1901.	2.82	2.07	4.31	6.77	4.06	6.81	3.21	15.55	4.27	1.36	1.71	5.85	58.79
1902.	5.36	1.70	7.92	3.02	1.63	6.26	1.49	4.22	5.43	2.78	7.60	6.34	53.75
1903.	2.95	8.17	6.91	5.97	4.05	5.03	3.16	3.21	0.68	3.05	4.51	4.12	51.81
1904.	3.52	1.66	5.42	2.64	5.65	3.83	2.59	1.66	0.69	0.99	2.71	4.92	36.28
1905.	3.66	3.39	5.43	2.51	5.18	6.50	6.46	5.87	4.36	6.56	3.45	5.45	58.82
1906.	4.79	1.99	6.36	2.00	4.88	5.21	7.04	1.96	7.84	4.65	4.10	6.28	57.10
1907.	3.34	4.93	3.57	3.00	6.94	4.46	6.76	4.32	4.29	3.28	5.36	3.64	53.89
1908.	4.34	4.89	5.61	6.62	5.65	2.27	7.09	4.93	2.56	0.60	3.78	3.79	52.13
Mns.	4.19	4.46	5.86	4.36	4.45	4.74	5.23	4.26	3.43	2.57	4.11	4.40	52.06

CELINA, CLAY COUNTY, TENN.—Elevation 560.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1903.	......	......	......	......	......	......	......	......	......	......	......	4.01	......
1904.	2.82	1.38	5.29	1.86	4.69	7.19	2.20	2.36	1.02	1.11	1.93	5.21	37.06
1905.	1.93	2.95	5.31	2.30	4.38	5.40	5.90	3.95	3.46	6.50	3.47	5.10	50.65
1906.	4.86	1.50	6.12	2.55	3.88	2.76	4.29	3.85	7.92	4.05	4.71	6.17	52.66
1907.	2.13	4.39	4.61	2.75	6.27	5.05	2.66	3.53	4.61	4.56	5.61	3.23	49.60
1908.	1.97	4.74	4.19	5.50	6.14	3.87	6.42	3.23	3.14	0.65	3.57	3.21	46.63
Mns	2.74	2.99	5.10	2.99	5.07	4.85	4.29	3.38	4.07	3.37	3.86	3.82	46.53

CLARKSVILLE, MONTGOMERY COUNTY, TENN.—Elevation 520 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1854.	5.28	1.75	9.50	1.37	7.01	2.89	2.37	1.26	2.23	5.70	2.39	1.29	43.04
1855.	4.67	1.53	3.85	2.60	3.78	3.92	3.57	4.56	7.30	1.40	4.66	2.26	44.10
1856.	1.38	2.90	1.64	4.18	6.30	1.23	1.86	3.95	0.72	2.43	6.24	6.68	39.51
1857.	1.99	2.76	0.56	2.71	6.00	4.23	4.61	5.08	0.26	3.02	6.59	5.64	43.45
1858.	4.21	3.18	4.00	6.56	4.59	6.55	4.12	1.69	2.11	2.59	2.60	11.48	53.68
1859.	2.57	8.23	4.07	5.18	2.46	3.46	0.93	4.65	2.12	1.07	5.65	5.19	45.58
1860.	6.14	5.27	2.20	2.85	......	3.52	1.45	2.25	2.89	2.71	5.69	2.71	......
1861.	2.21	2.70	2.15	5.44	5.84	2.49	7.03	7.85	3.23	2.09	5.08	1.94	48.05
1862.	5.13	8.23	4.77	8.01	2.46	4.97	5.75	1.20	2.49	0.67	2.67	3.20	49.55
1863.	8.58	6.46	5.03	3.27	2.74	8.86	2.24	1.76	2.00	6.04	2.60	4.79	54.37
1864.	2.43	1.13	3.91	3.57	1.88	2.98	1.76	6.21	2.06	3.90	7.63	3.87	41.33
1865.	2.38	3.97	7.98	11.33	3.39	2.67	5.14	4.92	6.19	1.03	1.22	9.76	59.98
1866.	4.36	4.14	5.08	4.40	2.11	2.84	4.93	0.67	5.60	2.24	4.72	3.71	44.80
1867.	1.61	8.99	8.28	4.90	4.55	2.53	4.05	1.30	0.45	1.98	5.94	4.25	48.83
1868.	5.03	1.31	5.52	7.60	3.22	1.91	4.41	3.02	3.80	1.55	2.02	5.37	44.76
1869.	2.86	3.14	5.07	5.28	2.46	4.39	2.13	1.00	2.54	2.74	3.40	4.13	39.14
1870.	8.38	3.03	3.46	2.65	3.76	8.11	5.97	4.27	3.34	2.15	0.94	3.07	49.13
1871.	4.83	6.51	9.78	4.76	4.33	4.01	2.57	2.41	2.55	2.09	1.55	2.54	47.93
1872.	1.33	2.40	2.47	5.68	1.71	2.64	7.90	1.33	2.23	2.68	1.72	1.80	33.89
1873.	3.92	6.50	3.40	5.18	4.84	9.00	2.08	2.24	1.84	6.42	3.37	4.70	53.49
1874.	3.42	5.87	10.19	8.39	0.77	0.54	2.32	2.47	1.80	2.70	5.91	4.64	49.02
1875.	6.43	2.76	7.34	2.11	5.44	7.16	5.56	2.40	2.45	1.56	7.48	4.12	54.81
1876.	5.20	2.19	6.28	3.04	3.14	6.04	......	......	......	......	......	......	......
1877.	......	......	6.27	5.84	1.69	4.53	1.58	4.45	3.28	1.56	4.82	2.55	......
1878.	0.79	2.45	2.37	6.93	5.58	5.60	6.55	6.40	2.13	3.62	4.51	9.50	56.43
1879.	6.47	3.62	3.34	3.80	2.70	4.36	2.55	3.65	......	3.20	3.20	8.30	......
1880.	2.35	10.92	7.39	5.65	......	......	......	......	......	......	4.25	3.35	......
1881.	3.59	3.56	2.74	......	......	......	......	......	......	......	......	......	......
1882.	......	......	......	**2.90**	**5.12**	2.91	3.33	4.58	**1.62**	**0.74**	......	......	......
1883.	......	......	......	4.70	2.68	3.91	3.17	2.99	1.56	2.91	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1888.	......	......	......	......	......	......	......	......	......	......	......	1.20	......
1889.	2.90	1.31	2.28	1.84	4.67	3.34	3.01	1.20	5.29	1.67	7.22	1.03	35.76
1890.	6.76	9.35	10.29	3.58	4.57	3.25	1.43	8.43	3.43	2.98	2.45	3.46	59.97
1891.	7.32	6.41	9.61	3.06	1.81	6.21	2.43	10.38	0.61	0.73	5.31	5.28	59.16
1892.	2.51	2.78	4.02	9.55	4.79	4.97	4.25	2.77	4.23	0.17	4.83	9.03	53.90
1893.	0.96	4.91	2.14	6.62	7.26	4.21	2.40	1.05	8.39	3.79	3.64	3.07	48.44
1894.	3.51	7.89	3.87	5.54	3.80	2.22	4.10	1.87	1.96	0.52	1.19	3.05	39.52
1895.	5.83	0.87	4.17	3.80	2.74	2.77	**7.88**	**3.00**	2.78	1.51	**4.68**	5.08	45.11
1896.	1.51	4.01	7.57	3.27	4.41	4.68	**8.00**	**1.75**	3.28	1.34	8.47	0.94	49.23
1897.	4.37	4.06	7.22	8.09	1.09	3.39	**4.00**	**2.00**	T.	1.57	3.06	3.69	42.54
1898.	10.41	0.69	8.31	3.86	4.67	4.49	6.00	2.60	4.02	6.21	4.48	3.98	59.72
1899.	7.90	5.86	7.75	4.24	5.83	1.05	......	......	......	2.07	1.50	4.99	......
1900.	4.36	6.46	2.29	3.49	2.42	10.77	6.58	0.53	1.93	3.99	10.16	2.67	55.65
1901.	2.99	2.28	3.76	3.77	6.36	2.76	0.25	5.50	4.60	1.31	1.45	5.63	40.66
1902.	7.30	1.98	5.66	5.97	7.09	2.95	1.70	2.50	4.73	1.07	4.76	9.45	55.16
1903.	2.56	7.40	5.25	2.18	5.28	4.68	2.75	1.42	0.24	1.25	3.34	4.14	40.49
1904.	3.69	2.32	5.53	2.30	2.55	3.42	4.17	3.05	1.72	0.40	1.49	6.51	37.15
1905.	3.55	2.41	3.28	2.14	6.25	4.19	4.63	3.03	3.78	2.61	3.59	3.58	43.04
1906.	2.62	1.17	6.96	2.19	3.75	2.64	8.09	3.07	8.55	1.50	9.99	7.24	57.77
1907.	4.25	5.48	3.30	3.33	7.07	3.48	4.05	5.37	2.14	2.57	4.58	4.02	49.64
1908.	2.44	6.03	4.14	7.45	4.20	4.80	5.19	2.02	1.70	T.	5.90	2.25	46.12
Mns.	4.22	4.24	5.12	4.63	4.07	4.14	3.93	3.26	2.94	2.30	4.32	4.49	47.66

DOVER, STEWART COUNTY, TENN.—Elevation 500 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1898.	11.16	1.26	7.56	3.84	3.94	4.02	7.38	2.54	4.11	2.67	2.88	4.00	55.36
1899.	7.46	4.72	6.95	3.28	......	3.02	3.78	2.86	0.78	1.81	2.16	4.54	......
1900.	......	......	......	......	......	......	......	......	2.67	4.51	9.83	3.06	......
1901.	2.95	2.36	4.30	3.60	3.60	......	0.84	6.00	2.65	2.23	1.28	......	......
1902.	......	......	......	......	......	......	0.77	....	......	......	5.87	7.54	......
1903.	2.17	......	......	....	......	2.24	2.27	......	......	1.96	5.52	3.20	......
1904.	4.06	3.22	5.55	2.60	2.77	3.86	2.51	2.35	4.02	0.46	1.28	6.69	39.37
1905.	3.30	2.30	3.85	2.46	10.47	6.02	2.77	3.66	3.45	3.29	3.20	4.68	49.45
1906.	2.08	1.05	6.68	2.53	1.98	2.64	4.43	3.81	7.56	2.27	13.11	6.31	54.45
1907.	4.46	6.15	2.87	3.68	4.51	2.66	3.31	4.13	2.59	4.41	3.99	4.22	46.98
1908.	2.40	5.05	3.87	6.14	3.74	5.65	2.29	2.45	0.97	0.15	6.88	1.67	41.26
Mns	4.40	3.26	5.20	3.52	4.44	3.76	3.04	3.48	3.20	2.38	5.09	4.59	46.36

CENTER POINT, CHESTER COUNTY, TENN.—Elevation 400 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1903.	3.08	3.87	4.16	2.55	8.57	2.99	3.13	2.19	0.75	1.21	3.30	4.69	40.49
1904.	2.44	2.19	3.88	2.72	5.74	5.57	2.70	3.38	1.15	0.80	1.46	9.30	41.33
1905.	7.39	4.26	3.42	2.78	5.84	7.80	1.18	5.92	1.21	7.82	1.47	3.69	52.78
1906.	3.68	1.29	5.11	2.97	3.43	2.36	5.93	1.28	6.57	2.72	12.26	5.18	51.78
1907.	3.23	3.41	4.57	5.81	6.52	3.06	3.61	2.05	0.90	2.22	4.53	4.31	44.22
1908.	2.02	7.73	4.20	6.56	2.17	4.02	1.62	5.08	1.03	T.	4.06	4.96	43.45
Mns	3.88	3.66	4.27	3.50	4.12	3.99	2.91	3.23	2.55	2.48	3.92	5.33	43.84

COVINGTON, TIPTON COUNTY, TENN.—Elevation 311 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1883.	......	......	6.01	......	5.34	4.05	3.34	......	1.20	3.04	2.60	......	......
1884.	......	......	3.38	5.86	4.66	2.06	2.29	1.39	2.09	2.39	1.39	4.56	......
1885.	6.60	1.66	1.46	1.96	1.49	4.78	2.15	1.99	1.64	1.01	1.97	2.48	29.19
1886.	2.76	4.73	3.68	3.35	5.18	7.59	1.64	5.78	3.44	0.69	8.58	2.19	49.61
1887.	4.61	6.88	4.35	2.53	2.04	2.99	2.73	1.96	1.99	1.36	3.80	4.55	39.19
1888.	4.76	3.04	5.37	1.71	2.57	2.75	1.56	9.86	1.48	4.06	3.95	3.50	44.61
1889.	5.07	1.65	4.62	1.35	2.09	8.18	5.43	2.25	5.69	1.15	7.43	0.67	45.58
1890.	8.58	10.72	6.31	7.47	5.51	6.98	3.33	4.33	6.71	3.04	6.49	4.15	73.62
1891.	6.73	5.40	8.36	2.46	1.31	5.98	6.03	1.86	0.66	1.35	6.62	7.32	54.08
1892.	2.76	3.54	3.70	8.82	7.24	3.54	8.46	4.42	0.62	1.13	7.55	12.96	64.74
1893.	0.91	6.16	2.37	5.80	10.83	2.58	2.56	0.34	6.95	2.72	4.41	3.07	48.70
1894.	4.08	12.17	9.49	6.67	5.75	1.96	5.27	1.92	2.24	0.30	0.70	3.60	54.17
1895.	......	......	......	......	2.51	2.33	7.90	1.03	0.25	0.93	7.52	4.02	......
1896.	2.91	1.88	5.17	......	3.19	3.06	2.76	2.14	4.01	......	....	......	......
1897.	......	......	......	......	0.72	1.57	2.85	0.16	0.00	0.40	3.77	6.26	......
1898.	11.72	2.35	3.57	3.96	5.48	2.14	2.09	4.75	3.86	0.98	......	......	......
1899.	...	......	......	......	3.04	1.27	1.61	1.57	0.58	1.99	1.32	......	......
1900.	1.69	5.28	1.95	4.33	1.90	10.95	0.93	0.46	4.22	4.41	......	......	......
1901.	......	......	......	4.15	2.27	2.01	1.47	7.94	3.16	1.57	0.94	4.24	......
1902.	7.83	2.43	6.58	1.45	4.25	7.38	0.64	6.68	1.75	2.52	3.97	6.40	51.88
1903.	4.27	7.72	4.73	1.90	8.06	2.36	4.09	3.55	0.66	1.42	3.10	4.68	46.54
1904.	3.80	0.85	6.50	6.36	4.18	5.20	5.89	1.23	1.53	0.55	1.15	8.00	45.24
1905.	4.32	3.25	3.72	3.76	6.23	4.27	4.37	5.27	1.12	6.61	3.40	5.35	51.67
1906.	5.15	1.42	5.61	2.17	2.58	3.50	2.80	5.32	10.15	4.75	13.15	6.00	62.60
1907.	3.40	.....	.....	6.00	8.83	2.05	2.52	2.43	2.40	3.60	4.60	4.25	......
1908.	1.95	3.95	5.45	6.50	2.30	4.98	1.85	5.45	0.63	T.	6.05	1.55	40.66
Mns	4.77	4.29	4.87	4.22	4.21	4.10	3.33	3.36	2.66	2.08	4.54	4.76	47.19

DYERSBURG, DYER COUNTY, TENN.—Elevation 310 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1883.	.....	......	......	.....	3.26	4.76	6.45	4.00	0.63	5.22	1.99	2.48	.....
1884.	2.60	8.69	3.48	3.94	4.06	4.09	6.12	2.41	3.27	2.02	2.13	8.85	51.66
1885.	5.59	1.55	1.67	6.15	3.25	6.98	4.59	1.04	2.94	1.74	.....	.....	......
1886.	......	......	.....	.....	5.41	5.06	1.76	3.31	2.51	0.92	......	......	......
1887.	......	....	.....	......	2.06	2.44	2.92	2.70	4.59	0.68	.....	......	......
1888.	...	......	......	1.60	3.77	3.08	1.38	11.75	0.92	2.72	......	.....	.....
1889.	......	......	......	......	2.36	8.16	5.92	1.42	6.64	0.94	8.71	0.60	......
1890.	7.07	8.05	5.28	5.04	3.96	2.06	2.13	3.84	5.54	2.68	4.47	......	.....
1891.	.....	......	.....	.....	1.59	9.13	4.03	1.42	1.69	1.61	11.45	5.05	......
1892.	1.68	3.44	2.67	10.45	6.62	4.18	5.68	4.12	0.94	0.33	4.87	.....	.....
1893.	......	.....	......	......	7.63	1.84	2.17	0.07	6.64	2.74	4.36	.....	......
1894.	......	....	.....	......	3.73	0.76	5.62	2.56	1.50	0.27	0.00	......	......
1995.	......	......	....	.....	2.78	0.73	4.77	1.99	1.06	1.01	7.66	3.76	......
1896.	3.16	1.93	6.07	4.03	4.92	5.29	3.57	1.75	3.54	2.53	5.66	....	......
1897.	......	3.13	10.75	6.43	1.32	2.54	2.11	0.63	0.00	0.75	3.67	......	......
1898.	13.93	1.88	3.49	4.91	4.42	3.34	3.49	3.44	4.35	4.02	.....	......	......
1899.	....	......	......	......	4.48	2.90	3.58	3.00	1.10	2.47	3.23	......	....
1900.	....	......	......	......	2.12	11.19	4.04	0.87	7.33	7.49	......	......	......
1901.	......	......	.....	7.37	3.60	0.21	1.15	4.40	2.72	3.55	......	......	......
1902.	......	......	......	......	2.06	3.97	0.25	4.92	1.74	2.70	......	......	....
1903.	......	.....	......	.....	2.50	0.58	1.41	0.48	0.53	0.72	......	......	......
1904.	......	2.32	5.70	3.75	3.36	2.73	4.03	2.38	4.96	1.00	0.59	5.75	......
1905.	1.92	1.66	3.17	3.50	9.84	6.21	4.20	4.81	1.60	5.35	3.45	4.75	50.46
1906.	5.40	1.62	8.08	2.77	4.11	2.47	4.88	5.79	6.21	1.76	12.63	8.08	63.80
1907.	5.90	5.08	3.13	7.54	10.43	3.58	2.69	2.69	1.80	4.20	5.00	3.36	55.40
1908.	1.70	7.60	4.05	6.40	3.59	5.75	1.54	5.35	1.32	T.	7.30	1.45	46.65
Mns	4.94	3.91	4.80	5.28	4.12	4.00	3.48	3.12	2.93	2.29	5.13	4.41	48.41

FLORENCE, RUTHERFORD COUNTY, TENN.—Elevation 560 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1882.	......	7.62	6.77	2.83	5.00	1.88	4.80	4.28	1.22	1.03	1.97	1.53	......
1883.	4.50	7.48	3.36	5.94	3.41	7.08	2.58	4.82	1.30	6.82	3.11	4.54	54.92
1884.	7.37	8.40	6.86	3.05	3.39	6.17	2.91	1.47	3.45	3.02	1.49	3.79	51.37
1885.	5.33	2.39	3.21	2.40	3.76	2.70	4.68	1.22	3.05	3.36	4.27	2.90	39.27
1886.	4.50	3.44	5.75	2.39	3.76	7.27	2.74	2.64	3.46	0.31	5.87	3.25	45.38
1887.	5.02	7.98	5.41	1.78	1.60	2.20	4.45	3.35	4.72	2.49	1.40	5.80	46.20
1888.	2.88	3.51	6.70	3.99	3.31	5.26	3.26	8.97	3.09	3.04	4.41	1.59	50.01
1889.	4.60	3.46	4.17	3.01	3.05	4.64	6.48	2.83	4.54	1.58	7.16	1.50	47.02
1890.	3.35	10.96	7.48	3.37	4.25	4.49	1.32	6.28	7.18	3.59	1.14	4.09	57.50
1891.	7.78	7.36	9.28	4.21	1.10	2.55	2.34	2.77	0.36	0.81	5.45	4.87	48.88
1892.	3.31	3.28	4.03	8.62	4.15	3.06	4.38	2.32	2.27	0.26	4.77	4.89	45.34
1893.	1.45	3.76	2.61	3.75	10.03	4.30	1.86	2.75	4.46	2.71	1.83	4.30	43.81
1894.	5.04	8.86	3.94	3.42	5.13	2.34	3.01	1.93	3.10	0.61	2.23	4.62	44.23
1895.	6.38	0.81	5.26	6.12	1.34	1.97	5.02	3.13	2.19	1.78	2.02	5.38	41.40
1896.	1.38	5.31	7.88	5.28	3.75	3.42	9.96	2.05	3.89	1.30	8.73	1.72	54.67
1897.	3.43	5.12	10.53	7.89	1.57	1.49	6.66	1.61	0.89	1.04	3.62	6.09	49.94
1898.	8.82	0.80	4.92	4.59	2.25	1.91	8.66	4.53	3.76	3.66	3.27	2.56	49.73
1899.	5.84	8.48	6.82	4.98	5.47	1.32	5.53	4.05	1.40	2.11	1.03	5.02	52.05
1900.	2.83	3.28	3.44	4.45	1.32	10.88	4.69	1.70	3.07	3.68	5.95	2.05	47.34
1901.	3.50	1.13	2.50	5.27	4.33	1.38	1.21	9.33	2.93	0.61	1.19	4.63	38.01
1902.	4.71	2.60	9.53	3.17	4.81	2.16	0.19	2.14	7.11	2.00	5.63	5.53	49.58
1903.	3.69	7.01	5.17	4.40	6.57	4.65	2.93	4.35	0.30	0.91	4.68	4.12	48.78
1904.	2.85	0.98	6.37	2.91	3.55	3.03	6.74	2.52	2.58	2.18	2.69	5.52	41.92
1905.	3.87	3.20	4.40	3.55	4.29	6.75	3.82	4.12	5.40	7.03	1.80	5.12	53.35
1906.	5.27	1.01	5.93	2.80	2.95	1.29	5.96	4.19	8.41	4.18	5.33	4.63	51.95
1907.	2.95	3.15	4.96	3.14	5.90	5.44	4.50	3.51	3.49	2.11	4.63	2.78	46.56
1908.	4.00	4.80	4.06	4.41	5.01	2.29	4.61	3.72	7.70	0.37	3.35	3.41	47.73
Mns.	4.41	4.67	5.61	4.14	3.89	3.77	4.27	3.58	3.53	2.31	3.67	3.93	47.78

ERASMUS, CUMBERLAND COUNTY, TENN.—Elevation 1,850 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1897.	......	5.73	12.27	7.96	4.43	3.28	10.64	3.57	0.51	2.67	3.02	6.59	64.42
1898.	8.48	1.56	5.20	5.76	2.10	4.89	4.72	3.84	3.48	5.50	4.13	2.48	52.14
1899.	6.40	6.91	8.56	5.92	6.72	5.34	6.94	3.02	1.57	4.02	1.87	7.43	64.70
1900.	3.23	6.75	4.53	5.94	1.29	8.78	4.83	2.33	2.71	3.96	6.10	2.95	53.40
1901.	5.29	1.76	4.52	8.55	5.60	2.45	4.31	12.73	4.72	1.28	......	8.61	......
1902.	6.15	3.82	9.83	2.45	3.87	8.23	2.91	3.09	4.74	3.89	5.60	5.33	59.91
1903.	3.32	12.43	6.38	7.29	5.14	4.18	3.62	5.87	0.22	3.13	4.61	3.81	60.00
1904.	3.52	2.68	9.51	3.86	5.17	2.56	2.60	4.36	2.71	0.34	4.66	7.10	49.07
1905.	......	......	5.44	3.07	6.39	5.02	6.47	6.97	1.52	7.31	1.91	6.43	......
1906.	4.12	1.57	6.28	3.36	3.28	5.00	12.09	4.32	8.22	5.50	3.50	5.81	63.05
1907.	3.12	4.83	6.61	6.20	4.40	5.06	4.32	4.53	7.57	3.54	5.00	4.03	59.21
1908.	5.48	5.15	4.10	4.47	5.59	4.41	3.42	5.80	3.08	1.65	2.68	7.24	53.07
Mns.	4.91	4.83	6.94	5.40	4.50	4.93	5.59	5.04	3.42	3.57	3.92	5.65	58.70

FRANKLIN, WILLIAMSON COUNTY, TENN.—Elevation 655 feet.

1883.	......	......	......	......	5.12	4.31	3.88	4.51	2.52	4.69	2.86	4.64	......
1884.	7.04	8.51	5.46	3.85	3.49	4.64	2.83	2.02	3.34	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1890.	......	......	......	......	......	......	......	......	5.15	3.44	1.87	4.32	......
1891.	7.33	6.78	10.03	3.32	0.82	4.91	3.42	2.35	2.22	0.90	6.45	4.05	52.58
1892.	3.25	3.44	4.32	9.32	5.41	4.22	5.11	2.64	3.20	0.39	5.67	6.23	53.20
1893.	1.50	5.07	2.58	4.99	7.63	3.06	1.10	3.30	6.73	2.62	2.51	3.46	44.55
1894.	4.76	9.92	4.29	3.64	4.76	......	......	4.50	1.47	0.51	1.69	4.29	......
1895.	6.55	1.07	6.20	5.53	3.11	0.90	......	......	2.87	1.97	2.47	5.42	......
1896.	3.16	4.09	7.18	4.75	3.73	......	......	......	......	......	......	......	......
1897.	3.27	5.40	11.36	7.85	1.06	2.05	5.02	5.68	0.84	0.78	3.36	4.60	51.27
1898.	7.74	0.63	4.88	3.95	2.54	3.58	6.19	4.65	3.88	3.73	3.63	2.84	48.24
1899.	5.49	6.57	7.31	3.99	2.66	1.00	6.33	0.83	0.81	2.19	1.21	4.97	43.36
1900.	2.68	3.78	2.75	5.20	1.24	11.94	4.05	1.40	2.13	4.73	8.52	3.26	51.68
1901.	3.47	1.21	1.91	5.24	3.31	1.46	1.21	9.80	4.62	0.84	1.10	5.07	39.24
1902.	4.90	2.86	9.89	2.76	3.38	1.54	0.55	2.10	9.26	3.18	4.81	7.53	52.76
1903.	2.53	7.51	5.22	4.66	5.46	4.72	4.23	2.90	0.15	1.73	4.81	3.75	47.67
1904.	4.13	1.52	5.46	5.53	5.11	3.78	4.46	2.25	1.43	0.50	2.62	6.71	43.50
1905.	3.67	3.10	5.14	2.74	4.18	8.37	4.21	4.56	4.22	5.80	1.65	4.23	51.87
1906.	4.38	0.93	5.94	5.47	3.08	2.13	4.33	1.93	10.02	3.89	5.86	5.87	53.83
1907.	2.39	4.14	4.38	4.32	8.02	3.75	2.89	2.08	3.27	1.49	5.93	3.29	45.95
1908.	4.70	4.77	5.76	6.24	3.49	5.43	2.21	3.83	1.51	0.51	2.97	2.49	43.91
Mns	4.37	4.28	5.79	4.89	3.88	3.93	3.65	3.46	3.48	2.31	3.68	4.42	48.14

HOHENWALD, LEWIS COUNTY, TENN.—Elevation 983 feet.

1883.	......	......	......	......	5.59	4.71	5.22	......	......	......	......	......	......
1884.	......	......	6.63	5.66	......	5.33	6.83	0.53	1.50	2.98	1.49	......	......
1885.	6.18	2.52	......	2.22	2.74	5.14	3.58	2.25	4.81	......	3.90	3.09	......
1886.	6.71	4.80	3.95	3.04	3.30	10.34	2.90	4.23	......	0.71	5.50	5.93	......
1887.	5.04	8.21	3.80	2.37	5.06	4.43	2.79	3.19	2.80	2.77	1.75	5.61	47.82
1888.	3.09	2.69	7.85	2.87	2.21	3.90	2.48	10.87	4.10	3.98	5.03	1.44	50.51
1889.	4.22	2.67	3.74	2.15	4.37	6.69	8.53	5.65	6.25	1.14	8.68	1.09	55.18
1890.	8.89	11.43	8.87	4.03	4.82	3.07	1.54	5.09	7.75	3.31	2.05	4.50	65.35
1891.	7.20	6.92	12.42	3.53	0.44	6.59	5.16	3.67	0.72	1.00	5.66	4.60	58.91
1892.	3.38	5.52	2.73	10.34	5.66	6.27	6.76	4.19	3.43	0.21	4.97	9.27	62.73
1893.	1.07	6.53	3.03	8.66	9.55	1.72	2.80	0.99	5.96	2.66	2.99	3.99	49.95
1894.	5.58	10.10	4.12	5.49	2.91	4.76	5.25	3.67	1.64	0.58	1.97	5.27	51.34
1895.	6.03	1.07	6.86	2.32	2.58	1.46	7.33	2.81	0.85	1.77	2.47	5.08	40.63
1896.	2.99	6.08	7.17	3.83	4.78	4.97	7.82	2.17	2.49	1.51	6.41	2.14	52.36
1897.	3.73	5.00	16.43	6.22	2.08	2.69	4.20	2.34	T.	1.10	5.03	7.13	55.95
1898.	10.35	1.29	5.29	5.00	4.04	2.90	6.08	3.16	2.36	4.06	4.31	3.10	51.94
1899.	5.90	6.88	9.15	3.64	2.13	1.47	3.81	4.48	0.91	2.42	2.28	6.87	49.94
1900.	2.61	4.57	5.35	7.88	3.04	17.93	5.82	2.27	2.52	5.18	8.03	2.61	67.81
1901.	4.80	2.21	2.66	4.87	1.89	3.28	1.50	10.74	4.24	1.07	1.90	7.00	46.16
1902.	6.62	3.00	10.59	3.56	3.88	4.40	1.59	3.82	6.98	1.53	5.04	9.49	60.50
1903.	3.91	7.22	5.14	3.58	5.22	5.87	2.88	1.97	0.58	1.92	3.27	5.27	46.83
1904.	4.94	2.02	6.85	4.30	5.12	3.08	3.24	1.32	1.84	1.46	2.54	7.80	44.51
1905.	4.73	4.24	5.37	2.25	5.94	9.47	6.83	4.84	1.95	5.64	1.64	5.77	58.67
1906.	2.93	1.18	6.44	3.42	2.68	1.42	10.05	5.22	7.47	4.30	7.86	7.25	60.22
1907.	3.12	4.17	5.88	4.93	7.63	4.78	2.79	4.01	1.21	1.77	4.46	4.70	49.45
1908.	4.76	7.18	6.36	7.51	5.32	5.70	2.89	5.90	4.12	0.28	4.28	3.44	57.74
Mns	4.95	4.90	6.53	4.55	4.12	5.09	4.64	3.98	3.18	2.22	4.14	5.10	53.40

JOHNSONVILLE, HUMPHREYS COUNTY, TENN.—Elevation 364 feet.

1883.	......	8.04	2.04	10.70	5.04	3.03	5.08	3.07	2.00	5.04	3.03	3.00	......
1884.	4.14	8.10	8.30	4.05	1.09	2.36	5.08	......	......	......	......	......	......
1885.	......	......	......	......	......	......	......	......	......	4.19	0.90	2.05	......
1886.	2.20	3.80	1.11	4.22	6.90	7.45	2.30	2.78	5.16	0.89	9.97	4.44	51.22
1887.	7.47	9.02	4.44	0.53	1.18	1.48	3.25	3.79	3.43	3.13	1.35	6.68	45.75
1888.	4.79	1.62	5.30	2.36	2.90	4.56	1.26	6.02	3.04	2.29	2.86	0.95	37.95
1889.	3.02	2.05	2.44	3.19	1.46	3.51	3.55	3.03	8.34	0.63	8.12	0.05	39.39
1890.	8.36	5.85	4.15	3.51	2.52	1.31	0.06	6.18	6.97	1.97	2.33	6.30	49.51
1891.	9.08	7.39	9.05	6.14	0.70	4.46	1.53	1.57	1.71	0.39	5.04	2.89	49.95
1892.	1.92	3.50	3.82	12.29	4.33	3.22	10.12	7.57	3.95	0.15	10.15	9.79	70.81
1893.	1.18	9.40	3.08	8.10	6.84	7.41	0.26	0.87	3.95	2.90	2.60	2.44	49.03
1894.	3.36	6.09	3.80	4.23	3.34	1.66	3.31	2.15	2.81	0.37	1.07	3.23	35.42
1895.	5.89	0.92	5.40	2.50	1.93	3.08	7.92	0.99	1.75	1.16	3.45	4.41	39.40
1896.	2.26	4.01	6.48	3.02	4.66	4.93	7.78	2.91	2.54	1.46	8.42	1.46	49.93
1897.	3.71	2.96	7.25	5.69	0.77	3.81	3.54	3.38	0.00	1.75	3.43	3.65	39.94
1898.	11.80	0.98	4.90	2.63	6.45	6.12	2.29	1.92	2.35	2.33	4.67	3.27	49.71
1899.	6.49	4.44	6.02	2.90	4.19	1.50	5.70	2.94	1.39	2.38	1.84	4.99	44.78
1900.	1.83	5.59	2.12	5.67	3.42	12.16	7.59	0.73	2.04	8.06	9.24	2.63	61.08
1901.	3.64	1.86	2.89	3.01	3.00	1.22	2.62	10.74	4.39	1.61	1.42	5.17	41.57
1902.	5.61	2.46	5.91	4.21	2.43	4.24	2.27	2.34	3.80	1.68	4.51	9.96	49.42
1903.	2.49	5.97	6.51	4.78	7.08	4.69	2.89	1.40	0.25	1.32	3.12	4.82	45.32
1904.	3.86	1.32	5.64	4.20	3.51	2.68	2.37	2.65	3.12	0.98	1.46	7.36	39.15
1905.	3.50	2.40	3.02	2.55	6.88	6.37	4.46	3.31	3.36	4.86	4.40	3.68	48.79
1906.	3.13	0.95	4.56	3.73	1.74	1.98	4.70	4.99	5.58	3.25	11.90	5.63	52.14
1907.	2.99	4.41	3.70	4.00	8.23	3.13	1.97	2.11	2.93	2.75	4.62	3.86	44.70
1908.	3.02	5.22	3.41	5.67	2.74	7.19	3.71	5.44	2.12	0.02	5.12	2.99	46.65
Mns	4.41	4.33	4.61	4.56	3.70	4.14	3.82	3.46	3.21	2.22	4.60	4.23	47.29

IRON CITY, LAWRENCE COUNTY, TENN.—Elevation 600 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1895.	......	......	......	......	......	......	......	......	......	......	......	6.40	......
1896.	2.82	9.75	8.20	6.11	1.37	8.45	2.16	1.07	3.13	2.28	7.44	2.68	55.46
1897.	4.19	3.66	18.14	6.61	2.75	1.45	3.14	4.02	0.00	1.25	4.47	10.97	60.65
1898.	10.85	......	6.11	4.95	2.94	......	......	......	......	4.01	3.3:	1.52	......
1899.	3.68	2.66	7.29	......	......	......	......	......	......	1.30	3.36	12.03	......
1900.	4.98	4.85	5.75	10.43	4.84	13.06	4.24	3.89	4.10	4.76	3.61	3.27	67.78
1901.	5.11	3.10	2.10	4.28	1.59	3.91	1.98	12.16	4.65	1.22	1.77	5.70	47.57
1902.	5.94	2.17	11.24	2.31	1.77	2.12	4.06	3.78	5.14	1.86	5.76	7.71	53.86
1903.	5.52	9.69	5.66	3.39	6.99	4.74	2.45	5.26	1.74	0.76	3.97	4.94	55.11
1904.	2.81	1.96	7.53	3.21	4.45	1.79	3.13	1.34	1.35	0.64	3.49	6.95	38.65
1905.	5.61	6.34	4.42	3.31	6.88	10.33	2.97	4.03	3.08	6.69	0.85	4.53	59.04
1906.	5.95	1.21	6.28	3.52	2.28	2.04	7.63	2.05	6.70	3.47	3.52	5.35	50.00
1907.	3.20	4.70	4.12	4.73	7.00	2.64	6.02	2.02	7.99	1.20	5.65	4.88	54.15
1908.	4.63	5.47	5.01	6.71	7.32	6.26	4.86	3.40	5.27	0.43	1.67	5.57	56.60
Mns	5.02	4.63	7.06	4.96	4.18	5.16	3.88	3.91	3.92	2.30	3.76	5.89	54.67

Note.—Record for St. Joseph (5 miles northeast from Iron City) from December 1895 to March 1899.

JACKSON, MADISON COUNTY, TENN.—Elevation 450 feet.

1872.	......	......	6.42	12.86	5.05	10.61	12.37	3.31	4.37	6.00	6.25	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1877.	6.45	1.90	4.60	9.60	1.60	12.10	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1891.	......	......	......	......	0.50	5.54	4.79	......	1.03	0.40	6.50	6.60	......
1892.	2.15	3.22	1.54	7.65	4.78	3.33	10.33	4.65	1.80	0.10	5.85	11.91	57.31
1893.	0.76	4.49	0.75	7.35	8.10	2.50	2.17	T.	4.30	1.50	3.75	2.25	37.92
1894.	3.35	6.95	5.70	4.50	4.82	0.70	2.50	4.07	0.90	T.	0.55	3.75	37.79
1895.	4.45	0.90	6.46	3.38	1.90	2.43	5.74	5.37	1.09	1.20	4.14	3.20	40.26
1896.	4.42	2.05	4.74	5.41	4.36	4.58	7.55	0.95	2.78	1.95	6.19	1.45	46.43
1897.	4.20	3.42	11.75	6.62	1.18	2.05	1.72	0.92	0.00	1.15	3.10	6.12	42.23
1898.	11.10	2.40	4.65	3.33	4.99	3.19	3.88	3.00	4.45	3.03	3.17	3.35	50.54
1899.	6.19	......	6.25	3.10	3.85	2.41	2.60	......	0.75	2.80	2.25	2.45	......
1900.	......	2.70	2.05	3.45	4.75	13.90	......	......	......	6.80	......	......	......
1901.	2.60	1.75	3.50	1.20	......	3.95	......	......	......	......	......	......	......
1902.	......	......	......	......	......	......	......	......	......	......	4.06	9.06	......
1903.	3.45	5.38	3.47	1.56	7.00	1.65	3.03	1.65	0.74	1.64	4.63	4.53	38.73
1904.	3.89	1.30	5.51	4.43	3.29	3.18	4.77	1.98	1.85	0.62	0.95	6.40	38.17
1905.	3.48	......	4.65	3.43	5.65	12.09	3.42	3.59	2.57	7.13	1.65	3.90	......
1906.	3.65	1.07	5.56	1.39	2.48	1.53	10.59	3.10	7.65	2.84	11.28	6.39	57.53
1907.	2.69	4.32	3.72	4.94	7.63	1.96	2.55	1.53	2.92	3.76	3.58	4.37	43.97
1908.	3.56	5.09	5.79	7.91	1.86	4.63	1.27	5.06	0.35	0.00	4.53	2.24	42.29
Mns	4.15	3.23	4.84	5.12	4.10	4.86	4.96	2.80	2.45	2.41	4.26	4.87	48.05

KENTON, OBION COUNTY, TENN.—Elevation 360 feet.

1902.	......	......	......	2.58	2.57	2.58	T.	4.76	3.20	3.51	4.79	10.53	......
1903.	2.69	8.34	5.45	3.32	4.67	1.87	3.00	1.44	0.75	0.77	3.29	4.71	40.30
1904.	4.72	2.53	5.06	4.03	2.32	2.74	3.10	2.15	2.92	0.94	0.70	7.43	38.64
1905.	3.00	2.17	3.33	4.56	4.34	4.28	8.26	3.32	2.45	4.38	3.23	4.48	47.80
1906.	5.15	1.39	7.53	2.48	3.52	1.99	4.73	4.25	5.20	1.78	13.09	7.81	58.92
1907.	5.41	5.68	4.46	6.25	10.19	4.87	6.32	2.65	1.85	3.87	4.15	3.67	59.37
1908.	2.71	4.89	4.24	8.25	4.37	7.31	1.73	3.34	0.41	T.	8.12	1.65	47.02
Mns	3.95	4.17	5.01	4.50	4.57	3.66	3.88	3.13	2.40	2.18	5.34	5.75	48.54

LAFAYETTE, MACON COUNTY, TENN.—Elevation 1,000 feet.

1898.	11.11	1.25	7.99	4.59	2.38	4.42	5.16	6.10	4.05	7.32	5.08	1.75	61.20
1899.	8.30	4.08	11.75	4.77	4.07	1.27	7.58	4.60	0.66	1.18	1.65	4.71	54.62
1900.	......	4.47	4.09	4.60	1.09	10.19	4.40	3.03	6.98	1.75	9.00	1.10	......
1901.	4.00	2.09	4.65	6.45	2.25	1.73	1.00	......	3.80	0.60	1.30	5.95	......
1902.	7.30	2.00	7.18	2.44	1.21	2.20	1.45	2.35	5.90	......	......	......	......
1903.	......	......	......	......	......	......	3.95	......	......	3.12	4.31	4.44	......
1904.	3.29	1.32	6.89	2.62	3.21	6.35	3.48	2.24	1.31	0.80	2.02	5.00	38.53
1905.	2.44	3.05	4.85	1.86	4.38	4.40	3.87	5.38	2.63	4.87	3.65	3.81	45.19
1906.	4.82	1.83	7.50	4.88	3.04	3.10	5.15	4.23	12.97	2.47	4.99	5.91	60.89
1907.	3.18	5.07	3.99	2.70	7.23	5.56	3.46	2.25	3.31	3.79	......	4.09	......
1908.	2.94	6.57	5.47	6.67	7.88	3.26	5.26	3.55	1.99	0.52	3.58	2.59	50.28
Mns	5.26	3.17	6.44	4.16	3.67	4.25	4.07	3.95	4.36	2.04	3.95	3.93	49.85

LYNNVILLE, GILES COUNTY, TENN.—Elevation 770 feet.

1883.	......	......	......	......	2.51	6.08	3.64	......	1.82	3.92	4.80	3.60	......
1884.	7.42	7.83	......	......	......	......	......	......	......	......	......	4.78	......
1885.	......	......	1.75	3.52	6.07	6.07	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1889.	......	......	......	......	......	......	......	2.22	5.36	1.63	7.66	3.22	......
1890.	7.76	7.45	6.94	2.73	3.70	3.91	4.03	4.33	4.18	3.70	1.10	4.56	54.39
1891.	7.58	7.98	8.78	4.38	0.59	6.17	8.81	0.80	0.90	0.71	7.27	4.92	58.89
1892.	2.30	4.84	5.12	13.75	8.64	4.36	6.12	2.07	3.81	0.31	4.26	6.72	62.30
1893.	0.65	8.27	2.78	3.75	14.69	2.96	2.41	1.82	7.48	1.54	2.32	4.17	52.84
1894.	7.12	8.90	4.59	3.99	2.38	2.57	6.63	6.13	3.15	0.51	1.74	5.87	53.58
1895.	7.10	1.22	7.36	4.00	6.32	1.62	6.05	8.20	7.48	2.84	1.80	5.46	59.45
1896	1.95	8.61	9.73	3.63	2.46	3.30	7.18	2.22	4.68	1.16	6.67	1.50	53.09
1897.	2.71	4.26	14.27	6.66	3.16	1.57	7.35	3.47	0.10	1.03	4.41	7.63	56.62
1898.	9.91	1.48	4.13	5.43	1.20	3.17	8.25	3.83	3.93	3.69	3.06	3.00	51.08
1899.	6.03	8.11	6.45	4.94	1.42	1.28	5.45	4.09	0.53	4.27	2.20	6.93	51.70
1900.	3.45	4.17	2.72	5.94	3.09	11.91	5.47	3.59	2.22	6.90	3.35	1.81	54.62
1901.	4.71	2.18	3.16	4.86	2.26	3.68	2.11	11.64	5.32	1.52	0.11	4.31	45.86
1902.	5.15	2.25	11.88	2.22	2.25	1.91	3.56	5.40	3.65	1.87	3.69	5.28	49.11
1903.	4.20	8.41	4.26	3.77	6.12	4.41	4.09	2.36	1.10	1.39	4.57	4.27	48.95
1904.	2.95	1.21	7.10	2.23	4.27	6.39	3.43	2.77	2.56	1.13	2.50	4.07	40.61
1905.	3.05	5.16	4.19	2.75	7.41	8.18	2.41	4.90	3.46	8.40	0.83	6.10	56.84
1906.	4.82	1.27	7.90	1.64	4.17	3.22	7.28	4.72	10.44	3.37	2.96	5.99	57.75
1907.	2.20	3.17	4.49	4.66	3.97	3.31	5.35	4.51	5.74	2.19	5.39	4.20	49.21
1908.	4.68	6.13	4.95	7.84	5.90	4.99	2.10	3.89	4.18	0.50	2.23	3.00	50.39
Mns.	4.79	5.14	6.13	4.63	4.41	4.34	5.09	4.15	3.91	2.50	3.47	4.61	53.17

LEWISBURG, MARSHALL COUNTY, TENN.—Elevation 727 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1888.	......	3.27	......	......	......	4.52	1.86	7.72	2.41	2.56	......	2.18	......
1889.	4.82	......	......	......	2.48	3.01	8.50	5.86	3.86	......	6.59	1.13	......
1890.	5.11	8.42	7.86	4.03	3.95	4.16	3.20	3.20	5.51	2.78	0.90	3.90	53.02
1891.	7.92	7.69	8.47	4.97	1.32	......	4.30	3.34	0.38	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1898.	......	......	......	4.75	0.92	1.92	7.09	4.35	3.93	......	3.03	......	......
1899.	6.00	6.36	6.40	4.67	2.50	0.72	4.44	2.96	0.64	3.25	2.04	6.64	46.62
1900.	3.36	4.39	3.56	4.66	2.22	13.46	4.72	2.31	2.20	6.41	4.15	2.13	53.57
1901.	4.44	1.94	3.03	5.73	1.70	1.56	3.58	9.94	5.07	1.14	1.30	5.54	44.97
1902.	5.70	3.32	12.50	2.94	2.01	1.60	1.87	6.21	4.01	1.90	5.04	5.22	52.32
1903.	3.96	7.73	4.02	4.42	5.68	3.58	7.08	2.90	1.17	1.53	4.88	4.12	51.07
1904.	2.62	1.48	7.57	2.73	3.09	2.65	2.50	1.24	3.38	1.72	2.97	5.47	37.42
1905.	4.21	4.48	5.18	3.04	7.69	8.57	3.51	7.54	4.72	6.84	0.99	6.04	62.81
1906.	5.56	1.18	7.26	2.07	3.17	2.61	9.30	4.24	8.87	3.39	3.10	6.35	57.10
1907.	1.93	3.49	5.01	3.11	5.83	2.44	8.02	4.12	6.79	1.47	5.04	4.27	51.52
1908.	4.57	5.54	5.41	4.22	7.27	3.66	2.54	6.35	3.11	0.83	2.48	4.39	50.37
Mns	4.63	4.56	6.36	3.95	3.56	3.88	4.83	4.82	3.74	2.84	3.27	4.41	50.85

McMINNVILLE, WARREN COUNTY, TENN.—Elevation 1,011 feet.

1872.	......	......	......	......	......	......	......	4.56	3.41	1.80	4.55	5.26	......
1873.	2.87	8.67	4.75	1.85	5.82	8.88	2.89	3.22	2.30	4.50	5.49	5.18	56.42
1874.	3.45	2.55	6.11	14.01	1.95	3.85	3.85	9.58	4.67	1.65	4.55	3.16	59.38
1875.	7.42	7.17	9.77	7.40	2.43	5.65	4.27	3.92	8.57	2.25	4.10	6.60	69.55
1876.	6.25	3.55	4.75	2.75	......	6.00	8.30	3.00	3.00	2.00	4.20	4.50	......
1877.	4.95	0.60	4.33	8.50	1.60	9.22	4.95	4.47	5.50	3.10	5.10	1.30	53.62
1878.	2.25	2.26	1.80	6.95	2.38	3.70	2.95	4.80	1.05	3.50	4.35	4.45	40.44
1879.	6.42	4.00	2.27	2.30	2.35	3.48	3.30	3.40	2.40	2.45	3.50	8.47	44.34
1880.	2.30	7.05	7.40	7.50	4.10	2.53	5.33	2.75	2.50	2.00	4.20	5.05	52.71
1881.	3.45	1.21	2.55	3.50	......	......	......	......	......	......	......	......	......
1882.	......	......	......	......	......	......	......	......	......	......	......	......	......
1883.	......	......	......	......	0.81	1.29	3.85	2.99	3.68	4.36	3.20	......	......
1884.	14.00	......	......	......	......	......	......	......	......	2.75	1.95	5.25	......
1885.	6.40	......	......	......	......	......	......	1.90	1.13	3.67	......	1.75	......
1886.	2.40	......	......	......	......	......	......	......	......	......	......	......	......
1887.	......	......	......	......	......	......	......	......	......	......	......	......	......
1888.	......	......	......	......	......	......	......	......	......	......	......	......	......
1889.	......	......	......	2.86	2.86	4.62	5.23	3.74	4.49	1.86	4.09	......	......
1890.	......	......	......	......	......	......	......	......	......	......	......	......	......
1891.	7.20	8.40	7.16	3.79	1.19	4.44	4.76	3.87	0.74	1.15	2.68	4.25	49.63
1892.	3.66	3.07	3.26	10.05	5.98	3.20	5.36	3.28	......	......	......	......	......
1893.	......	......	......	......	......	......	......	......	......	......	......	......	......
1894.	......	......	......	......	......	......	......	......	......	......	1.13	4.26	......
1895.	4.43	1.60	5.37	6.15	5.65	2.30	6.73	2.30	2.65	1.65	2.85	4.27	45.95
1896.	4.22	7.61	10.48	4.67	5.24	8.85	8.45	1.18	3.48	2.58	8.41	2.75	67.92
1897.	4.35	6.03	16.90	5.90	5.60	3.90	9.10	3.05	0.20	2.00	3.05	5.20	65.28
1898.	10.65	0.47	4.70	5.66	4.05	5.45	6.60	4.90	3.85	3.88	3.25	1.25	54.71
1899.	7.46	5.22	8.35	......	......	......	......	3.23	0.85	3.15	2.70	6.05	......
1900.	3.10	2.88	3.28	4.85	1.10	8.14	5.95	0.90	2.40	1.80	4.51	3.05	41.96
1901.	5.30	2.02	3.38	6.05	4.13	......	......	15.77	......	......	......	......	......
1902.	......	......	......	......	3.44	4.21	3.15	1.89	7.17	2.79	4.75	4.62	......
1903.	2.73	8.48	6.79	4.69	4.60	5.05	4.04	6.09	0.46	2.14	3.66	4.04	52.77
1904.	2.40	1.81	6.72	3.30	6.18	3.17	3.61	4.38	2.39	1.35	3.13	5.68	44.12
1905.	2.44	4.91	4.46	2.66	5.90	9.61	3.82	3.58	0.79	6.33	1.31	5.22	51.03
1906.	4.79	1.04	5.31	1.95	3.23	2.58	9.68	5.37	5.77	3.32	2.97	5.44	51.45
1907.	2.42	3.58	5.99	3.49	4.63	3.68	4.62	1.41	6.19	1.93	4.76	3.76	46.46
1908.	4.44	3.52	4.08	3.40	3.94	1.84	6.37	2.31	2.30	0.55	2.72	4.93	40.40
Mns	4.88	4.07	5.83	4.97	3.72	4.82	5.30	3.99	3.15	2.61	3.75	4.45	51.54

NASHVILLE, DAVIDSON COUNTY, TENN.—Elevation 573 feet.

1871.	2.76	4.58	5.01	4.13	3.30	2.98	1.58	2.36	0.95	1.27	2.13	1.65	32.70
1872.	2.32	2.11	3.14	5.91	3.09	5.17	6.10	1.65	4.50	1.58	2.25	2.38	40.20
1873.	2.96	7.14	4.11	3.59	6.31	4.20	4.63	2.36	1.81	4.28	4.36	5.94	51.69
1874.	5.22	9.23	5.36	11.84	1.49	2.87	2.65	3.52	3.12	2.63	6.12	4.19	58.24
1875.	6.15	3.06	8.14	4.25	1.73	5.63	8.12	1.60	3.79	1.25	5.46	4.30	53.48
1876.	6.41	2.22	5.28	3.62	3.40	5.65	7.15	5.77	2.52	2.68	1.26	0.95	46.91
1877.	4.05	1.06	4.95	9.47	1.25	6.02	3.25	4.16	5.40	2.61	4.93	2.49	49.64
1878.	3.34	2.11	3.48	6.88	2.33	3.28	9.43	5.02	1.28	2.17	3.20	6.04	48.56
1879.	6.32	3.13	3.81	2.88	2.88	2.50	8.47	4.62	5.18	2.90	5.85	9.15	57.69
1880.	3.74	12.37	8.16	5.26	4.13	3.95	5.69	2.22	5.39	7.24	5.77	3.32	67.24
1881.	3.54	5.48	2.79	5.12	3.67	3.70	0.86	1.81	6.57	4.80	4.89	4.85	48.08
1882.	14.51	8.61	9.38	3.59	7.38	2.54	4.06	5.54	1.61	1.11	3.60	1.52	63.45
1883.	3.76	7.90	3.98	9.12	4.82	3.82	4.88	4.47	2.23	5.27	3.11	4.97	58.33
1884.	7.20	8.18	8.89	3.51	3.58	6.53	3.18	2.81	2.36	2.43	1.57	3.78	54.02
1885.	6.29	2.00	2.33	3.75	4.36	3.72	5.26	1.02	5.60	2.99	2.73	2.90	42.95
1886.	5.18	3.82	4.76	2.36	2.10	7.69	1.90	5.50	3.68	0.51	5.76	1.48	44.74
1887.	5.13	8.47	3.36	2.67	3.43	2.31	3.77	2.89	6.85	1.92	2.29	5.31	48.40
1888.	6.29	3.78	6.46	4.18	2.97	4.68	2.36	7.03	3.82	2.82	4.33	1.77	50.49
1889.	3.83	1.84	2.47	2.83	5.00	5.33	2.74	1.57	6.81	1.54	6.88	1.17	42.01
1890.	8.10	10.95	8.64	3.84	4.16	2.23	0.46	6.59	5.86	3.01	2.01	4.12	59.97
1891.	6.15	6.96	10.31	2.24	2.39	6.50	1.49	3.72	1.25	0.84	6.71	4.26	52.82
1892.	2.81	2.73	4.10	7.45	4.03	5.01	5.13	3.39	4.78	0.25	3.91	6.43	50.02
1893.	1.27	4.88	3.37	4.11	7.31	4.74	2.12	1.92	6.43	3.68	2.97	3.50	46.30
1894.	4.28	8.65	2.69	4.05	2.53	3.55	5.45	2.43	3.07	0.53	1.92	2.81	41.96
1895.	5.71	0.98	5.09	3.07	2.05	2.90	7.14	1.40	6.69	1.57	2.14	4.09	42.83
1896.	1.37	3.65	6.45	2.92	4.05	1.82	7.33	1.40	2.74	0.98	5.71	1.79	40.21
1897.	3.13	3.81	8.49	5.79	1.22	1.82	8.53	2.34	0.19	0.92	2.83	4.93	44.03
1898.	9.46	0.63	5.36	3.16	1.80	4.97	4.50	6.56	4.87	3.21	3.09	2.41	50.02
1899.	5.59	5.19	7.81	3.25	3.36	0.75	6.44	2.53	1.50	1.83	1.55	4.64	44.44
1900.	2.61	3.80	2.20	4.04	1.86	10.35	2.87	1.24	4.55	3.93	8.87	2.22	48.54
1901.	3.45	1.60	2.39	4.99	4.11	0.48	2.59	8.24	4.27	0.63	0.85	4.51	38.11
1902.	4.68	2.20	6.96	3.08	4.36	2.77	1.89	2.69	2.82	1.83	4.04	6.58	43.90
1903.	1.80	4.81	5.17	4.00	5.64	7.58	3.04	1.42	0.13	2.06	3.47	3.91	43.03
1904.	3.93	1.24	5.20	2.35	2.97	6.38	4.62	2.80	0.81	0.29	1.66	5.01	37.26
1905.	3.17	2.66	5.10	1.50	6.00	7.31	3.23	2.97	6.12	3.56	1.35	4.15	47.12
1906.	3.26	0.79	6.49	1.75	3.80	2.62	3.61	2.94	10.95	2.28	5.88	5.11	49.48
1907.	2.60	3.53	3.58	4.66	6.01	2.67	0.80	2.53	1.95	2.01	4.39	2.69	37.42
1908.	3.02	4.15	4.16	4.43	2.80	2.73	3.32	1.69	1.89	0.44	3.31	2.10	34.04
Mns	4.62	4.48	5.25	4.37	3.62	4.20	4.23	3.28	3.80	2.26	3.77	3.77	47.65

MEMPHIS, SHELBY COUNTY, TENN.—Elevation 409 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1850.	......	......	7.80	5.74	5.31	6.60	3.18	1.47	0.03	1.07	1.65	6.07	......
1851.	1.39	8.77	......	......	......	......	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1857.	......	2.54	0.91	8.73	4.78	2.96	......	......	2.50	1.47	4.82	4.91	......
1858.	4.91	3.25	4.75	3.15	7.56	5.00	9.64	3.37	1.40	1.92	3.14	5.46	53.55
1859.	4.05	7.10	6.41	6.40	......	......	1.75	4.48	4.76	1.48	3.77	3.47	......
1860.	7.20	5.46	0.88	3.62	0.50	5.60	2.57	1.09	2.95	3.52	4.15	......	......
1861.	1.30	3.05	3.65	......	......	......	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1867.	......	......	......	......	......	......	......	......	2.23	1.87	3.59	1.81	......
1868.	5.30	1.28	4.17	7.96	3.44	1.53	2.74	6.35	9.31	1.97	2.13	4.27	50.45
1869.	2.24	3.97	6.37	8.79	1.74	3.60	2.36	3.26	1.30	3.99	4.84	4.68	47.14
1870.	4.96	4.69	5.65	......	......	......	......	......	......	......	......	......	......
1871.	......	......	9.84	5.03	6.02	5.12	2.53	2.69	3.38	4.04	2.23	1.70	......
1872.	2.17	4.24	5.19	6.99	4.16	4.44	4.23	0.54	3.62	3.23	1.67	3.47	43.95
1873.	5.85	8.98	3.44	4.87	4.82	6.36	0.82	4.53	3.53	5.95	3.87	3.18	56.20
1874.	2.88	4.10	6.61	10.16	0.63	2.22	0.47	4.60	5.99	1.07	3.86	3.12	45.71
1875.	7.45	3.34	8.60	3.48	4.21	2.72	4.34	2.39	2.94	2.38	9.63	5.54	57.02
1876.	7.65	1.33	11.03	4.51	8.49	2.70	4.38	5.37	3.04	3.95	0.90	2.14	55.49
1877.	4.31	1.54	4.24	13.90	1.81	18.16	6.22	6.05	3.11	3.75	5.97	4.44	73.50
1878.	4.11	5.08	3.80	11.93	3.66	5.47	2.40	1.72	2.59	2.91	2.45	3.21	49.33
1879.	7.71	3.25	2.98	5.54	5.53	3.17	3.01	4.57	0.62	1.39	6.01	8.51	52.29
1880.	6.87	9.44	8.82	3.91	3.82	4.96	2.14	3.03	2.47	5.20	8.39	2.62	61.67
1881.	4.38	6.41	3.23	5.74	2.80	2.83	0.89	1.97	3.84	3.22	5.14	2.39	42.84
1882.	12.87	9.92	9.10	3.56	9.14	4.15	4.13	3.49	2.18	4.08	6.65	1.78	71.05
1883.	4.83	8.09	4.43	4.66	6.55	4.92	1.78	1.85	1.05	8.56	4.56	5.86	57.14
1884.	5.66	9.64	5.08	8.60	6.46	7.26	2.38	1.27	4.29	2.83	2.08	9.14	64.69
1885.	6.61	1.88	3.07	3.00	3.05	1.52	4.80	1.70	4.42	1.18	3.26	2.92	37.41
1886.	4.55	6.43	3.00	2.88	2.11	8.06	5.52	6.49	6.20	0.59	8.89	3.00	57.72
1887.	5.00	8.37	4.18	2.34	2.83	1.04	3.30	1.21	2.15	2.24	4.06	5.80	42.52
1888.	4.04	2.49	5.40	1.15	2.35	4.32	2.12	10.44	1.06	3.51	6.53	3.41	46.82
1889.	5.28	1.90	5.33	3.47	1.48	7.39	4.77	5.62	3.01	0.75	5.21	0.46	44.67
1890.	8.43	8.13	7.93	5.10	4.42	3.55	2.82	7.56	9.07	2.75	4.88	3.64	68.28
1891.	7.33	4.07	7.37	2.72	1.75	4.74	6.06	3.18	0.59	2.21	4.79	6.50	51.31
1892.	3.06	3.15	4.05	8.26	7.46	4.60	7.55	3.52	0.98	0.62	6.26	11.95	61.46
1893.	1.42	6.33	1.95	5.48	13.34	2.39	0.73	0.62	5.46	0.64	3.48	2.61	44.45
1894.	4.03	7.94	10.90	8.45	5.70	2.60	3.27	5.11	1.60	0.55	0.49	3.88	54.52
1895.	5.94	1.39	7.01	2.32	0.46	2.31	6.99	0.64	0.73	2.17	5.54	3.09	38.59
1896.	4.32	3.19	4.78	3.78	2.49	2.07	0.80	0.84	3.21	1.49	7.47	0.56	35.00
1897.	4.63	5.17	10.04	5.46	1.37	2.50	2.42	2.64	0.00	1.00	5.00	5.80	46.03
1898.	10.72	1.82	4.73	2.30	4.39	2.76	4.28	2.69	5.57	3.14	3.22	2.96	48.58
1899.	5.78	4.33	3.03	1.38	5.18	2.66	5.86	2.08	0.52	1.78	2.34	4.05	38.99
1900.	2.21	5.27	2.98	5.31	3.23	11.45	2.56	0.48	2.73	3.43	4.66	3.11	47.42
1901.	3.42	1.95	3.48	1.60	2.00	1.82	0.45	6.78	5.56	1.57	1.52	4.43	34.58
1902.	6.00	2.16	5.96	2.69	4.49	5.27	1.10	4.51	2.67	3.23	4.15	8.09	50.32
1903.	3.31	8.06	5.59	2.69	4.76	1.87	1.09	1.55	0.35	0.25	2.38	4.27	36.17
1904.	3.34	1.31	5.96	3.79	4.91	3.82	4.44	2.24	0.58	0.31	1.46	10.40	42.56
1905	4.15	2.83	4.86	5.83	7.16	6.63	4.51	5.28	1.42	7.01	2.18	3.99	55.85
1906.	5.30	1.31	5.19	1.21	3.93	1.84	4.78	2.32	6.71	1.99	14.53	5.20	54.31
1907.	2.89	2.60	4.00	4.03	7.54	1.91	3.48	0.49	1.55	5.90	5.13	3.03	41.55
1908.	4.71	5.36	5.02	5.75	3.21	5.73	3.50	4.52	1.49	0.05	5.45	2.67	47.46
Mns	4.99	4.63	5.17	5.07	4.34	4.38	3.39	3.33	2.94	2.55	4.44	4.30	50.22

PALMETTO, BEDFORD COUNTY, TENN.—Elevation 770 feet.

1883.	......	3.43	4.42	7.13	3.79	6.34	4.20	3.36	3.05	5.05	4.99	5.99	......
1884.	8.93	9.91	10.04	4.29	3.03	6.08	6.55	2.61	0.82	1.67	1.42	7.04	62.39
1885.	8.53	2.63	2.53	3.77	4.85	2.81	4.10	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1893.	......	......	2.96	7.18	7.10	5.64	1.78	2.48	6.38	......	1.95	2.24	......
1894.	5.90	9.01	4.33	4.00	3.13	2.27	8.42	4.14	4.60	0.70	1.74	4.70	52.94
1895.	6.74	1.60	5.31	3.79	3.01	2.03	5.57	1.55	4.29	1.78	2.24	5.41	43.32
1896.	1.80	6.95	6.26	3.89	1.57	2.91	8.79	1.18	5.26	0.77	6.79	1.37	47.54
1897.	2.71	3.85	12.38	7.12	2.72	2.29	7.36	3.02	0.62	0.98	3.33	6.92	53.30
1898.	9.03	0.97	4.10	5.68	1.28	2.54	7.11	3.44	4.61	3.51	2.67	2.86	47.80
1899.	6.47	5.56	5.45	3.61	2.52	3.07	3.66	2.01	1.26	3.25	1.94	5.80	44.60
1900.	3.45	3.96	3.38	4.58	2.41	13.97	6.80	2.72	2.08	6.66	3.96	2.58	56.55
1901.	4.07	1.67	2.55	5.23	2.94	2.14	3.30	9.46	4.57	1.53	1.41	5.14	44.01
1902.	5.58	3.16	10.75	2.70	1.95	3.05	2.22	4.01	4.30	1.87	4.71	4.68	48.98
1903.	3.75	7.25	5.58	5.49	6.36	6.08	5.24	2.57	1.59	1.11	4.50	4.12	53.64
1904.	2.11	1.34	6.95	2.72	4.15	2.60	3.30	4.71	1.89	2.03	2.84	5.82	40.46
1905.	3.58	4.31	4.60	2.69	9.43	5.95	......	5.16	2.91	6.58	0.71	5.74	......
1906.	4.98	0.87	6.11	2.21	4.31	1.58	7.59	5.93	9.52	3.56	3.03	5.73	55.42
1907.	1.77	3.35	4.83	2.52	5.48	1.63	6.73	2.34	6.56	1.69	4.52	3.93	45.35
1908.	4.83	4.72	5.39	3.85	5.98	5.07	2.76	7.29	2.65	0.62	2.73	4.41	50.30
Mns	4.95	4.14	5.68	4.34	4.00	4.11	5.30	3.78	3.72	2.55	3.08	4.69	50.34

SPRINGVILLE, HENRY COUNTY, TENN.—Elevation 377 feet.

1902.	......	......	......	......	......	......	......	......	......	......	......	8.91	......
1903.	2.09	8.97	5.12	3.60	5.81	3.41	3.29	1.03	0.58	1.10	5.94	4.75	45.69
1904.	3.99	1.92	6.30	3.22	2.55	2.67	1.66	1.60	4.08	0.59	1.33	7.19	37.10
1905.	3.29	2.50	4.67	2.28	9.80	2.19	3.98	3.61	4.55	3.69	4.75	4.60	49.91
1906.	4.70	1.14	6.48	1.49	2.20	1.03	8.10	3.57	5.77	3.14	13.89	7.09	58.60
1907.	3.99	5.06	3.54	5.43	9.37	1.75	4.38	5.64	5.34	3.72	4.51	4.61	57.34
1908.	2.56	5.44	3.72	5.85	4.35	6.51	2.90	2.61	1.34	0.19	6.11	1.96	43.54
Mns	3.44	4.17	4.97	3.64	5.68	2.93	4.05	3.01	3.61	2.07	6.09	5.59	49.25

WORSHAM, SUMNER COUNTY, TENN.—Elevation 550 feet.

1902.	6.16	2.72	6.86	4.55	3.93	2.02	1.45	1.34	5.78	2.27	4.56	7.61	49.25
1903.	2.24	6.56	4.88	4.99	6.33	5.43	3.62	3.04	0.38	2.42	3.52	4.73	48.14
1904.	4.02	2.15	6.38	2.85	3.59	......	2.62	1.65	1.99	0.34	1.57	5.90	......
1905.	4.66	2.85	4.33	1.81	4.38	5.25	4.18	3.44	2.96	4.65	3.91	4.26	46.68
1906.	3.54	1.27	7.29	3.56	3.39	3.90	2.49	4.07	9.95	2.13	5.78	6.11	53.48
1907.	3.24	4.65	3.50	2.64	6.62	4.53	3.06	2.82	1.84	3.58	5.78	3.02	45.28
1908.	2.10	5.35	4.13	6.11	4.54	4.65	3.57	1.87	1.04	0.41	4.24	2.94	40.95
Mns	3.71	3.65	5.34	3.79	4.68	4.30	4.16	2.60	3.42	2.26	4.22	4.94	47.07

POPE, PERRY COUNTY, TENN.—Elevation 400 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l.
1896.	3.60	3.75	......	......	3.70	2.56	1.20	0.24	0.29	1.18	6.98	1.55	......
1897.	3.55	1.02	15.60	3.65	2.21	0.78	2.42	0.27	0.00	1.04	4.28	5.89	40.71
1898.	11.02	0.84	3.70	3.25	3.82	4.77	5.84	3.51	2.53	3.10	3.57	2.86	48.81
1899.	6.44	4.53	7.82	3.30	2.43	2.37	4.87	3.01	2.25	2.17	2.91	6.33	48.43
1900.	2.52	5.65	4.33	6.25	3.31	13.55	5.87	2.29	3.47	6.40	7.83	2.38	63.85
1901.	4.71	2.22	2.91	2.93	1.84	3.55	1.38	10.00	6.10	1.90	1.45	6.33	45.32
1902.	5.77	2.75	7.85	3.54	4.13	2.04	1.05	4.83	6.30	0.80	4.70	9.90	53.66
1903.	3.18	6.47	4.56	2.07	5.17	2.58	0.97	2.75	0.50	1.60	2.55	4.77	37.17
1904.	3.75	2.05	5.78	4.40	5.10	4.40	3.03	1.80	1.90	2.22	1.80	7.90	44.13
1905.	4.61	3.80	5.10	2.00	7.25	8.75	4.70	3.33	2.15	6.25	1.80	5.59	55.33
1906.	3.45	1.05	5.14	2.45	2.98	2.44	7.13	2.80	4.10	4.45	11.51	5.90	53.40
1907.	3.72	4.44	4.65	5.65	7.10	3.80	4.40	......	3.20	......	......	4.70	......
1908.	5.00	7.30	7.10	5.58	2.30	6.13	4.45	2.75	1.60	T.	4.50	2.85	49.56
Mns	4.71	3.53	6.21	3.76	3.95	4.44	3.64	3.13	2.65	2.59	4.49	5.15	48.25

SAVANNAH, HARDIN COUNTY, TENN.—Elevation 442 feet.

1883.	**4.30**	**7.50**	3.80	6.20	4.78	6.08	4.31	2.03	1.79	7.27	4.22	5.52	57.80
1884.	7.47	8.94	8.33	5.57	3.76	8.82	6.27	0.39	0.59	2.91	0.79	4.36	58.20
1885.	5.99	2.35	1.87	2.51	3.36	4.21	4.32	**1.17**	5.05	2.35	**3.39**	3.88	40.45
1886.	5.83	5.16	3.26	2.80	7.14	11.14	3.46	2.56	5.80	0.87	6.17	2.07	56.26
1887.	5.70	7.41	3.98	3.95	2.88	5.30	3.91	1.97	**1.20**	**3.25**	1.76	6.45	47.76
1888.	3.40	**2.60**	8.06	**2.12**	2.18	3.15	1.99	**9.18**	2.11	**2.60**	5.67	1.58	44.64
1889.	3.83	3.90	3.40	1.94	3.40	6.10	5.30	4.64	5.77	0.89	6.93	0.75	46.85
1890.	8.20	10.32	9.30	4.15	4.06	4.54	0.39	7.68	8.50	2.34	1.76	5.31	66.54
1891.	4.46	**7.09**	**10.34**	**1.08**	**3.75**	4.61	4.30	3.56	1.39	0.92	3.84	5.15	49.49
1892.	2.78	4.74	3.20	12.37	6.24	4.30	8.12	3.57	1.22	0.12	4.55	9.24	60.45
1893.	0.75	6.22	2.89	7.18	7.28	1.48	4.10	1.04	4.86	1.07	3.13	4.04	44.04
1894.	4.57	9.67	5.19	4.38	2.11	3.55	5.37	6.33	**1.23**	**0.35**	**1.37**	**4.45**	48.57
1895.	**5.06**	**0.76**	4.63	1.67	1.22	4.10	6.56	3.25	2.00	**1.73**	**4.37**	**3.79**	39.14
1896.	**4.67**	6.48	9.53	2.69	3.07	6.32	3.77	2.51	**1.45**	**1.89**	**7.29**	**1.09**	50.76
1897.	2.57	2.84	12.60	4.58	1.83	1.39	3.46	2.41	T.	1.47	4.38	5.93	43.46
1898.	8.07	1.35	4.27	2.60	3.50	2.53	5.46	1.65	3.31	2.63	4.01	2.94	42.32
1899.	5.42	5.32	7.28	3.17	1.17	1.43	4.49	3.97	2.62	3.30	2.21	6.14	46.52
1900.	2.37	4.79	3.05	9.83	7.25	13.49	3.60	3.95	3.45	6.30	5.10	3.20	66.38
1901.	5.82	1.85	3.07	3.30	4.10	2.63	2.72	8.83	5.72	1.53	1.48	5.64	46.69
1902.	6.64	2.55	9.14	1.61	7.04	4.08	2.60	5.40	7.14	0.66	5.81	10.44	63.11
1903.	3.33	7.08	4.41	2.20	6.90	3.86	4.27	4.04	0.48	0.79	3.96	4.85	46.17
1904.	3.38	1.43	6.35	3.82	5.68	4.55	3.20	2.71	4.22	0.63	2.08	6.28	44.33
1905.	4.24	3.49	4.89	2.99	4.99	5.56	1.70	3.03	1.74	4.78	0.89	5.23	43.53
1906.	3.09	1.50	5.38	0.53	2.03	1.79	12.12	2.26	5.31	4.42	7.03	5.47	50.93
1907.	3.74	3.58	7.59	6.47	8.78	1.72	4.65	2.99	3.65	2.16	......	3.00	......
1908.	4.74	5.58	4.81	6.41	4.39	6.70	......	......	.....	T.	3.85	3.78	......
Mns	4.63	4.79	5.79	4.08	4.30	4.75	4.42	3.64	3.22	2.20	3.84	4.64	50.30

TRENTON, GIBSON COUNTY, TENN.—Elevation 345 feet.

1869.	.....	3.15	5.93	9.00	3.30	3.80	7.00	5.70	1.30	2.60	5.50	5.30	.....
1870.	5.58	4.41	4.32	2.90	4.70	5.60	1.80	3.40	1.70	2.90	......	......	......
1871.	4.05	3.00	8.20	7.75	3.60	2.80	3.20	2.60	1.70	4.20	1.22	2.50	44.82
1872.	1.44	3.30	1.80	7.60	3.00	5.00	4.30	.....	3.65	1.60	1.70	1.87	......
1873.	3.66	......	.....	......	.....	......	......	......	......	.....	.....	......	......
.....	......	......	......	......	......	......	......	......	......	.....	.....	......	......
1883.	.....	......	......	......	....	......	....	4.57	0.96	12.83	5.80	7.74	......
1884.	7.36	10.71	7.75	8.77	8.64	3.77	5.93	2.55	5.91	2.17	1.95	7.14	72.65
1885.	6.98	1.96	2.46	3.84	4.50	6.78	4.43	1.26	3.49	2.26	2.52	3.18	43.66
1886.	6.16	6.74	3.74	5.06	4.37	4.14	1.28	2.92	4.19	0.86	7.73	2.36	49.55
1887.	4.97	8.23	2.86	1.68	3.17	2.21	2.73	2.83	3.50	1.99	2.77	4.01	40.95
1888.	4.73	2.14	5.72	1.63	4.19	3.89	1.18	8.62	1.94	2.85	5.16	2.15	44.20
1889.	5.25	1.74	3.32	1.51	3.74	8.33	2.69	1.02	6.43	1.15	9.83	0.93	45.81
1890.	7.70	8.50	8.31	4.48	3.11	4.85	0.50	8.58	4.90	2.48	5.49	5.09	63.99
1891.	7.77	5.40	7.70	4.36	1.24	8.06	6.74	2.44	1.39	0.80	7.60	6.50	60.00
1892.	......	......	.....	.....	......	......	......	.....	......	......	......	......	......
1893.	.....	......	......	......	......	3.06	2.42	T	6.98	2.32	4.90	4.50	......
1894.	3.99	8.90	6.57	6.74	3.49	1.17	4.11	2.58	2.00	0.47	0.46	....	......
1895.	......	.....	6.36	0.91	1.83	1.81	4.59	0.03	1.62	0.77	7.23	3.95	.....
1896.	2.26	3.81	6.94	2.66	5.95	4.92	3.87	4.24	2.77	1.77	8.37	1.11	48.67
1807.	4.67	4.13	7.70	6.10	0.98	2.58	1.56	1.62	T.	1.95	4.32	4.17	39.78
1898.	14.86	1.99	6.74	4.59	3.92	3.73	4.67	2.07	5.04	6.50	3.20	3.8[illegible]	61.11
1899.	6.60	3.64	4.77	2.57	4.47	2.11	4.04	0.79	0.47	2.71	2.91	**4.00**	39.08
1900.	......	......	1.83	2.99	2.12	12.05	1.96	1.24	4.71	4.01	7.40	....	......
1901.	......	.....	.....	.....	.....	......	.....	10.52	2.05	2.23	1.99	4.74	......
1902.	6.92	3.70	5.84	2.28	.....	......	......	......	3.01	3.10	4.20	10.19	......
1903.	3.16	8.76	5.05	3.95	5.54	3.34	4.44	1.33	0.55	1.57	3.10	5.45	46.24
1904.	5.05	1.36	5.70	5.17	3.17	1.87	3.39	1.99	4.50	1.26	1.21	7.57	42.24
1905.	4.58	2.75	4.21	4.27	5.23	5.94	4.61	1.94	1.90	5.18	5.47	3.82	49.90
1906.	3.76	1.46	5.81	3.72	1.28	1.98	1.71	4.08	5.08	1.90	13.79	7.59	52.16
1907.	4.55	5.74	3.60	5.90	7.79	1.97	1.29	1.30	3.47	4.26	4.68	3.86	48.41
1908.	3.13	4.34	4.88	6.11	4.15	6.10	2.18	3.43	0.49	T.	7.24	1.81	43.86
Mns	5.38	4.58	5.31	4.48	3.90	4.30	3.33	3.10	2.95	2.71	4.92	4.44	49.41

YUKON, LINCOLN COUNTY, TENN.—Elevation 850 feet.

1896.	......	.....	.....	5.24	3.94	2.48	3.94	1.28	5.48	0.90	9.76	2.95	......
1897.	3.43	5.05	14.36	5.32	4.84	1.70	4.66	5.42	0.00	2.13	3.16	8.30	58.37
1898.	6.48	1.29	5.32	4.57	2.39	6.11	8.08	2.51	3.37	4.39	3.00	2.95	50.46
1899.	8.21	7.88	9.70	2.41	1.12	2.21	4.38	2.15	0.32	1.78	2.86	8.20	51.22
1900.	4.83	5.43	4.01	10.62	4.04	10.79	3.97	3.68	2.20	6.89	3.65	3.19	63.30
1901.	5.08	2.10	5.88	5.49	2.09	2.80	3.35	9.96	5.68	2.24	2.82	6.35	53.84
1902.	5.00	3.68	6.43	2.78	2.05	2.53	1.56	......	.....	2.38	5.01	5.91	......
1903.	3.28	10.42	5.32	3.17	6.25	3.61	3.64	2.23	0.89	4.32	4.21	3.57	50.91
1904.	2.36	1.25	6.08	3.23	3.40	2.24	4.46	3.21	1.24	0.89	3.82	6.50	38.68
1905.	3.80	5.75	4.67	3.93	4.15	7.68	2.16	3.68	3.70	.....	**1.25**	5.03	......
1906.	6.67	1.33	7.03	1.50	3.51	4.44	6.61	3.54	11.40	3.44	2.86	4.42	56.75
1907.	2.81	3.97	4.58	3.52	6.75	2.97	3.08	2.28	5.81	......	5.77	5.13	......
1908.	4.26	6.18	4.82	5.48	6.58	2.77	3.84	3.96	2.25	0.87	2.27	7.06	50.34
Mns	4.69	4.53	6.52	4.40	3.93	4.03	4.13	3.65	3.53	2.75	3.88	5.35	51.39

SEWANEE, FRANKLIN COUNTY, TENN.—Elevation 2.000 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1860.	5.50	6.58	2.88	1.53	3.86	3.61	2.30	4.14	4.14	2.26	7.80	3.82	48.41
1861.	8.16	7.53	4.60	......	......	......	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	....	......	......	......
1895.	......	......	......	......	2.83	2.45	......	......	......	4.20	1.53	3.57	......
1896.	1.30	6.71	6.27	5.55	3.50	4.22	6.75	1.20	3.11	2.18	6.71	3.22	50.72
1897.	3.73	7.15	16.79	5.96	0.10	2.34	7.21	3.36	0.30	3.12	2.84	8.06	60.96
1898.	7.12	1.76	3.65	6.67	1.75	3.81	10.56	3.65	6.00	6.23	4.67	2.30	58.17
1899.	5.73	8.99	7.10	4.15	3.08	4.07	5.91	4.53	0.23	3.74	4.59	5.74	57.86
1900.	4.47	6.53	4.34	9.47	2.28	11.24	4.70	2.07	1.30	4.59	4.48	1.32	56.79
1901.	4.00	1.52	5.41	3.85	2.92	1.10	1.39	13.36	4.63	1.73	1.49	10.13	51.53
1902.	4.47	4.30	5.61	3.23	2.62	3.16	3.00	2.17	5.85	3.82	6.10	3.57	47.90
1903.	2.20	12.97	5.75	4.95	5.48	7.66	5.09	2.39	0.25	1.15	3.94	1.61	53.44
1904.	4.24	1.66	10.08	2.31	6.22	1.46	1.21	3.51	0.41	0.83	4.79	4.64	41.36
1005.	2.30	5.73	3.84	3.72	5.21	10.94	4.00	4.15	0.71	5.38	1.77	5.20	52.95
1906.	5.35	0.60	3.66	2.22	5.23	4.53	9.71	6.81	7.88	4.13	3.00	7.43	60.55
1907.	2.05	3.40	4.50	3.62	5.90	6.60	7.69	3.15	5.54	1.45	5.65	1.70	51.25
1908.	4.20	2.95	4.30	......	5.85	4.10	3.65	7.63	2.07	1.73	0.60	8.28	......
Mns	4.32	5.23	5.92	4.40	3.86	4.75	5.23	4.44	3.03	3.10	4.00	4.71	52.29

TULLAHOMA, COFFEE COUNTY, TENN.—Elevation 1.075 feet.

1883.	.....	......	5.05	8.00	3.50	6.52	4.21	6.38	3.56	5.54	4.71	7.38	....
1884.	8.41	9.24	9.85	4.70	3.20	4.65	10.62	2.29	2.22	2.39	1.95	7.16	66.68
1885.	8.64	2.19	2.88	3.37	5.49	6.73	6.41	2.65	3.24	4.47	4.99	3.40	54.46
1886.	6.55	2.68	7.29	3.49	2.78	4.63	2.53	3.90	3.78	0.55	7.97	4.25	50.40
1887.	5.42	7.33	2.92	3.34	1.22	4.11	......	......	......	......	......	......	......
.....	......	....	......	.....	......	......	......	......	.....	......	....	......	......
1889.	.....	......	.....	2.28	2.41	2.28	4.99	2.60	1.85	0.23	4.56	......	.....
....	......	....	.....	.....	.....	.....	......	......	......	......	......	......	......
1893.	......	......	......	......	4.00	3.25	0.75	2.25	2.62	2.75	.....	......	......
1894.	.....	......	4.90	2.90	0.90	1.50	.....	0.90	1.30	0.60	1.10	7.30	......
1895.	7.45	1.50	8.50	4.25	2.45	5.30	5.50	3.30	2.35	2.15	2.40	7.35	52.50
1896.	5.85	4.85	5.85	6.50	2.45	3.95	10.40	1.85	4.20	1.15	6.32	2.35	55.72
1897.	3.30	4.35	16.85	6.25	3.85	1.10	4.20	1.85	0.05	3.20	3.50	6.30	54.80
1898.	7.04	1.23	3.65	5.60	1.65	2.60	7.60	2.40	3.30	3.90	2.55	2.50	44.02
1899.	6.77	6.75	8.50	6.20	2.65	2.50	4.55	3.00	0.75	2.55	2.70	7.10	54.02
1900.	3.55	4.85	3.50	7.50	3.05	12.30	2.00	1.10	1.07	5.10	3.45	2.50	49.97
1901.	4.60	2.10	4.15	4.95	3.75	0.80	2.50	13.40	8.05	1.45	2.90	7.00	55.65
1902.	5.90	3.40	8.35	2.95	2.67	2.25	3.60	2.45	6.60	2.22	.....	.....	....
1903.	3.63	9.92	5.49	5.66	3.74	5.08	4.29	6.05	0.95	2.16	3.80	3.59	54.36
1904.	3.02	1.43	9.25	3.47	5.51	3.97	4.57	6.05	2.58	1.63	3.24	5.88	50.60
1905.	2.84	5.42	3.93	4.34	6.62	6.95	2.50	3.02	1.86	6.26	1.07	6.08	50.89
1906.	5.43	1.77	5.03	1.87	2.81	2.90	5.45	7.53	7.95	4.46	2.89	4.99	53.08
1907.	1.93	3.71	5.30	4.08	6.13	4.87	5.75	2.48	4.66	1.74	5.83	7.32	53.80
1908.	4.11	4.90	5.27	3.64	5.72	5.01	2.60	4.96	2.79	0.70	2.24	6.39	48.33
Mns	5.25	4.31	6.33	4.54	3.48	4.24	4.75	3.83	3.13	2.63	3.59	5.49	51.57

WAYNESBORO, WAYNE COUNTY, TENN.—Elevation 753 feet.

1884.	......	......	......	......	......	......	......	......	......	2.21	1.58	4.22	......
1885.	5.57	**2.35**	**1.87**	2.14	3.74	3.82	4.58	3.12	6.66	2.73	5.14	3.48	45.20
1886.	5.27	4.45	6.70	2.10	5.57	11.53	1.52	2.12	3.38	0.87	3.77	3.87	51.05
1887.	6.65	7.10	4.45	2.79	4.00	2.70	1.94	3.20	2.07	3.40	1.30	5.35	44.95
1888.	1.45	2.60	7.13	2.12	1.92	5.53	3.90	9.18	2.19	2.60	5.28	1.18	45.08
1889.	4.62	3.27	3.10	2.63	3.64	5.00	8.82	4.68	4.75	0.66	7.42	1.50	50.09
1890.	6.20	9.00	7.87	5.10	3.48	3.60	1.14	3.15	6.85	2.48	0.47	2.50	51.84
1891.	4.32	7.09	10.34	3.15	1.00	9.85	5.98	4.08	0.00	**1.60**	5.00	4.15	56.56
1892.	0.98	4.90	5.85	10.95	3.41	4.66	7.10	5.98	4.77	0.08	4.80	7.22	60.70
1893.	0.20	6.12	2.49	7.75	7.90	2.80	6.60	1.30	5.85	0.90	3.50	2.37	47.78
1894.	7.20	9.81	4.70	4.46	1.97	1.82	6.22	7.91	1.57	0.60	1.50	3.65	51.41
1895.	4.54	0.85	5.82	2.69	1.21	3.68	6.15	2.96	1.05	2.40	1.70	4.42	37.47
1896.	4.00	4.43	6.12	3.00	2.70	5.43	3.60	1.65	1.12	1.95	5.17	2.67	41.84
1897.	3.79	4.17	12.99	4.72	1.59	1.03	3.26	2.98	0.00	1.40	4.06	7.24	47.23
1898.	8.13	1.61	3.92	3.69	3.60	3.18	**5.46**	**1.65**	2.94	4.26	4.28	2.85	45.57
1899.	4.30	4.76	7.47	2.80	1.05	0.35	7.29	2.43	0.40	2.40	2.24	6.78	42.27
1900.	......	......	......	......	......	......	......	......	......	......	4.45	2.21	......
1901.	5.25	1.21	2.69	3.39	2.00	2.82	2.62	9.82	4.25	1.40	1.57	6.06	43.08
1902.	6.95	3.20	8.50	2.32	3.24	2.27	1.35	3.00	5.80	1.36	5.12	7.00	50.11
1903.	3.37	6.09	3.44	3.27	5.41	5.63	3.86	2.47	0.60	0.92	3.03	4.28	42.37
1904.	3.99	1.53	6.98	3.84	5.48	4.27	2.50	1.60	2.40	0.59	......	......	......
1905.	......	3.62	4.60	2.69	4.26	11.84	2.67	8.39	4.[illegible]2	5.07	1.53	5.68	......
1906.	3.13	1.35	6.29	2.33	2.28	2.25	9.63	2.78	6.01	4.27	5.07	6.11	51.50
1907.	4.08	3.93	7.16	6.80	8.73	2.30	4.52	2.76	5.00	1.76	5.98	4.16	57.18
1908.	4.88	5.81	6.58	7.05	5.16	4.03	3.34	4.20	5.08	0.62	2.64	4.27	53.66
Mns	4.49	4.32	5.87	3.99	3.62	4.36	4.54	3.97	3.36	1.94	3.61	4.30	48.37

WILDERSVILLE, HENDERSON COUNTY, TENN.—Elevation 400 feet.

1885.	.....	......	.....	.....	.....	......	......	......	......	2.10	3.06	1.75	......
1886.	6.17	5.95	2.95	....	......	......	.....	......	.....	......	......	....	.....
.....	.....	......	.....	......	......	.....	.....	.....	......	.....	.....	......	......
1897.	......	......	......	.....	.....	......	.....	......	......	0.96	4.22	6.08	......
1898.	12.55	1.48	5.60	4.25	4.42	3.56	5.15	2.34	3.27	2.71	3.66	2.92	51.91
1899.	7.95	6.36	6.96	5.25	5.37	4.65	4.00	2.70	0.38	3.01	3.52	5.22	55.37
1900.	2.56	6.39	3.16	3.67	3.93	15.85	2.33	4.51	4.78	6.50	7.48	2.98	64.14
1901.	4.28	2.32	3.40	3.44	3.74	1.93	1.63	9.08	2.60	1.75	2.05	5.38	41.60
1902.	5.21	1.68	9.42	4.73	4.59	3.36	2.65	8.25	2.69	1.58	4.25	9.64	58.05
1903.	2.59	7.39	4.67	2.56	6.05	2.39	6.37	......	0.30	1.18	3.58	4.95	......
1904.	4.70	0.95	5.70	3.75	3.57	3.87	5.82	3.77	3.15	2.90	1.15	8.60	47.93
1905.	3.02	1.25	4.34	3.08	7.21	5.93	4.98	4.01	2.29	6.21	2.09	4.49	48.90
1906.	4.85	0.76	3.62	2.88	......	2.60	3.64	4.37	5.38	3.30	12.18	6.93	......
1907.	4.29	4.20	4.86	5.62	9.91	1.08	2.85	2.58	2.87	4.53	4.18	.....	......
1908.	......	......	.....	3.94	3.65	4.49	1.81	4.21	0.77	0.00	4.09	1.95	.....
Mns	5.29	3.52	4.97	3.92	5.24	4.52	3.75	4.58	2.59	2.83	4.27	5.07	50.55

WALLING, WHITE COUNTY, TENN.—Elevation 909 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	Annual.
1904.	......	......	......	......	......	......	......	3.26	3.05	0.51	5.55	6.42	......
1905.	2.98	4.89	5.32	3.30	4.53	8.93	3.41	5.44	3.51	6.02	1.63	4.95	54.91
1906.	3.91	0.85	4.79	3.50	4.17	2.79	7.85	5.20	7.69	3.98	3.88	5.36	53.97
1907.	2.40	3.48	7.84	3.45	5.18	2.65	2.98	3.67	10.09	2.15	4.35	3.39	51.63
1908.	2.95	3.19	4.17	2.95	4.14	2.84	5.91	3.63	2.42	0.75	2.29	5.03	40.27
Mns	3.06	3.10	5.53	3.29	4.50	4.30	5.04	4.24	5.35	2.68	3.54	5.04	49.65

AVERAGE NUMBER OF DAYS WITH .01 INCH OR MORE OF PRECIPITATION

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Bolivar	21	8	8	9	8	7	8	8	6	5	4	6	7	84
Carthage	11	10	11	13	11	11	12	10	11	8	7	8	12	124
Clarksville	17	10	10	12	11	10	8	8	7	6	5	7	10	104
Florence	25	10	9	10	10	9	10	10	8	7	6	7	9	105
Hohenwald	23	10	9	11	10	10	10	10	9	7	5	8	9	108
Johnsonville	14	11	11	12	10	10	11	10	9	6	6	8	10	114
Kenton	7	10	10	11	11	12	10	9	10	7	6	7	12	115
Lynnville	12	8	8	10	9	8	9	11	8	6	5	7	9	98
Memphis	38	11	10	12	11	10	10	10	8	7	6	9	11	115
Nashville	38	12	11	13	11	11	11	11	9	8	7	9	11	124
Springville	6	10	10	11	12	12	8	9	10	10	6	6	11	115
Trenton	11	8	7	10	9	8	9	7	6	4	4	7	8	87
Tullahoma	18	10	9	11	10	9	10	10	9	7	5	7	10	107
Waynesboro	11	10	8	9	9	9	7	9	9	6	4	7	9	96
Wildersville	11	8	8	9	8	9	8	7	7	5	5	7	7	88

MEAN TEMPERATURE.

Bolivar	24	38.3	39.6	51.1	59.3	68.0	75.8	78.9	77.9	71.2	59.1	48.6	40.7	59.0
Carthage	25	38.0	40.0	50.0	58.5	68.2	75.5	78.4	76.4	71.2	59.1	48.1	40.0	58.6
Clarksville	45	37.9	40.3	49.2	59.1	67.4	75.3	78.5	77.0	70.8	59.6	47.9	40.5	58.6
Florence	27	38.4	40.5	49.8	59.0	67.5	75.2	78.1	76.6	71.2	59.3	48.5	41.0	58.8
Hohenwald	23	38.2	39.2	49.6	58.2	66.9	74.0	76.5	75.6	69.6	58.1	48.0	39.9	57.8
Jackson	16	40.2	40.8	52.2	60.5	68.7	76.3	78.9	78.1	72.8	60.2	49.9	42.1	60.1
Johnsonville	13	39.5	38.5	52.3	59.0	68.7	75.3	78.9	78.7	72.3	60.1	48.9	40.1	59.4
Lynnville	21	39.0	40.2	50.4	58.2	68.1	75.4	78.3	77.3	70.8	59.7	48.7	41.2	58.9
Memphis	33	40.3	43.3	52.1	61.8	70.7	77.7	80.7	79.2	72.8	62.5	51.4	43.5	61.3
Nashville	33	38.0	41.1	49.2	59.1	68.8	76.3	79.4	77.8	71.5	60.3	48.7	41.1	59.3
Savannah	23	40.3	41.8	52.1	60.4	68.9	76.2	79.5	78.2	72.1	60.0	49.5	42.1	60.1
Springville	6	39.8	38.3	53.4	57.7	67.1	73.6	77.6	77.5	72.0	58.0	47.6	40.5	58.6
Trenton	26	37.9	39.8	49.8	59.5	68.2	75.9	78.4	77.8	71.5	58.8	47.7	40.5	58.8
Tullahoma	20	38.8	39.4	50.1	57.2	66.8	73.3	76.3	75.4	69.3	57.8	47.3	40.1	57.6

HIGHEST TEMPERATURE.

Bolivar	22	76	77	88	90	93	101	106	103	100	92	80	78	106
Carthage *	25	75	76	88	92	94	101	103	101	99	94	82	74	103
Clarksville	19	75	75	87	89	90	98	104	99	97	91	80	73	104
Florence	25	74	75	86	87	91	97	100	100	96	93	78	71	100
Hohenwald	22	76	78	87	92	97	102	104	104	100	96	80	76	104
Johnsonville	15	78	80	89	92	94	101	107	102	102	93	81	72	107
Lewisburg	14	75	74	88	89	95	101	104	101	100	94	78	74	104
Memphis	36	79	79	87	90	96	100	104	102	99	92	82	76	104
Nashville	38	76	77	89	90	93	99	102	104	99	92	81	75	104
Savannah	23	76	77	86	90	95	103	105	104	101	94	82	78	105
Springville	6	79	77	88	89	94	99	101	99	98	92	77	71	101
Trenton	23	76	77	86	90	93	98	102	100	103	92	82	74	103
Tullahoma	20	74	72	86	90	94	97	100	98	97	91	78	70	100
Wildersville	12	72	74	84	87	94	98	100	99	95	90	84	71	100

* Riddleton, from 1883 to 1897, inclusive.

LOWEST TEMPERATURE.

Bolivar	22	−7	−13	17	27	32	43	52	50	34	25	14	−2	−13
Carthage*	25	−17	−18	−4	20	33	41	51	47	36	24	12	−4	−18
Clarksville	19	−6	−14	4	28	32	43	51	50	35	27	14	−5	−14
Florence	25	−7	−16	3	25	34	42	55	54	35	24	15	−3	−16
Hohenwald	22	−12	−23	1	18	27	35	46	43	28	16	9	−6	−23
Johnsonville	15	−11	−23	4	22	34	41	48	50	30	21	11	−8	−23
Lewisburg	14	0	−15	4	23	34	41	53	51	34	23	14	−3	−15
Memphis	36	−8	−9	15	27	40	50	58	53	39	29	16	2	−9
Nashville	38	−10	−13	3	26	37	42	56	51	38	27	10	−2	−13
Savannah	23	−6	−10	6	27	34	45	53	52	33	25	10	0	−10
Springville	6	−2	−8	22	23	34	39	50	47	33	20	13	10	−8
Trenton	23	−12	−29	8	26	36	42	50	48	30	22	14	−4	−29
Tullahoma	20	−14	−22	0	22	30	40	41	48	27	22	13	−5	−22
Wildersville	12	−10	−18	6	28	37	45	52	50	34	27	16	−3	−18

* Riddleton, from 1883 to 1897, inclusive.

AVERAGE HOURLY WIND MOVEMENT (IN MILES).

Stations.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
Memphis	10	10	10	10	8	7	6	6	7	7	8	9	8
Nashville	7	8	8	7	6	5	5	4	5	5	6	7	6

PREVAILING WIND DIRECTION.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Clarksville	14	sw.	n.	s.	s.	sw.	sw.	sw.	s.	s.	sw.	n.	n	sw.
Johnsonville	12	sw	sw.	sw.	s.	sw.	sw.	sw.	sw.	sw.	s.	sw.	sw.	sw.
Memphis	38	nw.	nw.	s.	se.	se.	sw.	sw.	sw.	e.	nw.	se.	nw.	nw.
Nashville	38	nw.	nw.	nw.	nw.	s.	sw.	sw.	nw.	nw.	nw.	nw.	nw.	nw.
Savannah	20	s.	nw.	s.	s.	s.	s.	s.	sw.	w.	nw.	n.	n.	s.
Trenton	20	nw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	s.	s.	sw.	sw.	sw.
Tullahoma	24	s.	n.	s.	s.	s.	s.	s.	s.	s.	n.	s.	n.	s.

MEAN RELATIVE HUMIDITY (PERCENTAGE).

Stations		Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
Memphis	7 a.m.	20	78	77	76	74	78	80	82	83	81	79	79	80	79
	7 p.m.	20	69	66	66	61	64	66	68	70	66	63	62	69	66
Nashville	7 a.m.	20	81	80	77	73	77	78	79	82	83	83	81	81	80
	7 p.m.	20	70	66	62	55	58	61	61	63	61	57	63	69	62

FROST DATA.

Stations.	Length of record, yrs.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Bolivar	14	October 28	April 2	October 11	April 17
Carthage	13	October 24	April 7	October 3	April 18
Clarksville	15	October 28	April 10	October 10	May 1
Florence	10	October 21	April 10	October 1	April 24
Hohenwald	14	October 9	April 19	September 13	May 10
Jackson	10	October 30	April 4	October 12	May 2
Johnsonville	13	October 20	April 10	September 22	April 18
Lynnville	10	October 20	April 8	September 27	April 18
Memphis	38	October 31	March 21	October 2	April 16
Nashville	38	October 26	April 2	October 8	May 14
Savannah	12	October 23	April 7	September 30	April 17
Springville	6	October 13	April 16	October 2	April 18
Trenton	15	October 18	April 5	September 30	April 17
Tullahoma	13	October 18	April 17	September 27	May 14

HYDROGRAPHIC DATA FOR SECTION 77, SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

Compiled from the Records of the United States Geological Survey, by R. H. Bolster, Assistant Engineer.

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director United States Geological Survey, Washington, D.C.

This section comprises the northeastern portion of the Cumberland River drainage, part of the Tennessee River drainage, and in the western portion, eastern tributaries of the Mississippi River.

Cumberland River rises in the eastern part of Kentucky and flows west until it meets the South Fork, which rises in northern Tennessee and flows northward. After this junction the Cumberland turns toward the southwest into Tenness, and after flowing through the north-central part again enters Kentucky, and flowing across that State enters the Ohio River at Smithland, about 15 miles above the mouth of the Tennessee River.

Tennessee River, which is formed by the French Broad and Holston rivers, rises in North Carolina and Virginia, flows in a general southwesterly direction to Guntersville, Alabama. Below this point it flows in a west to northwesterly direction until it reaches the northeastern part of the State of Mississippi; thence bending to the right it returns to the State of Tennessee in a northerly direction and running nearly northwesterly through Kentucky, enters Ohio River at Paducah, Kentucky. Tennessee River is the largest tributary of the Ohio River and is about 800 miles long, excluding the branches. Large steamboats can ascend it to Florence, Alabama, about 270 miles from its mouth. Near Florence the navigation is obstructed by rocky rapids, called Muscle Shoals, above which the river is navigable to Kingston. Since the Civil War the Government has expended large sums for the improvement of the navigation of this river.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: First, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

MONTHLY DISCHARGE OF DUCK RIVER, COLUMBIA, TENN.
For period Nov. 1, 1904-Dec. 31, 1908—Drainage area 1,260 square miles.

MONTH.	DISCHARGE IN SECOND-FEET.				RUN-OFF.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	23,000	310	3,100	2.46	2.84
February	14,900	80	3,180	2.52	2.62
March	19,500	580	3,770	2.99	3.45
April	7.660	250	1,190	.944	1.05
May	25,600	145	2,110	1.67	1.92
June	9,460	100	1,130	.897	1.00
July	8,560	122	1,030	.817	.94
August	2,980	100	547	.434	.50
September	18,000	100	987	.783	.87
October	12,900	80	1,150	.913	1.05
November	11.200	80	740	.587	.65
December	15,300	101	2,170	1.72	1.98
The period	25,600	80	1,760	1.39	18.87

MONTHLY DISCHARGE OF ELK RIVER, ELKMONT, ALA.
For periods July 1-Dec. 24, 1904, and 1905-Jan. 31, 1907—Drainage area 1,700 square miles.

MONTH.	DISCHARGE IN SECOND-FEET.				RUN-OFF.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	34,000	1,040	6,100	3.59	4.14
February	39,100	1,150	6,990	4.11	4.28
March	49,000	1,820	7,360	4.33	4.99
April	16,700	830	2,290	1.35	1.51
May	30,800	548	4,440	2.61	3.01
June	22,500	475	2,370	1.39	1.55
July	31,400	375	1,860	1.09	1.26
August	4,720	338	1,100	.647	.75
September	48,400	165	1,960	1.15	1.28
October	31,800	165	2,220	1.31	1.51
November	11,000	165	1,190	.700	.78
December	29,200	468	4,070	2.39	2.76
The period	48,400	165	3,500	2.06	27.82

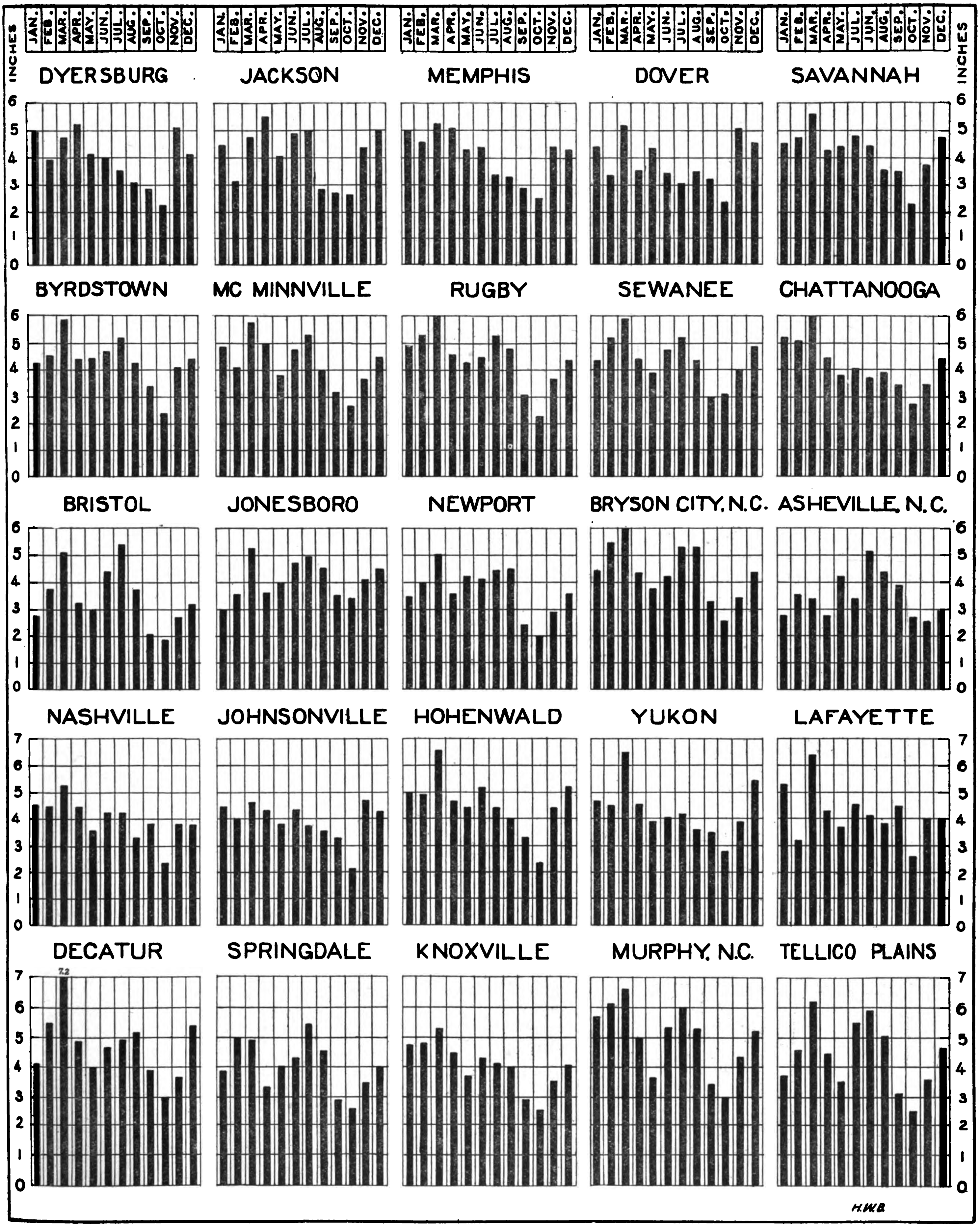


Fig. 1.—Diagram showing the comparative monthly distribution of precipitation.

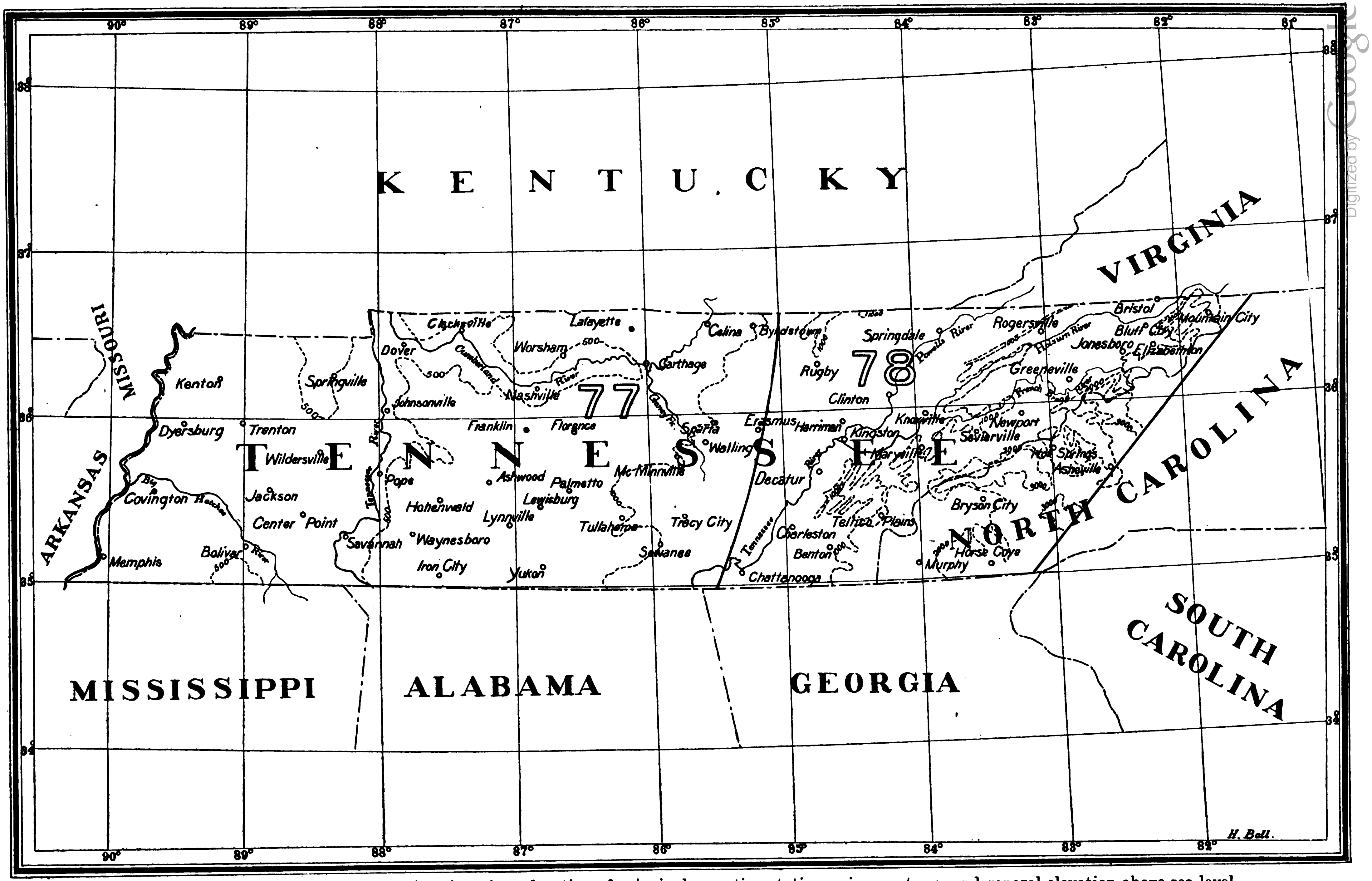


Fig. 2.—Chart showing the boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CHARLES F. MARVIN, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. Day, Climatologist and Chief of Division.

Reprint of Section 78.—EAST TENNESSEE AND WESTERN NORTH CAROLINA.

No section of equal area east of the Rocky Mountains presents a topography more characteristically mountainous than East Tennessee and the mountain section of North Carolina. It may be said that the Appalachian system culminates in the peaks of the Great Smoky and Blue Ridge mountains in this district.

Beginning on the west of the territory under discussion and proceeding eastward, the following well-known subdivisions are included. (1). The Cumberland Table-land of Tennessee, its top being a plateau about 2,000 feet high and 50 miles wide, the section covering an area of about 5,000 square miles. (2). The Valley of East Tennessee, which runs obliquely across the State of Tennessee from northeast to southwest (broken by a series of ridges parallel with the trend of the valley), at an average elevation of 1,000 feet, comprising 9,000 square miles. (3). The Unaka or Great Smoky Mountains, running in a northeast-southwest direction and forming the dividing line between Tennessee and North Carolina, the average elevation being 5,000 feet, while peaks rise to over 6,000 feet; comprising about 2,000 square miles in Tennessee. (4). The mountain section of North Carolina, which is that portion of the State lying between the crest of the Great Smoky Mountains on the west and of the Blue Ridge, a parallel range on the east; comprising 6,000 square miles, at an average elevation of 2,700 feet, but with more than forty peaks rising to 6,000 feet or more above sea-level. The highest mountain east of the Rocky Mountains is Mount Mitchell (6,712 feet), in Yancey County, North Carolina.

In such a country as this, with its numerous mountains, valleys and plateaus, with elevations ranging from six hundred to over six thousand feet above sea-level, local peculiarities of climate are to be expected. There are table-lands and valleys, walled in by mountains, where the topography has a distinct effect upon local rainfall, wind and temperature conditions. This is notably true in the mountain section of North Carolina, where cross chains between the Great Smoky and the Blue Ridge ranges break up the country into many isolated divisions. A more detailed and minute investigation of local climatic conditions than has yet been made would probably afford interesting and valuable information.

The mountains of East Tennessee and western North Carolina are mostly covered with deep soil, and except where cleared, they are well timbered to their tops. Even the tops of the high mountains produce abundant growths of grass. There are large areas of excellent grazing lands in various portions of the section. The chief forest growths are of chestnut, beech, poplar, oak, pine, spruce and balsam.

A great variety of crops thrive in these regions. Staple crops are corn, wheat, tobacco, and vegetables of many kinds. Some portions are peculiarly adapted to fruit raising, apples of very fine quality being produced. Careful investigation would no doubt reveal many localities that are especially favored by local topography and climatic conditions for orchard lands. With this end in view and because of the typical conditions presented, a special investigation is being made of the mountain slopes of North Carolina through the cooperation of the State Horticulturist and the orchard growers. From 3 to 5 instrument shelters with self-recording instruments, including a large number of thermographs, have been installed on 16 selected slopes, ranging in elevation from 1,000 to 4,500 feet.

The Tennessee River furnishes the outlet for practically all the waters of this mountain section and becomes a very important navigable stream in East Tennessee. Its principal tributaries in North Caralina are the Hiwassee, the French Broad, the Pigeon, the Nolichucky and the Watauga rivers. The Clinch, Holston, French Broad and Little Tennessee are important rivers in East Tennessee, being navigable over their lower courses, and also flow into the Tennessee River.

Waterpowers have been developed to some extent, but great possibilities still exist, both in eastern Tennessee and western North Carolina.

CLIMATIC FEATURES.

The most marked effect of the altitude of the section under discussion is shown in the temperature records, the law of decrease of temperature with increase of elevation being clearly illustrated. The annual mean temperature for Erasmus, Tenn., on the Cumberland Plateau, elevation 1,850 feet, is 54°, while that of Trenton, in West Tennessee, elevation 345 feet (in the same latitude as Erasmus), is 59°. The winter mean for Erasmus is 36°, for Trenton, 39°; summer mean for Erasmus, 71°, and for Trenton, 77°. In spring Erasmus is about five degrees cooler and in autumn about four degrees cooler than Trenton. The highest recorded temperature at Erasmus (record for 17 years) is 97°, and at Trenton, for the same period, 103°; the lowest at Erasmus is 30° below zero, and at Trenton, 29° below zero.

At Mountain City, Tenn., elevation 2,486 feet, the annual mean temperature is 52°, while at Clarksville, Tenn., elevation 500 feet (latitude same as Mountain City), the annual mean is 59°.

Linville, N. C., has an elevation of 3,800 feet and an annual mean temperature of 48°, while Tarboro, N. C., with an elevation of 50 feet (same latitude), has an annual mean of 60°.

The station having the highest annual mean temperature in the section under discussion is Chattanooga, Tenn., (latitude 35°, 4', elevation 700 feet), with 60°, while the lowest annual mean is 48°, at Linville, N. C., (latitude 36°, 5', elevation 3,800 feet).

The annual mean for the section as a whole is 50°, which is 3° lower than that for the district comprising Middle and West Tennessee or that for central North Carolina.

The greatest differences between mountain and lowland temperatures occur in summer. The low temperature, pure atmosphere and picturesque scenery of the mountain districts render them exceedingly inviting as places of resort in summer.

At stations of the lower elevations in this section temperatures occasionally rise to 100° (the highest 104°), but at elevations of 2,000 feet and upward they rarely go above 90° to 95°. A temperature as low as 30° below zero has been recorded, but such an extreme is rare. Records in the neighborhood of zero, or slightly below, are comparatively frequent in the mountains during the colder periods of the year.

The first killing frosts of autumn come on an average about October 17 and the average date of the last killing frost in spring is about April 21. Killing frosts have been known to occur as early as September 14 and as late as May 27.

The principal weather changes are produced under the influence of storm centers passing along the Gulf coast, thence up the Atlantic coast, and those passing from Oklahoma northeastward to the Great Lakes. This mountain section, therefore, does not lie within any of the principal storm tracks that cross the country and is not subject to such frequent changes as occur, for example, in the Lake region. But while few areas of low atmospheric pressure, with their attending conditions of storm and rain, pass directly over this section, the average precipitation and the average number of rainy days are somewhat greater than for the western portion of Tennessee, which fact is due to the well-known precipitation-producing effect of mountain masses lying within the sweep of moisture-laden winds.

The rainfall varies according to the location of the station, whether on the windward side of a mountain in relation to the direction of rain-bearing winds, or on the leeward side. Some portions of the region between the Smoky and the Blue Ridge mountains (the Asheville plateau, for example) receive comparatively light precipitation on account of the fact that the prevailing rain-bearing (or southerly) winds must pass over greater mountain heights before reaching these plateaus. The winds thus have their moisture largely condensed on the opposite side of the mountains and reach these rather inclosed areas as comparatively dry winds.

For these reasons the average precipitation at Asheville, N.C., is considerably less than at stations on the outer slopes of the Blue Ridge. Rock House, Macon County, N. C., near the Georgia line, 3,100 feet above sea-level, and situated on the southern slope of the Blue Ridge, receives on an average 82.29 inches of precipitation in the year (a greater amount than is received at any other station in the United States except on the North Pacific coast); it is most favorably located to receive the moisture condensed from southerly winds in their passage over the mountains. Highlands, N.C., at the crest of the Blue Ridge, about six miles northwest of Rock House, receives 78 inches, while Murphy, N. C., 45 miles further northwest, on the opposite side of the mountain, 1,614 feet above sea-level, receives but 60 inches, and Waynesville, N.C., about 30 miles southwest of Asheville, although 2,756 feet above sea-level, is walled in by towering mountains and receives only 47 inches per year.

Similar differences in precipitation occur between stations in upper East Tennessee on account of differences in elevation and topography. The Valley of East Tennessee receives somewhat lighter rainfall than the mountain slopes on either side. This again is due to differences in elevation and exposure to rain-bearing winds.

On an average, 50 inches of precipitation are received annually over the section under discussion. The average annual amounts for individual stations vary from 41 to 82 inches. Few stations, however, receive more than 60 inches. The rainfall is distributed through the year as follows: In the winter season, 13 inches; spring, 14 inches; summer, 14 inches; autumn, 9 inches.

The following information relative to excessive rainfall has been compiled for the regular Weather Bureau stations: Asheville, N. C. (record for 11 years), 2.50 inches or more of precipitation within 24 consecutive hours occurred 12 times; 3.00 inches or more, 5 times; greatest 24-hour rainfall, 5.76 inches. Chattanooga, Tenn. (record 35 years), 2,50 inches or more within 24 consecutive hours 78 times; 3.00 inches or more, 34 times; 4.00 inches or more, 5 times; 5.00 inches or more, 2 times; 6.00 inches or more, 2 times; greatest 24-hour rainfall, 7.61 inches; greatest 1-hour rainfall, 3.34 inches. Knoxville, Tenn. (record 43 years), 2.50 inches or more within 24 consecutive hours occurred 57 times; 3.00 inches or more, 22 times; 4.00 inches or more, 4 times; 5.00 inches or more, 2 times; greatest 24-hour rainfall, 5.68 inches; greatest 1-hour rainfall, 2.04 inches.

On an average, clear skies prevail in this section on about 127 days in the year; partly cloudy on 125 and cloudy on 113. The annual number of days with rain is 119.

The average annual snowfall is 13 inches. The greatest average annual amount is 25 inches, at Linville, N. C., and the least, 6.9 inches, at Chattanooga, Tenn.

Thunderstorms occur frequently during the spring and summer months. Tornadoes are practically unknown in this section, except at low latitudes in the southern portions, and they very rarely occur in these localities.

The distribution of precipitation is shown in detail in the following tables. The general climatic features are given for selected stations, which fairly represent the whole section.

ROSCOE NUNN,
SECTION DIRECTOR.

Precipitation in East Tennessee and western North Carolina. Monthly, annual and average amounts (in inches and hundredths).

[Figures in bold-faced type estimated from surrounding stations.]

BENTON,* POLK COUNTY, TENN.—Elevation 880 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1883.	......	......	4.02	7.72	1.93	3.59	3.01	......	2.86	2.07	5.96	3.35	......
1884.	5.72	8.97	9.41	7.70	3.42	9.46	3.24	1.92	......	1.38	1.70	6.71	......
1885.	7.61	2.93	2.49	1.92	5.95	......	4.59	3.41	5.75	6.88	4.75	4.92	......
1886.	6.15	2.76	10.72	3.38	5.69	8.55	4.24	4.43	1.98	0.73	4.36	3.57	56.56
1887.	4.68	5.71	3.38	3.09	......	4.70	4.45	3.38	1.82	......	0.00	3.33	......
1888.	4.65	3.49	5.40	2.01	5.10	3.96	......	4.37	5.38	4.49	3.01	1.40	......
1889.	5.08	4.27	1.67	1.98	3.36	7.66	3.96	2.32	3.31	1.56	3.50	1.02	39.64
1890.	4.26	8.32	5.88	3.90	6.24	4.16	4.01	5.08	4.54	4.20	0.00	3.11	53.65
1891.	6.89	9.35	8.14	0.81	1.06	7.95	7.72	5.03	3.07	T.	3.48	2.74	56.23
1892.	8.72	2.86	3.69	6.68	3.44	3.91	3.94	5.01	0.82	0.00	6.83	3.67	51.12
1893.	1.65	5.85	1.65	3.62	8.03	4.83	2.16	3.48	3.60	0.71	1.25	3.97	40.80
1894.	4.06	4.74	2.98	2.63	2.79	1.81	4.01	2.94	0.57	2.82	0.55	6.85	36.75
1895.	8.91	2.90	4.48	3.77	3.90	4.57	......	......	......	......	......	......	......
1896.	1.50	3.04	4.15	2.43	3.14	5.58	6.82	2.56	3.50	1.48	5.89	0.69	40.78
1897.	1.96	4.72	13.98	4.39	2.24	3.87	5.53	3.27	0.36	2.90	0.91	5.63	49.76
1898.	4.98	0.70	4.63	4.60	0.67	4.14	7.69	2.71	5.44	5.67	2.16	2.76	46.15
1899.	2.66	5.79	17.06	3.63	3.43	1.19	......	2.50	0.59	2.84	1.64	3.75	......
1900.	4.87	5.60	5.96	5.37	3.12	10.82	1.48	1.75	4.06	3.95	5.89	4.30	56.17
1901.	6.31	1.56	8.03	7.26	8.60	2.72	2.15	11.21	3.76	1.62	1.92	10.61	65.75
1902.	4.01	4.95	5.86	2.50	2.07	5.14	......	......	6.06	2.75	4.13	3.97	......
1903.	2.93	10.39	8.74	5.89	2.44	9.43	6.19	3.79	0.77	2.80	4.15	2.00	59.53
1904.	......	......	......	......	3.43	2.97	3.14	7.25	0.27	0.05	3.49	5.41	......
1905.	3.38	8.65	2.69	5.52	4.93	5.73	2.93	5.99	2.34	4.52	1.15	7.21	55.04
1906.	5.01	0.65	5.59	2.29	2.22	8.04	10.41	5.33	4.89	3.97	4.93	4.34	57.67
1907.	1.17	4.52	3.19	3.67	5.51	9.23	4.08	4.11	7.73	1.30	4.87	3.18	52.56
1908.	4.07	3.91	3.41	4.71	3.05	2.19	5.04	3.75	1.47	1.89	1.30	7.64	42.43
1909.	5.10	6.35	6.75	6.13	8.68	11.21	3.71	1.85	2.95	4.50	1.76	3.40	62.39
1910.	3.80	4.01	0.83	4.32	9.14	7.57	7.29	4.97	0.98	2.04	2.07	4.42	51.44
1911.	5.98	5.17	2.90	7.28	3.63	2.28	7.90	2.45	4.95	4.34	4.73	6.57	58.13
1912.	3.59	5.06	8.16	6.35	3.81	7.36	3.58	3.67	3.47	1.95	1.88	5.61	54.49
1913.	8.64	5.89	8.11	2.09	4.96	2.89	3.42	1.51	2.82	1.65	0.75	4.98	47.71
Mns.	4.75	4.98	5.80	4.25	4.20	5.57	4.69	3.98	3.11	2.59	2.97	4.37	51.16

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* From September 1883 to June 1895, record was made at Parksville, 6 miles south of Benton.

BIRD'S BRIDGE, GREENE COUNTY, TENN.—Elevation 1,300 feet.

1906.	......	......	......	......	......	......	......	......	......	......	......	4.33	......
1907.	1.12	2.08	2.73	4.17	2.80	7.38	4.90	5.11	6.52	1.28	3.88	3.09	45.06
1908.	5.27	2.13	4.63	3.64	4.02	3.74	4.01	5.99	1.54	5.64	1.65	6.18	48.44
1909.	2.66	5.07	5.76	2.75	5.14	6.57	3.40	4.95	3.26	2.71	0.38	1.59	44.24
1910.	3.18	2.29	1.55	3.96	3.64	2.80	9.68	4.47	4.92	1.90	1.43	3.67	43.49
1911.	3.35	3.01	5.15	5.43	1.09	1.98	5.68	3.54	2.40	3.75	3.10	2.80	41.28
1912.	1.78	2.95	4.16	7.72	4.97	4.91	6.40	2.96	3.42	1.09	1.98	2.45	44.74
1913.	5.08	3.33	7.26	2.32	6.55	3.98	3.76	1.93	3.90	2.07	1.61	1.87	43.66
Mns.	3.31	2.98	4.46	4.28	4.08	4.48	5.40	4.14	3.71	2.63	2.00	3.25	44.67

BLUFF CITY, SULLIVAN COUNTY, TENN.—Elevation 1,400 feet.

1895.	......	......	......	......	......	......	......	......	......	......	......	2.20	......
1896.	0.72	3.48	5.53	......	......	......	......	......	......	......	......	1.30	......
1897.	2.28	6.51	8.35	......	......	......	5.44	1.11	2.07	0.98	1.42	3.77	......
1898.	4.12	0.81	4.40	3.27	3.12	4.60	6.25	4.56	3.04	4.80	2.32	1.39	42.68
1899.	2.74	7.21	7.90	2.70	5.53	5.63	4.84	3.02	4.53	0.94	1.65	2.10	48.79
1900.	1.31	3.89	4.94	2.19	2.19	4.02	4.95	2.88	3.16	1.55	3.88	2.65	37.61
1901.	3.06	1.10	3.28	3.32	6.47	6.74	4.41	9.40	2.65	1.98	1.10	8.00	51.51
1902.	3.04	5.05	3.80	1.66	2.07	8.02	3.38	2.70	3.18	2.27	2.22	2.64	40.03
1903.	1.55	6.07	4.56	5.18	0.86	1.84	3.85	5.80	0.31	1.37	3.25	1.64	35.78
1904.	2.24	2.69	5.16	2.48	2.24	3.66	3.13	3.27	1.33	T.	3.80	3.52	33.52
1905.	2.36	4.39	3.22	3.30	3.53	2.61	5.75	4.50	2.49	2.80	1.06	4.58	40.59
1906.	4.96	1.13	3.14	2.78	3.10	3.92	8.85	4.29	2.78	2.64	3.85	3.39	44.83
1907.	1.50	2.79	3.08	3.60	2.67	7.02	4.24	4.80	6.06	2.00	4.58	3.04	45.33
1908.	3.04	2.36	5.20	4.38	4.12	4.04	4.72	3.96	0.26	3.44	1.97	5.70	43.19
1909.	2.38	2.70	4.56	2.98	6.08	5.06	3.44	2.85	3.32	2.14	0.16	2.12	37.79
1910.	3.77	1.90	1.46	2.82	3.42	3.94	6.62	4.60	4.69	2.16	1.66	2.68	39.72
1911.	4.18	3.20	4.56	4.69	1.20	3.32	3.43	2.13	2.29	5.50	3.72	3.34	41.51
1912.	2.70	3.06	6.08	6.14	5.31	4.31	5.67	3.31	3.89	1.96	2.16	2.77	47.36
1913.	4.75	3.60	6.77	3.07	6.56	3.71	2.20	5.13	4.00	1.40	1.93	1.93	45.05
Mns.	2.81	3.44	4.77	3.41	3.65	4.53	4.77	3.99	2.94	2.23	2.39	3.09	42.02

BRISTOL, SULLIVAN COUNTY, TENN.—Elevation 1,676 feet.

1894.	2.43	2.42	1.77	1.80	3.75	3.18	3.63	7.06	3.35	1.57	1.17	3.70	35.83
1895.	5.59	1.93	4.00	1.63	3.22	3.48	7.06	5.21	0.05	2.06	2.36	1.59	38.18
1896.	1.59	2.51	7.87	1.94	3.00	4.23	7.74	7.63	3.17	1.05	5.47	1.60	47.80
1897.	2.37	9.20	8.28	3.39	3.37	4.07	6.13	3.18	0.66	1.25	0.69	3.94	46.33
1898.	4.02	0.97	4.64	2.88	3.93	3.49	5.70	4.17	5.59	5.04	2.32	1.44	44.19
1899.	3.02	4.91	9.01	2.37	3.80	2.83	5.07	2.18	2.93	1.22	1.28	2.56	41.18
1900.	1.37	3.28	5.04	1.35	1.53	2.26	6.28	2.98	3.02	1.60	3.56	1.88	34.15
1901.	2.20	1.61	3.48	3.58	6.16	8.18	7.14	8.55	2.00	2.30	0.97	8.07	54.24
1902.	2.77	4.94	3.88	0.97	1.68	7.72	2.05	3.55	2.84	2.14	2.55	2.11	37.20
1903.	2.86	6.32	4.12	5.14	1.00	1.70	7.92	1.55	0.55	1.45	3.65	1.75	38.01
1904.	1.87	1.56	3.10	2.47	2.23	4.68	3.98	3.09	T.	T.	3.91	3.80	30.69
1905.	2.60	4.73	2.79	3.07	2.20	2.42	7.62	3.10	0.60	4.22	1.07	3.37	37.79
1906.	4.26	1.00	3.24	2.55	3.40	6.07	5.64	4.86	3.72	2.65	4.55	3.84	45.79
1907.	1.92	2.20	3.88	3.71	1.95	5.73	5.09	2.67	3.85	1.27	4.72	3.35	40.34
1908.	3.00	3.34	3.65	4.83	4.55	4.55	4.37	3.05	1.90	2.25	2.60	6.09	44.18
Mns.	2.79	3.39	4.58	2.78	3.06	4.31	5.69	4.19	2.28	2.00	2.72	3.27	41.06

CHARLESTON, BRADLEY COUNTY, TENN.—Elevation 709 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1884.	......	......	......	......	......	......	......	......	......	......	......	6.93	......
1885.	9.66	3.83	2.42	......	......	......	......	......	......	......	......	4.52	......
1886.	8.12	3.81	12.84	......	......	......	......	......	......	......	......	1.58	......
1887.	6.01	7.26	3.69	......	......	......	......	......	......	......	......	3.93	......
1888.	6.72	4.90	5.67	......	......	......	......	......	......	......	......	1.58	......
1889.	5.37	4.71	2.37	**2.30**	**4.10**	**5.60**	4.44	3.69	7.37	2.33	7.51	0.96	50.75
1890.	4.55	9.20	5.08	4.15	5.54	5.12	6.99	5.45	5.25	5.28	0.37	4.88	61.76
1891.	5.87	9.87	9.73	1.79	0.84	6.69	5.20	3.85	2.09	0.46	5.01	3.86	55.26
1892.	7.94	2.94	3.87	9.98	4.55	7.17	6.82	2.81	5.51	0.44	7.10	4.04	63.12
1893.	1.87	6.09	2.43	5.10	9.26	6.45	1.67	1.76	3.21	1.12	1.77	3.14	43.87
1894.	5.21	5.81	3.85	2.47	......	......	......	......	......	......	......	6.78	......
1895.	8.08	1.91	6.38	......	......	......	......	......	......	......	......	2.98	......
1896.	2.65	5.17	3.84	......	......	......	......	......	......	......	......	0.86	......
1897.	2.27	6.00	11.97	......	......	......	......	......	......	......	1.98	7.92	......
1898.	5.89	0.86	4.07	4.68	......	......	......	......	......	......	2.91	2.37	......
1899.	4.75	9.11	13.70	4.48	......	......	......	......	......	......	1.70	4.02	......
1900.	3.70	5.60	6.21	6.31	......	......	......	......	......	......	6.08	3.44	......
1901.	6.16	1.77	7.89	7.69	......	1.79	......	......	......	......	2.21	9.69	......
1902.	3.71	4.79	6.56	2.66	......	6.23	......	......	......	......	3.17	4.58	......
1903.	3.03	9.65	8.66	6.95	......	......	4.00	4.06	0.12	3.14	3.46	2.04	......
1904.	2.34	3.02	6.28	1.60	3.40	3.78	2.84	4.96	1.08	0.06	3.04	4.49	36.89
1905.	3.63	8.57	3.10	4.00	3.81	7.78	3.53	6.26	2.44	4.33	0.68	7.22	55.36
1906.	4.42	0.98	5.60	3.62	1.26	7.12	9.23	6.11	5.18	6.54	3.83	3.89	57.73
1907.	1.24	4.80	5.63	6.80	5.73	3.53	4.64	2.90	7.62	1.38	5.75	4.02	54.04
1908.	3.38	6.27	3.97	4.66	1.67	1.73	5.66	5.98	1.46	0.99	1.49	7.04	44.30
1909.	4.06	8.50	7.54	5.09	10.53	13.83	6.29	2.58	2.49	3.73	0.70	4.89	70.23
1910.	3.55	3.83	1.10	3.35	7.83	7.87	8.17	3.40	2.70	1.21	0.31	4.79	48.11
1911.	5.79	4.17	3.19	8.35	2.55	5.52	5.47	2.45	4.31	5.56	5.11	7.86	60.33
1912.	4.43	4.02	9.00	8.29	3.39	5.78	2.84	3.49	4.16	3.78	1.61	7.75	58.54
1913.	7.21	5.85	7.89	2.12	3.33	3.63	2.24	1.57	3.12	1.54	0.57	6.06	45.13
Mns.	4.88	5.28	6.02	4.73	4.52	5.86	5.00	3.83	3.63	2.62	3.02	4.60	53.99

CHATTANOOGA, HAMILTON COUNTY, TENN.—Elevation 849 feet.

1879.	8.48	5.85	3.27	3.02	1.51	1.69	5.17	4.78	2.54	4.36	2.89	8.47	52.08
1880.	4.48	2.75	12.16	10.37	6.21	2.37	5.13	3.33	5.20	1.69	8.82	5.46	67.97
1881.	4.70	6.19	6.85	4.56	4.46	5.24	2.09	2.95	5.74	5.07	4.29	8.83	60.97
1882.	14.74	7.24	4.56	4.61	4.46	4.97	2.52	6.68	3.57	2.74	3.31	2.61	61.96
1883.	9.31	3.34	4.95	6.55	2.45	2.25	2.06	5.31	3.40	3.98	6.79	3.82	54.16
1884.	5.88	8.81	10.19	5.95	2.22	9.20	4.79	2.54	2.00	1.83	1.75	6.80	61.96
1885.	8.49	3.50	1.79	1.60	5.12	6.09	4.86	4.06	6.48	5.03	6.18	3.41	56.61
1886.	6.78	3.28	12.77	4.52	5.63	7.84	2.85	3.96	1.11	1.28	5.42	3.09	58.53
1887.	5.60	7.16	4.52	3.06	6.57	2.18	5.30	3.13	3.60	3.41	1.08	5.46	51.07
1888.	6.79	4.92	6.86	4.43	4.91	3.31	2.07	5.34	4.42	5.17	4.66	1.99	54.87
1889.	5.31	5.10	3.71	3.21	4.59	4.16	3.33	3.77	7.87	1.38	6.44	0.44	49.31
1890.	4.68	7.85	4.78	3.94	3.95	3.12	4.43	5.15	7.10	4.13	0.16	3.13	52.42
1891.	6.31	10.30	9.16	2.42	1.39	7.58	6.18	3.17	2.06	0.29	4.49	5.38	58.73
1892.	7.39	3.61	3.35	8.28	3.29	8.32	6.40	5.61	5.42	0.20	6.32	4.49	62.68
1893.	2.39	8.02	2.55	5.88	8.35	6.31	1.24	4.18	2.19	0.98	1.91	3.46	47.46
1894.	4.63	5.22	4.61	2.00	1.53	1.77	3.66	2.96	1.67	2.18	0.54	6.45	37.22
1895.	6.56	2.14	5.86	3.64	3.52	5.69	6.71	4.40	1.00	2.00	1.71	3.11	46.36
1896.	2.90	4.84	3.21	3.31	3.76	2.64	5.80	1.90	2.01	1.06	5.51	0.83	37.77
1897.	3.06	5.52	11.22	4.18	3.26	1.03	3.43	2.10	0.07	3.33	1.18	6.91	45.29
1898.	5.38	0.68	2.68	4.83	0.61	4.05	6.48	0.83	6.50	4.08	2.31	2.04	40.47
1899.	4.82	6.81	14.05	6.07	1.73	2.40	2.27	2.39	1.42	2.92	3.19	6.11	54.18
1900.	4.12	5.17	5.21	7.77	1.41	6.25	1.37	2.16	1.66	5.50	3.59	2.57	46.78
1901.	5.30	1.71	8.46	5.36	6.08	1.24	2.02	9.67	3.77	0.66	1.10	8.07	53.44
1902.	3.48	3.54	5.16	1.65	2.19	1.33	0.67	1.31	3.59	2.47	3.90	3.61	32.90
1903.	2.16	8.86	6.22	3.51	5.83	3.90	2.03	3.15	0.60	3.44	3.56	1.91	45.17
1904.	2.58	2.08	5.81	1.67	2.76	1.92	2.09	5.08	1.07	0.46	3.09	4.12	32.68
1905.	2.69	7.72	2.94	2.83	6.57	4.59	2.39	2.46	1.67	4.66	0.87	6.29	45.68
1906.	3.32	1.40	4.84	2.57	1.96	4.61	8.50	3.20	5.48	4.59	2.96	3.75	47.58
1907.	1.33	3.32	3.36	3.82	5.50	4.43	2.11	3.74	5.90	1.16	4.00	3.70	42.37
1908.	3.64	4.90	3.35	5.17	1.94	0.89	2.43	7.04	3.72	1.78	0.69	6.67	42.17
1909.	3.44	7.06	6.74	6.22	3.62	7.01	4.61	1.19	4.44	3.28	1.05	5.39	54.05
1910.	3.28	4.23	0.93	3.30	8.08	6.65	4.06	1.09	1.89	2.29	1.54	5.00	42.34
1911.	6.52	4.41	2,79	15.29	1.81	3.16	5.40	3.02	2.97	4.87	4.23	8.67	63.14
1912.	3.94	5.04	9.31	9.55	4.49	5.75	5.81	8.88	2.36	1.96	0.64	7.26	64.99
1913.	7.13	5.29	6.74	1.58	4.30	4.18	4.40	2.35	3.74	2.59	2.41	3.43	48.09
Mns.	5.19	5.08	5.86	4.76	3.89	4.23	3.86	3.79	3.38	2.76	3.22	4.65	50.67

CLINTON, ANDERSON COUNTY, TENN.—Elevation 800 feet.

1884.	......	......	......	......	......	......	......	......	......	......	......	5.34	......
1885.	10.08	3.17	1.77	......	......	......	......	......	......	......	......	5.45	......
1886.	6.03	3.92	12.95	......	......	......	......	......	......	......	......	4.02	......
1887.	5.66	9.04	3.76	......	......	......	......	......	......	......	......	4.30	......
1888.	8.86	4.97	6.95	......	......	......	......	......	......	......	......	1.98	......
1889.	4.86	5.60	2.15	**2.60**	**4.60**	**6.60**	7.28	7.35	9.91	1.35	7.61	1.42	60.93
1890.	4.67	9.83	6.35	3.79	6.71	4.35	3.65	3.31	5.57	4.38	0.30	5.74	58.65
1891.	5.44	10.20	9.78	1.97	2.14	4.18	3.48	5.80	0.81	0.88	4.47	5.58	54.73
1892.	7.00	3.44	4.03	7.98	3.04	7.95	6.28	3.35	1.49	......	......	3.41	......
1893.	1.70	7.66	2.95	4.79	6.67	7.08	4.03	1.79	2.12	1.85	1.84	3.04	45.47
1894.	4.21	7.34	3.14	2.79	3.19	1.48	4.45	1.95	0.33	1.87	1.00	7.52	38.27
1895.	7.84	2.05	4.92	3.96	3.50	3.55	5.03	4.29	0.65	1.45	2.03	3.74	43.01
1896.	1.87	6.32	6.27	2.88	1.79	6.70	15.72	0.15	2.25	2.07	7.41	0.67	54.10
1897.	3.20	7.42	11.62	7.57	4.59	3.88	5.39	4.85	0.35	2.05	1.95	5.51	58.38
1898.	8.00	0.86	4.01	3.27	1.77	2.15	5.64	6.63	6.91	4.63	3.19	1.98	49.04
1899.	4.64	8.10	11.73	4.71	1.94	5.36	6.53	1.04	1.03	3.95	1.14	2.51	52.68
1900.	2.44	6.46	5.23	3.72	0.93	9.23	5.34	0.74	2.87	3.00	6.01	2.75	48.72
1901.	3.45	1.45	5.31	6.75	3.86	7.28	0.23	18.23	2.87	0.84	1.17	10.58	57.02
1902.	4.80	3.05	7.47	1.48	2.43	5.46	3.30	1.10	5.23	0.75	5.00	4.32	44.39
1903.	3.60	9.80	7.60	8.42	3.69	6.08	4.26	3.56	0.18	3.65	5.14	3.20	59.18
1904.	3.36	4.00	6.98	2.38	3.82	1.46	3.60	5.46	1.07	T.	2.90	6.67	41.70
1905.	2.88	5.40	3.90	4.06	5.85	3.64	4.91	7.38	0.50	3.60	0.93	4.80	47.85
1906.	4.95	2.30	4.45	1.95	8.73	3.03	10.50	6.01	2.99	4.10	3.95	5.90	53.86
1907.	1.71	5.15	5.50	4.50	3.45	5.80	3.73	4.84	8.51	1.13	6.38	4.82	55.52
1908.	3.30	5.81	3.44	3.93	2.01	4.07	6.36	4.81	1.50	2.15	1.87	6.90	45.15
1909.	4.05	7.40	7.54	5.14	4.68	8.23	11.93	5.25	1.63	2.39	2.23	2.95	63.42
1910.	5.35	4.40	0.83	4.88	6.63	5.39	5.48	3.13	3.00	1.05	1.27	5.23	46.64

CLINTON—Continued.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1911.	6.23	5.38	5.50	9.70	1.20	2.20	2.52	2.65	1.59	4.75	3.94	6.35	52.01
1912.	2.89	4.12	7.45	9.34	4.01	3.66	2.82	2.28	2.85	0.69	2.01	6.82	48.94
1913.	10.35	5.06	5.97	2.15	3.82	2.04	3.84	1.68	3.12	1.68	1.43	3.88	45.02
Mns.	4.94	5.51	5.75	4.59	3.61	4.81	5.41	4.10	2.77	2.26	3.13	4.58	51.46

DANDRIDGE, JEFFERSON COUNTY, TENN.—Elevation 1,050 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1905.	......	4.66	2.88	3.98	5.24	3.46	4.00	......	......	......	......	5.06	......
1906.	4.17	1.46	4.15	2.34	3.72	2.96	5.80	......	......	......	......	4.22	......
1907.	1.08	3.09	4.54	3.89	2.52	5.80	3.08	3.76	5.41	1.36	5.16	4.02	43.71
1908.	3.24	2.83	4.00	2.24	2.02	2.32	4.64	5.38	1.73	4.28	2.26	6.02	40.96
1909.	2.80	5.06	5.72	3.38	4.05	6.60	5.59	2.40	1.40	2.62	0.46	1.90	41.98
1910.	3.36	2.76	1.58	3.74	6.24	3.46	4.86	5.78	2.52	2.32	1.50	4.30	42.42
1911.	4.56	3.92	5.76	6.12	2.04	1.92	4.02	1.10	2.12	3.90	4.14	3.88	43.48
1912.	2.18	3.06	6.10	6.61	5.20	6.76	4.60	2.50	2.90	1.84	1.44	4.30	47.49
1913.	6.84	4.06	4.64	3.64	4.78	2.24	0.90	0.72	3.66	2.72	1.12	3.04	38.36
Mns.	3.53	3.43	4.37	3.99	3.98	3.95	4.17	3.09	2.82	2.72	2.30	4.08	42.43

DECATUR, MEIGS COUNTY, TENN.—Elevation 850 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1895.	......	......	......	......	......	......	......	......	......	......	......	3.52	......
1896.	2.39	5.83	5.99	5.50	3.93	4.09	7.67	1.68	5.47	0.96	7.59	0.78	51.87
1897.	2.98	5.62	11.97	8.55	6.89	3.52	6.05	4.04	0.38	3.60	2.37	7.30	63.27
1898.	8.62	0.97	4.67	6.46	0.62	4.35	6.98	4.27	7.01	5.38	3.15	2.86	55.34
1899.	4.41	7.53	12.17	4.48	4.41	4.88	4.49	2.23	2.65	3.41	2.28	5.06	58.00
1900.	3.99	6.78	3.54	5.13	1.50	7.35	3.27	......	2.20	5.52	4.88	2.81	......
1901.	4.99	1.87	6.00	6.76	7.17	2.21	0.67	16.72	4.72	0.63	1.79	12.63	66.16
1902.	3.78	4.63	7.07	2.33	3.35	2.50	3.93	1.32	5.69	3.01	5.18	6.44	49.23
1903.	3.83	15.11	12.12	6.58	4.43	6.58	5.50	5.43	0.18	4.10	4.12	2.68	70.66
1904.	3.16	3.28	7.10	2.07	4.77	2.59	2.56	2.29	2.31	0.05	4.09	5.40	39.67
1905.	3.86	7.88	5.27	4.37	5.88	9.73	3.76	7.35	1.27	5.70	1.02	7.47	63.56
1906.	4.60	1.88	6.59	2.83	2.22	5.82	10.58	3.85	9.18	4.01	3.13	4.70	59.39
1907.	1.89	4.57	6.65	4.97	4.79	5.03	3.73	5.97	8.13	1.52	6.40	5.11	58.76
1908.	4.65	5.21	3.99	4.24	3.86	2.54	4.09	6.62	1.69	1.09	1.47	8.26	47.71
1909.	3.50	9.90	5.98	7.34	6.36	9.97	7.49	3.54	2.80	3.11	0.96	3.85	64.80
1910.	4.21	4.33	1.04	3.80	7.37	6.55	5.30	3.48	2.02	1.80	1.16	6.55	47.61
1911.	6.99	4.24	2.92	10.39	2.39	4.53	7.24	3.15	1.94	5.35	5.00	7.49	61.63
1912.	3.99	4.34	10.12	8.74	3.97	5.22	5.53	2.72	2.74	1.21	1.14	7.37	57.09
1913.	9.39	4.59	8.46	1.42	3.29	2.85	4.49	1.19	3.69	2.37	1.22	5.51	48.47
Mns.	4.51	5.48	6.76	5.33	4.29	5.02	5.18	4.46	3.56	2.93	3.16	5.57	56.25

ELIZABETHTON, CARTER COUNTY, TENN.—Elevation 1,575 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1869.	4.80	2.70	2.95	3.25	6.80	5.90	3.90	3.89	2.25	3.70	2.72	3.60	46.46
1870.	2.65	3.22	3.40	4.90	4.45	14.17	2.71	4.09	2.10	3.17	1.45	2.15	48.46
1871.	1.70	2.85	4.25	5.91	......	4.25	3.19	2.65	1.02	2.31	3.35	0.95	......
1872.	1.96	1.42	2.75	5.63	5.63	16.38	1.10	5.17	2.55	2.36	0.88	9.87	55.70
1873.	3.83	5.54	3.33	1.68	4.83	......	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1895.	......	......	......	2.37	3.92	3.32	9.54	2.89	0.64	1.88	1.99	1.95	......
1896.	0.46	2.61	4.42	3.09	3.34	7.87	10.56	0.89	4.31	1.27	4.67	1.56	45.05
1897.	2.31	6.63	8.06	2.84	4.34	5.60	6.62	3.06	2.71	1.19	1.72	3.23	48.31
1898.	5.13	1.04	5.09	4.35	3.89	5.66	4.44	3.98	4.27	3.16	2.22	1.23	44.46
1899.	3.13	6.07	10.72	2.08	4.86	2.75	3.58	3.03	3.07	1.23	1.88	2.54	44.94
1900.	2.23	3.70	3.98	1.14	1.16	4.41	3.94	4.40	3.05	2.55	3.81	3.31	37.68
1901.	3.81	1.19	3.26	5.27	7.36	8.34	1.66	12.14	1.36	2.05	0.85	6.74	54.03
1902.	2.85	4.76	3.55	2.05	1.87	8.19	4.40	3.06	5.43	2.03	2.99	1.57	42.75
1903.	1.71	6.19	4.77	4.63	3.30	2.45	4.02	4.48	0.30	1.68	3.37	1.56	38.46
1904.	2.06	3.28	6.07	2.64	3.71	3.68	2.05	4.75	1.26	0.02	2.13	4.72	36.37
1905.	2.91	3.73	2.30	3.39	4.27	2.42	4.46	4.73	1.85	2.54	1.05	3.12	36.77
1906.	3.93	0.48	2.46	1.22	3.43	6.22	4.80	8.12	3.42	1.46	1.83	3.66	41.03
1907.	......	......	......	......	......	......	......	......	......	......	......	......	......
1908.	4.39	2.80	4.49	5.46	5.60	4.83	7.42	4.07	1.32	2.92	2.11	4.38	49.29
1909.	2.21	3.18	4.03	2.62	3.62	6.51	2.63	2.80	3.90	2.66	0.95	1.48	36.59
1910.	......	2.07	1.41	2.98	3.10	5.13	7.87	3.34	5.88	1.52	1.40	3.40	......
1911.	3.57	4.07	4.55	3.64	1.22	3.50	1.79	2.65	2.26	4.83	1.87	2.05	36.00
1912.	3.89	2.39	4.60	6.05	3.95	3.80	6.83	3.23	3.28	1.78	0.81	2.11	42.72
1913.	5.35	3.60	7.15	3.25	6.40	2.20	3.68	6.08	3.85	1.54	2.05	1.33	46.48
Mns.	3.09	3.34	4.44	3.50	4.14	5.78	4.60	4.25	2.73	2.18	2.10	3.02	43.17

GREENEVILLE, GREENE COUNTY, TENN—Elevation 1,581 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1867.	0.20	......	......	......	......	......	......	......	......	......	......	......	......
1868.	......	......	......	......	......	......	2.95	......	......	......	......	0.90	......
1869.	......	......	......	3.50	0.70	3.90	1.00	1.00	0.70	2.70	1.50	3.40	......
1870.	2.10	1.90	2.80	2.10	......	......	0.60	......	......	......	......	......	......
1871.	......	2.50	3.40	4.80	2.20	1.30	1.80	......	......	......	1.80	0.90	......
1872.	2.13	......	......	0.70	2.40	......	......	......	......	1.20	......	4.43	......
1873.	1.50	......	......	0.60	3.40	......	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1883.	......	......	......	6.70	1.20	4.50	3.10	......	1.24	4.10	2.10	1.90	......
1884.	8.40	5.90	8.00	3.80	2.70	3.84	3.40	5.50	T.	0.90	0.30	2.50	44.50
1885.	3.30	2.80	4.30	1.80	5.70	4.90	5.10	1.50	1.70	4.60	2.78	1.46	39.94
1886.	2.13	0.79	6.53	6.25	7.80	12.20	8.12	2.10	1.30	3.90	4.90	3.39	59.41
1887.	2.90	5.65	2.88	4.08	3.40	1.61	8.54	3.61	1.34	3.20	0.75	2.92	35.88
1888.	4.71	2.84	3.42	2.25	4.50	2.25	2.40	4.24	3.58	5.40	2.35	1.88	39.82
1889.	3.40	2.43	2.18	1.88	3.41	6.29	5.45	2.66	2.06	1.50	3.32	1.52	36.10
1890.	2.90	7.18	5.69	3.56	5.80	4.03	7.02	7.03	3.78	4.23	0.15	3.71	55.08
1891.	3.50	7.44	5.88	2.09	2.76	3.06	4.86	10.04	1.03	1.12	2.42	3.66	47.36
1892.	5.93	2.40	2.88	4.94	3.83	6.96	6.07	2.79	1.78	0.97	6.18	2.45	47.18
1893.	2.02	7.15	2.79	3.65	6.60	3.69	4.38	4.85	3.37	3.49	1.66	2.33	45.98
1894.	3.21	6.41	1.73	2.54	4.54	4.13	3.20	6.66	1.88	2.17	0.37	3.70	40.54
1895.	4.93	1.97	5.64	2.35	3.77	2.33	6.15	2.96	3.29	1.83	2.11	3.05	40.38
1896.	1.20	4.83	5.08	4.32	3.80	6.82	11.85	2.36	3.38	1.18	5.51	1.41	51.24
1897.	2.42	4.68	10.52	3.07	4.95	7.39	3.54	2.35	1.20	1.70	1.46	4.15	47.43
1898.	6.12	0.66	5.57	3.04	2.70	2.63	2.80	5.51	3.56	3.68	2.57	1.33	40.17
1899.	3.10	6.62	10.51	2.83	4.30	2.55	3.17	3.03	5.00	2.12	1.44	3.82	47.99

GREENEVILLE—Continued.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1900.	2.04	3.77	4.85	2.13	2.33	7.29	4.42	3.50	2.25	1.37	4.10	3.11	41.16
1901.	4.45	1.22	4.82	5.18	6.29	3.70	3.60	14.07	1.80	1.99	1.23	9.51	57,86
1902.	3.19	4.12	4.52	2.31	2.14	8.62	1.64	2.98	3.71	1.50	2.66	1.80	39.19
1903.	1.87	6.85	5.94	8.42	2.14	3.04	3.73	7.53	0.67	2.28	3.48	2.41	48.36
1904.	2.09	4.15	5.69	3.08	3.24	5.14	5.07	3.35	1.37	T.	4.46	3.48	41.12
1905.	3.04	5.07	2.82	3.88	5.05	4.71	4.07	3.82	0.81	3.70	1.02	4.95	42.94
1906.	3.82	1.46	3.66	3.08	4.46	4.28	5.52	6.27	2.55	2.36	3.63	3.96	45.05
Mns.	3.21	4.01	4.87	3.41	3.79	4.66	4.22	4.57	2.22	2.39	2.47	2.98	42.80

HARRIMAN. ROANE COUNTY, TENN.—Elevation 841 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1891.	......	......	......	1.82	0.96	3.04	3.54	2.89	0.10	0.76	6.41	......	......
1892.	4.43	1.53	......	......	......	......	......	......	3.40	......	......	......	......
1893.	......	......	3.01	6.16	7.45	4.91	1.19	2.54	3.32	0.78	2.80	......	......
1894.	......	......	2.86	......	......	......	......	1.47	......	......	......	6.07	......
1895.	5.96	0.97	4.82	3.99	......	......	......	......	......	......	0.78	2.84	......
1896.	1.78	4.66	......	3.47	2.91	......	......	......	......	......	6.86	0.41	......
1897.	3.22	7.23	12.15	9.25	5.39	3.52	10.10	5.29	0.19	4.20	2.64	4.90	68.08
1898.	8.89	0.87	3.87	4.74	1.14	3.47	6.59	4.11	6.00	4.95	4.53	2.53	51.69
1899.	4.94	8.38	9.16	4.28	4.21	4.67	6.54	1.96	1.23	4.77	1.91	4.74	56.79
1900.	3.77	6.74	3.81	3.73	1.64	7.70	4.82	2.73	5.54	4.54	4.91	2.81	52.74
1901.	3.64	1.34	6.12	6.14	4.24	4.78	3.19	11.31	4.51	0.57	1.64	10.55	58.03
1902.	5.91	3.15	9.68	1.97	3.30	6.31	2.10	2.11	6.49	2.02	4.12	......	......
1903.	3.00	12.53	6.93	7.39	3.69	6.54	4.20	4.08	T.	2.36	3.80	2.95	57.47
1904.	3.88	3.97	6.70	2.64	4.85	1.71	4.11	3.15	1.15	0.17	3.50	6.72	42.55
1905.	2.55	4.91	5.90	3.29	5.42	3.42	5.43	7.00	1.43	4.57	1.05	5.94	50.91
1906.	3.96	......	......	2.83	3.85	3.87	10.64	8.23	4.90	2.89	4.05	4.70	......
1907.	1.30	3.84	......	4.59	2.17	1.38	......	......	4.15	1.50	5.96	5.39	......
1908.	4.29	4.28	3.32	4.30	2.69	3.38	11.64	3.89	1.68	1.56	3.41	4.82	49.26
1909.	3.55	7.50	7.37	6.56	5.63	7.25	7.84	2.29	4.26	2.28	1.96	3.01	59.50
1910.	4.77	4.06	0.59	4.24	5.58	4.57	9.05	1.20	2.55	1.99	1.24	3.71	43.55
1911.	5.81	4.62	5.29	11.97	1.50	2.93	4.16	2.36	3.65	7.38	5.09	7.64	62.40
Mns.	4.20	4.74	5.72	4.91	3.70	4.32	5.95	3.62	3.03	2.78	3.51	4.69	51.17

JEFFERSON CITY, JEFFERSON COUNTY, TENN.—Elevation 1,117 feet

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1910.	2.90	3.55	0.50	3.40	4.45	2.21	5.00	5.02	2.71	1.17	1.12	4.39	36.42
1911.	3.95	4.31	5.02	7.55	0.98	3.13	4.21	2.98	1.24	4.27	4.12	3.74	45.50
1912.	2.54	3.08	4.69	8.35	4.06	3.43	7.60	4.23	3.53	2.11	1.26	4.57	49.45
1913.	8.14	4.39	5.67	1.94	5.24	4.55	2.37	1.19	3.51	2.87	1.02	3.38	44.27
Mns.	4.38	3.83	3.97	5.31	3.68	3.33	4.80	3.36	2.75	2.62	1.88	4.02	43.93

JOHNSON CITY,* WASHINGTON COUNTY, TENN.—Elevation 1,600.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1883.	......	......	......	......	......	......	......	......	......	......	2.18	3.35	......
1884.	5.12	7.43	9.30	......	......	......	......	......	......	......	......	......	......
1885.	......	......	......	......	......	......	......	2.13	0.55	5.39	3.92	3.20	......
1886.	3.06	1.32	8.20	3.61	......	......	......	......	1.46	1.75	5.24	3.65	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1888.	......	0.92	2.12	2.85	......	......	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1896.	0.80	2.50	3.80	2.23	3.07	6.48	9.57	2.76	4.43	1.02	5.66	1.20	43.52
1897.	2.12	6.46	9.48	4.18	4.64	6.50	5.72	2.98	1.06	1.70	2.24	4.26	51.34
1898.	5.60	0.99	4.63	3.11	4.68	3.26	6.32	5.84	4.05	4.91	2.73	2.03	48.15
1899.	2.79	6.34	11.01	1.52	3.10	5.20	1.99	2.73	3.90	1.77	2.75	2.99	46.09
1900.	2.53	4.92	5.79	3.34	3.82	3.30	3.04	4.53	3.00	1.22	3.69	3.13	39.31
1901.	4.09	1.72	3.92	5.07	7.56	5.43	2.66	8.33	2.01	2.07	0.78	9.05	52.69
1902.	3.22	4.33	4.60	2.55	......	......	2.22	2.91	5.40	1.60	2.98	2.12	......
1903.	1.59	6.68	6.77	8.64	2.61	3.56	5.29	3.30	0.10	2.49	4.64	1.92	47.59
1904.	2.33	4.26	6.29	3.59	3.26	5.03	2.72	3.29	1.01	0.17	3.28	3.27	38.50
1905.	2.35	4.75	1.02	2.63	......	5.02	6.37	10.64	0.77	4.13	0.23	4.65	......
1906.	4.25	0.62	2.74	2.08	3.56	4.58	7.35	7.55	1.85	1.77	3.20	4.25	43.80
1907.	1.55	1.97	3.55	3.93	1.60	......	......	2.39	6.10	2.47	3.61	1.85	......
1908.	3.40	2.28	3.90	5.43	6.23	3.55	6.53	3.87	1.45	3.91	3.04	5.03	48.12
1909.	1.88	3.78	6.33	4.23	4.98	5.69	3.47	2.33	......	......	......	......	......
1910.	......	......	0.57	3.76	5.42	3.29	6.76	5.65	3.93	2.15	1.28	2.85	......
1911.	3.40	3.14	4.05	4.06	2.03	2.59	1.69	1.60	1.51	3.12	3.06	2.79	32.54
1912.	2.08	3.20	4.41	6.82	3.95	3.70	5.13	4.21	2.68	1.49	2.35	1.95	41.97
1913.	4.16	3.02	7.05	2.49	5.09	3.47	2.46	5.18	3.57	1.36	2.25	1.97	42.07
Mns.	2.96	3.53	5.22	3.81	4.10	4.42	4.66	4.30	2.57	2.84	2.96	3.29	44.16

* From 1883 to August 1910 record was made at Jonesboro, 8 miles southwest of Johnson City; elevation, 1740 feet.

KINGSTON, ROANE COUNTY, TENN—Elevation 751 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1884.	......	......	......	......	......	......	6.25	......	......	......	......	2.30	......
1885.	8.42	2.49	2.12	......	......	......	......	......	......	......	......	3.70	......
1886.	4.44	2.00	11.23	......	......	......	......	......	......	......	......	2.68	......
1887.	5.95	10.75	4.00	......	......	......	......	......	......	......	......	3.35	......
1888.	9.44	5.24	6.36	......	......	......	......	......	......	......	......	0.21	......
1889.	5.29	6.23	2.98	2.20	4.60	4.50	3.16	3.15	9.63	1.19	7.64	1.69	52.26
1890.	5.95	11.09	6.03	4.17	4.73	0.69	4.24	4.10	8.70	5.48	T.	4.54	59.72
1891.	5.45	9.38	10.42	2.89	1.96	5.72	4.38	4.14	0.76	0.58	4.40	4.85	54.98
1892.	7.27	3.17	4.86	7.10	3.67	5.71	4.90	4.50	1.51	0.53	4.80	3.56	51.58
1893.	1.86	7.78	3.49	5.22	7.07	3.87	2.79	2.16	3.55	0.99	1.88	2.59	43.25
1894.	4.19	8.82	2.33	3.14	......	......	......	......	......	......	......	5.52	......
1895.	7.90	2.21	4.50	......	......	......	......	......	......	......	......	3.54	......
1896.	2.17	6.54	5.41	......	......	......	......	......	......	......	......	0.60	......
1897.	3.50	6.65	10.59	......	......	......	5.93	5.86	0.16	2.76	2.22	5.99	......
1898.	8.60	0.60	3.31	4.88	0.70	2.65	6.01	5.06	8.31	4.62	4.03	2.34	51.11
1899.	4.08	7.13	8.80	3.97	4.20	5.07	6.81	1.46	1.47	3.86	2.08	4.36	53.29
1900.	3.81	6.72	4.19	4.44	1.89	7.29	4.11	1.25	3.06	3.58	4.56	3.72	48.62
1901.	3.94	1.11	5.44	6.29	4.69	6.00	1.19	11.62	3.59	0.47	1.33	11.39	57.06
1902.	5.29	4.24	7.57	2.01	3.72	5.70	2.10	2.18	5.05	2.91	4.48	5.08	50.33
1903.	2.92	10.69	6.84	7.26	3.29	6.85	5.75	6.40	T.	2.77	3.56	2.91	58.74

KINGSTON—Continued.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1904.	2.82	3.20	6.81	2.28	4.12	2.60	2.46	3.24	1.48	T.	3.01	5.90	37.92
1905.	2.13	4.03	4.04	3.08	4.42	4.89	5.56	6.54	2.98	4.66	1.18	6.05	49.56
1906.	3.84	2.23	5.43	2.11	3.77	4.35	8.75	3.52	4.06	3.39	3.55	3.55	48.55
1907.	1.75	3.67	5.98	4.57	3.70	3.21	4.30	2.07	7.07	1.60	6.03	4.76	48.71
1908.	3.09	4.95	3.90	3.76	3.23	1.90	7.82	4.26	1.38	2.38	2.25	6.01	44.93
1909.	3.72	7.93	7.48	6.13	6.24	6.06	7.52	1.46	3.96	2.43	1.36	2.77	57.06
1910.	4.34	3.99	0.83	3.85	4.97	4.85	3.92	1.59	2.28	1.17	1.05	4.13	36.97
1911.	5.04	4.13	4.58	11.00	1.28	2.36	3.86	2.43	1.98	6.13	5.15	7.17	55.11
1912.	3.43	3.91	7.63	9.30	4.01	3.39	4.05	3.17	3.67	0.71	1.51	7.86	52.64
1913.	9.34	4.05	6.75	1.35	5.62	3.10	2.54	1.22	4.51	2.04	1.14	4.24	45.90
Mns.	4.83	5.34	5.65	4.59	3.90	4.30	4.71	3.70	3.60	2.46	3.06	4.25	50.39

KNOXVILLE, KNOX COUNTY, TENN.—Elevation 977 feet.

1854.	8.30	4.73	3.34	3.41	2.84	7.41	3.61	3.80	1.58	2.89	2.30	2.02	46.23
1855.	2.61	1.17	4.13	2.30	3.23	4.78	......	......	......	......	......	......	......
1856.	......	......	1.69	......	......	......			2.10	2.62	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1869.	......	......	......	......	......	......	......	......	......	......	3.00	4.30	......
1870.	3.30	3.60	5.00	5.40	5.20	5.50	3.50	3.85	......	......	1.50	1.70	......
1871.	2.29	4.84	6.16	5.38	4.97	4.52	3.41	3.82	3.37	3.79	2.89	2.78	48.22
1872.	2.99	2.24	3.04	3.61	2.86	5.83	2.30	6.27	3.89	0.82	3.69	6.68	44.22
1873.	3.82	12.52	5.38	2.82	4.46	5.94	4.34	2.87	3.79	3.75	4.86	4.83	59.38
1874.	5.14	2.73	3.96	17.32	2.35	5.11	3.13	7.89	2.43	0.64	4.99	2.69	58.38
1875.	6.92	10.18	13.07	5.86	1.23	4.96	7.64	5.60	4.14	2.81	4.25	7.21	73.87
1876.	3.99	4.92	5.89	2.78	6.25	4.07	3.93	1.87	1.60	1.81	2.36	1.74	41.21
1877.	7.49	1.15	6.65	8.79	1.64	4.50	2.12	2.01	7.38	3.70	6.57	2.36	54.36
1878.	2.85	1.01	2.87	4.69	2.38	5.10	5.37	6.86	0.73	5.40	5.40	5.10	47.76
1879.	9.59	5.89	3.17	3.96	3.43	1.99	3.28	2.89	0.22	3.14	3.11	8.28	48.95
1880.	2.16	4.43	8.59	6.20	2.50	3.38	6.28	4.45	3.64	0.71	6.46	3.74	52.54
1881.	4.41	4.20	3.90	2.99	1.14	5.13	4.05	1.77	2.31	5.14	5.31	5.32	45.67
1882.	16.98	6.10	4.35	3.88	6.77	3.56	6.25	6.06	4.15	2.73	3.06	2.47	66.36
1883.	7.94	3.46	4.01	8.17	3.31	2.99	3.59	2.48	2.53	4.66	4.18	3.35	50.67
1884.	6.66	8.51	11.93	4.44	2.19	5.33	8.59	4.75	0.66	2.05	1.31	6.11	62.53
1885.	7.64	2.97	3.10	1.93	7.19	3.15	4.00	4.05	2.21	7.86	6.15	4.45	54.70
1886.	6.12	2.62	11.15	5.30	4.92	4.62	6.25	5.17	1.88	0.87	7.21	5.34	61.45
1887.	3.99	6.67	3.97	4.33	4.79	3.07	2.93	4.48	1.63	2.70	0.93	3.49	42.98
1888.	6.61	3.75	4.22	4.00	6.30	4.18	3.45	2.77	6.55	6.11	3.19	1.90	53.03
1889.	3.88	5.82	2.08	1.02	4.08	5.57	2.85	6.42	5.74	1.81	6.38	0.98	47.73
1890.	4.26	8.12	5.72	4.10	4.34	2.89	3.42	4.39	3.83	3.69	0.17	4.66	49.59
1891.	4.36	10.15	7.87	2.06	1.91	3.33	4.66	2.92	1.59	0.50	3.01	4.25	46.61
1892.	6.16	3.35	3.68	7.58	2.81	3.50	4.11	3.10	0.63	0.47	5.91	3.32	44.62
1893.	1.56	7.96	2.49	5.46	6.71	4.92	5.25	2.08	1.45	1.73	1.32	2.49	43.42
1894.	3.80	7.37	2.37	2.81	3.85	1.43	2.24	4.79	0.47	1.50	0.55	6.26	37.44
1895.	6.72	1.95	4.65	3.36	5.63	3.39	4.50	1.89	0.59	1.24	1.90	2.93	38.75
1896.	1.49	5.51	5.30	4.24	5.31	5.61	7.36	1.25	2.02	1.59	4.32	0.95	44.95
1897.	2.91	4.66	9.59	6.26	6.11	3.18	3.83	5.23	1.92	1.97	1.87	5.42	52.95
1898.	7.68	0.56	3.97	3.34	1.60	3.47	2.97	4.86	7.44	3.13	2.10	1.67	42.79
1899.	3.70	6.21	11.28	2.68	3.58	3.71	3.93	1.52	1.68	2.53	0.89	2.70	44.41
1900.	3.35	5.52	3.64	1.92	1.72	6.42	3.90	3.64	3.41	2.21	5.63	2.75	44.11
1901.	4.31	0.79	4.32	5.35	4.03	6.44	0.69	10.48	4.13	1.57	1.30	12.34	55.75
1902.	3.71	3.53	6.37	1.79	2.09	5.45	3.73	2.39	8.04	0.99	4.03	3.46	45.58
1903.	2.10	8.35	6.96	7.21	3.09	3.39	2.26	3.86	0.62	1.88	4.19	1.98	45.89
1904.	2.02	4.42	6.36	1.90	2.34	1.66	2.50	3.92	1.10	0.07	3.43	5.37	35.09
1905.	3.24	5.68	3.86	4.36	3.80	3.55	3.23	7.35	0.55	4.55	1.27	5.16	46.60
1906.	3.60	1.24	3.83	2.64	4.69	5.73	6.53	1.35	3.82	2.38	3.78	3.57	43.16
1907.	1.29	3.19	5.17	3.79	3.54	4.28	3.04	2.16	6.89	0.93	5.80	3.72	43.80
1908.	4.04	2.87	3.25	3.02	2.15	2.07	3.90	3.95	1.78	2.57	3.13	5.65	38.38
1909.	3.17	7.05	5.98	5.70	4.14	9.68	7.01	3.17	2.91	1.61	0.91	2.49	53.82
1910.	3.66	4.19	0.72	4.12	7.28	3.13	5.09	3.86	3.68	1.68	0.97	4.94	43.32
1911.	4.79	4.83	3.99	7.66	1.23	2.72	4.31	2.99	1.89	3.78	4.37	4.84	47.40
1912.	3.00	2.96	7.04	7.98	5.94	2.44	4.32	2.66	5.08	1.30	1.47	6.42	50.61
1913.	8.93	4.51	6.43	2.00	4.86	1.56	3.77	1.44	3.34	2.45	1.11	3.59	43.99
Mns.	4.77	4.75	5.24	4.56	3.84	4.23	4.16	3.90	2.94	2.50	3.32	4.08	48.29

LOUDON, LOUDON COUNTY, TENN.—Elevation 750 feet.

1884.	......	......	......	......	......	......	......	......	......	......	......	5.19	......
1885.	9.15	2.29	2.31	......	......	......	......	......	......	......	......	3.25	......
1886.	5.39	2.70	11.50	......	......	......	......	......	......	......	......	2.70	......
1887.	6.20	7.42	3.38	......	......	......	......	......	......	......	......	4.04	......
1888.	7.64	4.26	4.68	......	......	......	......	......	......	......	......	1.75	......
1889.	3.94	5.51	1.55	2.10	3.60	4.20	3.20	1.71	8.30	1.30	6.63	0.74	42.78
1890.	4.31	9.41	6.03	......	4.48	1.06	2.65	4.85	6.99	4.50	0.25	4.10	......
1891.	5.05	9.18	9.63	1.20	1.75	4.20	4.85	3.79	1.30	0.65	4.30	4.97	50.87
1892.	8.04	3.37	3.77	10.96	4.30	6.34	4.45	3.70	1.15	0.25	6.78	3.49	56.60
1893.	1.81	7.53	3.11	4.94	6.05	4.85	5.75	1.55	1.55	1.67	1.35	3.70	43.86
1894.	4.80	6.51	2.61	3.00	4.83	2.50	2.70	4.35	2.35	2.05	0.30	6.72	42.72
1895.	7.17	2.00	6.35	4.55	4.70	5.30	4.25	4.25	2.05	2.05	2.45	3.71	48.83
1896.	2.23	5.87	6.30	3.80	2.15	5.15	9.85	1.75	3.30	1.47	6.03	0.92	48.82
1897.	3.19	5.05	11.50	7.75	4.70	3.25	7.60	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1904.	......	......	......	......	......	......	4.75	3.79	2.30	0.20	2.90	5.79	......
1905.	3.33	6.25	3.54	3.50	4.90	5.35	2.51	4.95	1.60	4.60	0.70	5.55	46.78
1906.	4.60	1.00	4.75	1.65	3.00	7.40	8.75	5.70	6.60	3.20	3.25	4.00	53.90
1907.	1.15	4.50	......	3.99	3.20	6.40	3.10	3.95	9.60	1.40	6.55	5.86	......
1908.	3.67	3.42	3.76	3.59	2.02	3.05	7.20	6.95	2.25	2.20	1.80	6.45	46.36
1909.	4.05	6.85	7.15	4.20	6.25	8.35	11.20	1.40	2.52	2.35	1.00	2.81	58.13
1910.	4.15	3.64	1.12	3.13	7.44	3.98	7.72	1.68	2.89	1.25	1.17	5.05	43.22
1911.	5.95	4.18	3.98	7.94	1.42	4.87	4.37	4.96	2.69	4.60	4.56	6.05	55.57
1912.	3.21	3.50	7.58	8.50	5.13	2.60	3.84	4.30	3.33	0.92	1.67	7.11	51.69
1913.	8.28	4.45	7.40	2.38	3.56	2.23	1.90	0.79	3.30	1.74	0.96	3.99	40.98
Mns.	4.88	4.95	5.09	4.54	4.08	4.50	5.30	3.58	3.56	2.02	2.92	4.26	49.68

MARYVILLE, BLOUNT COUNTY. TENN.—Elevation 1,050 feet.

1883.	......	......	4.41	7.23	3.43	5.14	2.76	3.77	3,56	3.47	4.45	4.24	......
1884.	6.38	10.43	10.53	4.39	2.37	9.60	6.22	2.26	1.08	1.87	1.12	6.00	58.25
1885.	7.88	2.99	2.55	1.91	5.32	3.95	2.83	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1888.	......	......	4.00	3.99	5.81	3.05	3.62	2.73	......	......	......	......	......

MARYVILLE—Continued.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1889.	......	......	......	......	......	7.90	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1897.	......	......	......	......	......	......	......	......	......	......	......	6.44	......
1898.	8.10	0.82	5.31	4.41	1.87	3.10	4.53	4.74	6.39	3.30	2.97	1.87	47.41
1899.	4.83	7.55	13.78	2.96	5.08	3.01	2.72	2.89	1.61	2.46	2.31	3.44	52.64
1900.	3.60	5.18	4.57	2.86	1.38	6.89	4.10	2.62	2.57	2.53	5.91	3.26	45.47
1901.	5.64	1.42	5.42	6.08	4.43	4.19	2.68	9.63	3.23	2.60	1.50	12.23	59.00
1902.	3.77	4.03	6.05	2.48	2.27	4.36	2.99	1.99	4.57	1.25	4.57	4.12	42.45
1903.	2.40	9.93	8.14	7.15	2.94	5.02	5.45	3.42	0.15	2.78	3.57	2.41	53.36
1904.	2.95	4.26	6.80	2.77	2.55	3.85	5.86	2.90	2.73	0.41	3.73	4.96	43.77
1905.	3.80	7.53	3.48	5.47	6.02	2.55	4.15	7.85	1.49	4.05	1.28	6.06	53.73
1906.	4.49	1.26	4.35	2.20	5.44	4.87	11.54	4.73	4.63	2.98	5.21	3.80	55.50
1907.	1.45	3.99	5.04	3.35	3.70	4.67	3.12	3.19	8.09	1.45	5.62	4.21	47.88
1908.	3.90	3.59	4.09	2.98	3.30	4.41	7.35	4.58	1.44	1.95	2.30	7.35	47.24
1909.	2.77	6.03	6.38	5.19	4.60	8.12	9.08	4.22	3.38	2.41	0.88	2.84	55.90
1910.	3.32	4.56	0.69	2.99	6.68	5.46	5.76	4.33	2.50	......	1.38	5.19	......
1911.	4.65	4.24	4.33	8.42	0.91	5.10	5.28	3.84	1.85	4.09	4.85	3.83	51.39
1912.	2.15	3.47	7.20	......	......	......	5.65	4.01	......	1.91	......	6.15	......
1913.	8.11	4.72	5.80	......	......	......	......	......	......	......	......	......	......
Mns.	4.46	4.78	5.65	4.27	3.78	5.01	5.04	4.09	3.08	2.47	3.23	4.91	50.77

McGHEE. MONROE COUNTY. TENN.—Elevation 850 feet.

1905.	3.59	6.60	3.15	4.20	3.50	2.40	3.30	4.93	0.30	4.60	1.09	6.35	44.01
1906.	4.07	1.00	4.25	2.70	2.35	7.15	11.35	3.58	5.19	3.81	6.90	3.51	55.86
1907.	0.45	3.87	4.54	4.37	4.14	6.10	4.84	2.17	8.74	1.23	5.39	3.22	49.06
1908.	3.81	3.65	4.39	3.30	3.56	3.33	4.66	3.62	1.48	2.80	1.52	7.20	43.32
1909.	2.90	6.47	6.35	4.47	6.12	6.20	6.73	4.24	2.83	2.55	0.71	3.53	53.10
1910.	3.58	4.24	1.22	3.21	6.33	6.80	3.40	2.75	0.46	1.36	1.56	5.38	40.29
1911.	5.65	4.35	3.25	6.35	0.83	5.20	6.31	3.04	2.04	3.70	4.24	5.65	50.61
1912.	3.22	2.80	7.03	8.62	3.80	3.11	3.67	5.21	4.12	2.01	1.92	6.72	52.23
1913.	8.07	6.02	6.30	2.45	4.69	1.76	3.78	1.54	4.50	1.96	0.77	4.04	45.88
Mns.	3.93	4.33	4.50	4.41	3.92	4.67	5.34	3.45	3.30	2.67	2.68	4.40	47.60

MOUNTAIN CITY,* JOHNSON COUNTY, TENN.—Elevation 2,486 feet.

1897.	......	......	......	......	......	......	6.98	4.71	0.98	1.87	1.35	4.29	......
1898.	5.11	0.99	4.03	2.70	4.21	2.51	4.72	4.77	4.40	5.07	1.73	1.97	42.21
1899.	2.06	6.84	10.77	2.58	4.22	4.99	5.56	3.08	3.74	1.45	1.08	2.43	48.80
1900.	1.38	4.54	5.50	1.98	3.37	5.57	7.17	4.70	5.14	4.32	3.82	2.56	50.05
1901.	4.10	1.61	4.18	6.51	8.17	8.14	4.45	16.54	2.02	3.30	0.89	8.36	68.27
1902.	3.12	5.50	4.47	2.64	2.99	10.08	1.95	6.35	4.67	2.50	3.20	2.91	50.38
1903.	3.09	7.21	5.79	4.95	1.21	5.29	5.12	3.96	0.98	1.76	3.86	2.75	45.97
1904.	3.04	2.93	4.98	3.02	3.72	3.72	3.81	4.46	1.44	0.13	3.53	4.46	39.24
1905.	4.21	5.66	2.54	3.80	7.19	3.60	10.09	4.62	1.44	2.89	1.07	4.60	51.71
1906.	7.93	1.20	3.96	3.54	3.76	4.41	7.28	6.92	4.26	4.08	3.03	4.45	54.82
1907.	1.60	3.39	3.49	3.85	3.78	7.75	7.01	6.65	7.36	2.48	4.70	4.04	56.10
1908.	......	......	3.58	5.24	4.30	6.43	6.90	3.34	1.32	5.09	1.90	6.18	......
1909.	3.04	4.22	4.63	3.64	3.48	6.92	5.17	2.57	3.63	3.59	0.81	1.66	43.36
1910.	4.12	2.90	0.47	3.00	4.51	5.22	8.93	3.74	2.37	2.42	2.17	2.75	42.60
1911.	4.65	2.64	6.73	6.25	1.71	4.62	5.68	4.60	2.48	4.40	2.71	3.67	50.14
1912.	2.73	2.33	5.29	5.16	5.22	2.23	5.62	4.01	3.94	1.33	1.59	1.97	41.42
1913.	3.40	2.51	7.10	2.77	6.18	2.98	3.70	4.71	3.79	1.47	1.64	2.28	42.53
Mns.	3.57	3.63	4.84	3.85	4.25	5.28	5.89	5.28	3.17	2.83	2.30	3.61	48.50

* From 1897 to 1907, inclusive, record was made at Silver Lake, 4 miles north of Mountain City. Elevation 2,600 feet.

NEWPORT, COCKE COUNTY, TENN.—Elevation 1,280 feet.

1888.	......	......	4.25	3.30	8.00	2.10	......	......	......	......	......	......	......
.....	......	......	......	......	......	......	......	......	......	......	......	......	......
1891.	......	......	......	1.53	2.64	3.43	4.55	7.51	1.30	1.39	1.09	3.06	......
1892.	5.27	2.07	2.64	5.75	3.13	3.24	3.16	2.50	1.16	0.61	6.00	1.46	36.99
1893.	1.88	7.90	2.70	3.83	6.91	6.12	2.54	4.85	2.57	3.67	2.81	2.41	48.50
1894.	4.62	6.07	2.18	2.40	4.51	4.93	4.55	4.29	1.47	1.57	0.60	4.56	41.75
1895.	5.69	1.89	5.80	3.02	5.03	2.22	5.31	6.42	1.23	1.79	1.95	2.74	43.09
1896.	0.99	4.14	4.57	5.08	3.50	5.76	9.60	1.78	2.77	1.13	4.90	0.94	45.16
1897.	2.67	4.12	10.18	4.10	4.49	6.60	3.50	1.98	0.59	1.98	1.40	4.35	45.96
1898.	6.22	0.94	4.63	3.09	2.92	2.81	5.43	6.12	3.32	2.93	2.69	1.28	42.38
1899.	3.12	7.29	11.88	2.31	3.38	3.64	2.94	1.80	3.83	......	......	2.01	......
1900.	2.10	4.53	4.49	1.97	1.50	6.77	4.26	2.15	1.88	1.54	4.25	3.02	38.46
1901.	4.43	1.03	6.31	5.00	5.65	2.40	2.79	10.83	2.35	1.40	1.18	9.78	53.15
1902.	3.70	4.75	5.15	2.52	2.90	5.40	2.83	1.60	6.75	1.70	2.92	2.19	42.41
1903.	1.71	7.32	5.87	7.03	2.30	2.99	4.32	5.39	T.	1.68	3.13	2.20	43.94
1904.	2.46	3.87	6.16	2.70	3.10	3.82	5.67	2.91	1.42	T.	4.15	3.81	40.05
1905.	2.95	5.32	3.06	4.34	9.12	2.72	4.10	6.75	1.15	3.52	1.15	5.40	49.58
1906.	4.47	1.25	3.95	2.25	4.16	4.29	6.51	4.82	3.39	1.71	4.03	5.16	45.99
1907.	0.90	2.82	3.74	3.62	3.35	6.95	5.52	3.60	5.89	1.47	4.46	3.02	45.34
1908.	4.89	2.63	3.15	3.40	3.40	2.40	4.90	5.34	1.48	5.33	2.40	6.90	46.22
1909.	3.42	6.71	8.45	4.55	8.00	7.30	5.30	4.80	2.10	2.70	0.75	1.35	55.43
1910.	3.00	3.55	0.35	3.70	5.05	3.90	6.80	2.83	2.77	2.20	2.10	3.96	40.21
1911.	2.74	3.69	4.99	5.96	1.85	2.45	5.50	3.31	2.22	3.00	3.47	3.51	42.69
1912.	2.39	3.00	4.81	7.17	4.16	5.60	6.55	2.64	3.50	1.45	2.10	3.83	47.20
1913.	5.65	4.41	5.91	3.23	6.02	3.56	1.80	2.47	3.32	1.88	1.19	2.11	41.55
Mns.	3.42	4.06	5.01	3.83	4.38	4.22	4.71	4.20	2.45	2.03	2.67	3.44	44.42

NEW RIVER, SCOTT COUNTY, TENN.—Elevation 1,125 feet.

1908.	......	......	3.28	3.96	3.27	4.84	6.21	3.71	4.44	1.52	2.26	4.33	......
1909.	4.31	5.87	5.69	4.88	3.88	11.86	9.19	4.86	0.97	1.51	2.17	2.79	57.98
1910.	6.64	5.03	0.79	5.15	6.11	6.95	5.64	1.80	2.96	3.50	1.70	3.30	49.57
1911.	3.40	3.99	3.84	8.39	3.19	3.64	1.70	4.62	2.18	2.94	3.35	8.43	49.67
1912.	4.16	4.01	7.78	8.96	4.42	4.87	7.83	3.67	2.44	0.96	0.73	4.98	54.81
1913.	10.55	4.14	8.03	2.94	4.54	2.30	2.14	2.26	2.63	2.81	1.54	3.14	47.02
Mns.	5.81	4.61	4.90	5.71	4.23	5.74	5.45	3.49	2.60	2.21	1.96	4.50	51.21

ROGERSVILLE, HAWKINS COUNTY, TENN.—Elevation 1,150 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1883.	......	......	......	......	1.98	5.89	3.15	1.61	......	......	......	......	......
1884.	6.20	......	......	......	......	......	......	......	......	......	......	......	......
1885.	......	......	......	......	......	0.98	3.15	5.12	1.19	4.10	3.33	3.69	......
1886.	5.31	2.38	7.08	5.14	5.68	4.50	4.78	3.29	1.18	1.78	6.36	4.08	51.56
1887.	4.02	8.93	4.50	5.76	4.36	2.04	2.99	6.23	1.93	2.66	0.54	2.84	46.80
1888.	7.03	2.19	3.38	3.09	3.40	3.39	2.52	4.28	5.55	6.58	3.52	1.45	41.68
1889.	3.30	3.58	1.64	3.19	2.87	3.33	5.35	3.72	3.39	1.69	4.20	1.10	37.36
1890.	2.91	7.17	5.90	4.15	4.59	2.28	3.80	4.03	3.30	3.30	0.22	5.38	47.03
1891.	3.62	9.61	7.16	2.72	2.03	1.69	5.04	8.42	1.02	1.21	2.54	4.27	49.33
1892.	5.95	3.17	3.03	5.90	3.37	4.27	5.90	2.55	1.14	0.66	5.69	3.44	45.07
1893.	1.82	6.71	2.87	4.06	7.10	3.96	4.67	4.86	2.10	4.36	2.01	2.03	46.55
1894.	2.92	5.46	2.01	2.57	3.06	5.47	4.48	5.74	2.51	1.52	1.31	5.51	42.55
1895.	4.08	2.05	5.93	1.87	3.09	1.71	8.70	2.24	0.99	1.19	2.48	2.11	36.44
1896.	1.49	4.25	6.88	3.11	3.41	4.46	7.83	1.85	3.48	2.14	5.30	0.90	45.10
1897.	3.16	6.80	10.52	3.83	4.66	6.33	4.31	1.41	0.64	1.00	1.32	4.30	48.28
1898.	6.44	1.18	4.56	2.82	6.81	5.26	5.70	5.81	1.76	4.83	2.56	1.85	49.58
1899.	3.44	5.97	9.07	2.46	4.96	3.41	4.15	1.90	2.45	1.85	1.40	3.38	44.44
1900.	3.00	4.39	4.60	2.38	1.65	5.86	5.83	1.72	4.90	2.00	5.39	2.68	43.40
1901.	3.86	1.41	4.66	4.99	4.95	2.96	2.72	10.21	4.60	1.48	1.30	10.70	53.84
1902.	4.04	4.29	5.13	1.68	3.00	6.20	1.33	2.85	4.49	2.75	2.72	2.66	41.14
1903.	2.21	7.34	5.44	5.98	1.79	2.48	5.78	3.66	0.18	1.96	2.94	2.39	42.15
1904.	2.41	3.86	5.43	3.21	2.13	4.12	3.26	4.04	1.90	0.24	3.64	4.47	38.71
1905.	3.02	4.67	3.74	2.90	3.54	3.00	5.44	5.30	2.05	3.14	1.12	4.42	42.34
1906.	4.39	0.95	3.69	2.30	2.39	2.55	7.54	4.01	4.69	3.17	5.26	3.25	44.19
1907.	1.61	3.14	3.90	4.20	3.04	5.61	6.90	4.98	6.78	1.60	5.06	3.18	50.00
1908.	2.81	3.87	4.15	3.85	3.45	2.66	3.78	3.86	2.32	3.99	2.02	6.01	42.77
1909.	3.48	4.39	5.63	3.91	4.02	9.00	5.52	4.48	3.69	2.16	0.98	2.42	49.68
1910.	3.13	2.58	1.54	2.96	5.03	2.95	7.66	5.08	2.80	1.46	1.13	2.96	39.28
1911.	4.46	3.66	5.36	6.07	1.04	3.33	2.41	3.75	2.09	4.44	4.20	4.04	44.85
1912.	2.88	2.44	5.73	8.03	4.85	5.08	5.42	3.35	3.68	1.99	1.58	4.32	49.35
1913.	6.33	4.20	5.55	1.97	7.20	2.85	3.04	3.22	3.74	2.81	1.00	3.13	45.04
Mns.	3.77	4.31	4.97	3.75	3.77	3.93	4.77	4.12	2.78	2.48	2.80	3.55	45.00

RUGBY,* MORGAN COUNTY, TENN.—Elevation 1,410 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1884.	......	......	......	2.15	2.35	5.23	2.87	3.34	......	......	0.30	2.19	......
1885.	9.25	3.53	......	2.58	......	......	......	......	......	......	......	......	......
1886.	......	......	......	......	......	......	......	......	......	......	......	......	......
1887.	......	......	......	......	......	......	......	......	......	......	......	......	......
1888.	3.79	4.17	......	......	......	......	......	......	......	......	......	......	......
1889.	......	......	......	......	......	6.30	6.27	5.12	6.43	0.91	5.45	1.41	......
1890.	4.78	11.75	6.87	5.23	6.32	2.40	2.99	6.82	8.23	3.72	0.74	4.03	63.88
1891.	5.64	7.05	6.99	2.03	1.18	7.62	2.61	3.99	1.90	1.50	4.62	4.51	49.64
1892.	7.35	2.83	5.73	7.91	5.33	4.26	2.33	5.95	1.84	0.16	6.05	3.82	53.56
1893.	2.28	6.48	2.15	4.27	6.86	5.34	7.04	3.24	2.62	1.44	1.85	2.30	45.87
1894.	4.20	7.70	2.43	3.23	3.96	1.05	2.61	6.31	2.19	1.61	......	4.12	......
1895.	8.37	1.73	6.14	6.93	6.45	1.92	4.93	2.10	1.53	2.47	2.31	5.04	49.92
1896.	1.24	5.51	7.62	2.35	3.22	5.09	11.52	0.35	4.11	0.51	6.02	0.22	47.76
1897.	4.20	7.08	10.41	6.94	3.99	2.21	6.55	6.40	1.10	1.88	2.17	6.44	59.32
1898.	10.87	2.57	3.54	4.38	2.93	2.49	5.73	2.52	3.67	6.71	2.32	3.59	51.32
1899.	6.56	8.67	7.95	3.33	4.51	3.03	6.45	0.97	0.62	3.21	1.79	4.94	52.03
1900.	2.55	6.24	4.63	2.77	1.37	7.89	4.08	1.71	5.02	2.22	8.67	2.41	49.56
1901.	3.76	2.50	4.69	8.72	3.91	7.36	3.48	11.63	6.16	0.90	2.25	9.03	64.39
1902.	4.68	4.47	11.75	2.51	2.56	5.13	3.08	2.92	4.81	3.48	7.18	6.52	59.09
1903.	4.53	9.48	8.29	6.75	4.47	2.92	2.96	5.15	0.23	2.15	3.82	3.69	54.44
1904.	3.89	3.32	7.92	3.65	5.30	4.59	2.77	2.00	2.55	0.69	4.60	6.02	47.30
1905.	5.60	4.72	4.68	2.59	4.71	7.01	6.73	7.25	3.70	6.66	2.67	5.87	62.19
1906.	2.88	2.10	6.73	3.35	8.50	4.59	16.82	4.59	6.70	2.67	3.60	7.24	64.77
1907.	2.26	5.16	5.79	5.46	5.62	4.58	4.24	4.34	6.20	1.75	4.19	3.98	53.57
1908.	3.84	3.73	3.54	6.53	4.49	3.08	5.73	3.30	2.36	1.27	3.52	4.44	45.83
1909.	5.23	5.59	7.96	6.06	4.41	6.50	6.21	2.36	3.09	1.18	2.05	3.85	54.49
1910.	6.60	4.89	0.80	6.99	7.64	5.77	6.26	3.31	3.83	3.24	2.24	4.54	56.11
1911.	4.04	4.35	6.09	11.73	1.54	6.66	2.81	4.94	2.68	2.73	4.20	7.60	59.37
1912.	5.24	4.87	8.41	9.12	6.53	4.27	8.15	7.83	3.81	1.16	1.42	6.22	67.03
1913.	9.57	4.82	6.95	2.83	4.73	2.63	2.44	3.04	2.79	3.12	2.58	3.04	48.54
Mns.	5.12	5.20	6 17	5.02	4.32	4.61	5.29	4.29	3.53	2.29	3.46	4.50	53.80

* From 1884 to 1888, inclusive, record was made at Sunbright, 8¼ miles south of Rugby.

SEVIERVILLE, SEVIER COUNTY, TENN.—Elevation 900 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1906.	3.97	1.01	3.69	2.46	4.39	6.01	7.99	7.23	4.37	1.99	4.30	4.09	51.50
1907.	1.15	2.97	5.43	3.34	3.39	5.51	4.31	3.44	6.46	1.38	5.44	4.30	47.12
1908.	3.68	2.71	4.48	2.20	4.00	3.63	3.81	7.41	2.02	3.66	3.36	6.51	47.97
1909.	3.12	5.48	6.38	4.37	4.78	5.93	5.92	4.26	2.28	2.47	0.68	1.90	47.57
1910.	3.42	4.33	0.75	3.93	4.58	4.54	5.64	3.97	2.87	1.58	1.00	4.58	41.79
1911.	3.55	4.22	3.98	6.09	1.41	3.50	3.59	2.06	3.17	3.78	4.00	4.17	43.52
1912.	1.93	3.01	5.85	8.20	5.57	4.24	7.39	3.75	3.39	1.70	1.69	4.02	50.74
1913.	8.34	4.39	5.90	2.43	6.76	2.56	4.22	1.03	3.41	3.70	1.11	3.21	47.66
Mns.	3.64	3.52	4.56	4.13	4.36	4.49	5.36	4.28	3.50	2.53	2.77	4.10	47.24

SPRINGDALE, CLAIBORNE COUNTY, TENN.—Elevation 1,058 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1888.	......	......	......	......	......	......	......	......	3.51	6.60	3.67	1.76	......
1889.	3.89	2.90	2.03	2.24	1.40	3.29	6.77	3.22	6.47	1.45	6.00	1.70	41.36
1890.	3.15	7.07	7.63	4.84	6.63	2.22	5.09	9.91	2.23	4.01	0.33	5.72	58.33
1891.	4.23	8.95	8.10	3.20	2.01	4.96	2.81	5.54	2.21	1.00	3.70	4.50	51.18
1892.	5.46	......	3.75	7.43	3.11	6.40	3.99	4.52	0.60	0.55	5.24	2.87	......
1893.	3.20	8.17	2.41	5.00	6.66	4.07	4.56	4.00	2.30	2.35	......	3.04	......
1894.	2.95	5.51	2.55	2.60	4.00	3.35	3.10	4.05	0.90	2.05	2.50	5.00	38.56
1895.	7.86	1.60	4.90	3.40	2.21	2.25	10.83	2.00	3.25	2.27	2.64	3.07	46.28
1896.	1.34	......	......	3.43	4.19	4.65	14.82	1.15	2.49	1.80	3.79	......	......
1897.	3.50	6.44	9.26	5.66	4.66	3.68	5.12	2.52	0.42	0.82	1.55	4.25	47.58
1898.	8.78	0.84	4.28	2.54	4.16	2.42	5.44	5.03	3.39	5.06	3.24	2.88	48.06
1899.	3.85	5.99	10.47	3.33	5.43	6.14	3.24	2.61	2.86	2.62	2.43	3.36	52.33
1900.	3.07	6.40	3.41	1.79	1.94	......	......	......	......	......	5.89	2.57	......
1901.	3.90	1.25	5.11	6.02	4.46	6.06	2.75	13.18	3.58	0.63	1.09	10.72	58.75
1902.	4.49	......	......	1.95	3.86	7.95	3.66	1.65	......	......	......	3.52	......
1903.	2.57	9.34	6.65	6.64	2.98	3.73	5.75	3.58	0.05	3.17	5.00	3.45	52.91

SPRINGDALE—Continued.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1904.	2.94	3.72	4.52	2.83	3.63	5.96	2.54	4.87	3.34	0.30	3.97	5.83	44.45
1905.	3.55	4.82	3.16	3.45	6.49	2.76	3.63	5.79	3.19	5.28	1.15	4.01	47.28
1906.	4.35	1.60	3.80	2.68	4.01	1.92	6.97	4.00	5.58	1.75	4.21	4.65	45.52
1907.	1.80	5.68	4.29	3.26	5.59	7.17	6.51	3.48	5.03	2.01	6.07	4.65	55.54
1908.	3.56	5.40	2.84	3.34	2.60	2.46	7.61	5.50	......	3.55	2.99	3.34	......
1909.	4.49	5.29	6.90	6.50	1.50	......	......	4.72	1.71	1.98	1.88	2.51	......
1910.	5.22	4.60	0.75	3.65	......	......	......	......	......	......	......	......	......
1911.	3.82	3.01	5.33	8.45	1.25	1.47	3.20	3.71	2.42	......	......	......	......
Mns.	4.00	4.93	4.86	4.08	3.76	4.15	5.42	4.53	2.78	2.46	3.37	3.97	48.31

TAZEWELL, CLAIBORNE COUNTY, TENN.—Elevation 1,350 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1893.	2.81	7.31	2.40	3.97	6.54	4.33	3.06	3.94	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1897.	......	......	......	......	......	......	......	......	......	......	......	4.80	......
1898.	7.10	0.97	3.88	3.02	3.39	3.39	4.52	4.03	2.92	4.90	3.49	2.14	43.75
1899.	4.66	6.69	10.34	3.20	4.98	3.30	4.16	1.18	3.08	2.78	2.29	4.43	51.09
1900.	3.32	5.74	5.83	1.75	1.96	7.95	4.22	1.89	3.68	3.28	6.03	2.75	48.40
1901.	3.73	1.11	5.35	5.58	4.53	4.59	2.08	11.05	2.84	0.67	1.13	10.07	52.73
1902.	4.03	2.85	7.46	1.63	1.99	7.97	2.23	2.32	5.13	2.55	3.75	4.71	46.62
1903.	2.23	8.43	5.87	6.02	2.79	3.07	4.35	3.77	T.	2.36	4.36	3.44	46.69
1904.	2.90	3.72	5.14	2.55	2.80	4.01	3.78	3.74	2.05	0.35	3.43	5.78	40.25
1905.	3.46	4.89	3.36	3.92	5.59	2.62	4.17	4.80	2.96	4.84	0.75	4.69	46.05
1906.	4.40	1.82	3.93	3.32	3.03	2.93	7.96	6.71	4.28	2.27	4.86	4.38	49.89
1907.	1.62	4.32	5.07	3.78	4.55	6.02	5.31	4.61	6.54	2.23	5.73	3.91	53.69
1908.	2.83	4.60	5.33	5.67	2.97	3.00	6.11	4.83	2.05	3.99	2.68	5.44	49.50
1909.	4.85	6.07	6.73	5.63	3.73	5.81	8.20	10.96	2.35	2.32	1.26	2.20	60.11
1910.	4.68	3.60	1.70	5.33	6.29	4.10	6.41	4.08	6.27	1.39	1.49	4.11	49.45
1911.	5.66	3.77	5.82	7.25	2.58	4.91	2.06	2.91	3.92	4.48	4.13	4.60	51.55
1912.	3.42	3.80	7.46	10.44	5.19	2.51	6.72	5.18	3.45	0.72	1.27	7.23	57.44
1913.	9.84	4.48	7.18	1.82	6.82	2.51	1.76	0.94	3.14	2.56	1.31	3.69	46.05
Mns.	4.21	4.36	5.46	4.40	4.10	4.30	4.54	4.53	3.42	2.57	3.00	4.61	49.50

TELLICO PLAINS, MONROE COUNTY, TENN.—Elevation 900 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1896.	......	......	......	4.68	2.64	4.10	7.43	2.03	3.81	1.71	5.32	0.81	......
1897.	2.65	4.75	11.22	5.64	2.93	2.80	8.71	2.46	T.	2.16	1.97	5.66	50.95
1898.	5.41	0.73	4.44	4.77	1.75	4.26	5.88	3.72	4.44	5.41	3.28	1.74	45.83
1899.	4.24	9.56	11.09	2.71	3.32	4.08	6.24	3.55	1.78	1.99	1.50	3.96	53.92
1900.	2.97	6.26	4.79	3.92	2.47	7.70	3.65	2.77	3.26	3.04	5.92	4.21	50.96
1901.	6.58	0.85	8.54	7.56	7.52	5.41	2.93	12.37	3.62	1.55	1.54	11.05	69.52
1902.	3.59	4.90	5.36	2.85	3.18	5.02	4.68	3.04	5.73	2.97	4.32	3.92	49.56
1903.	2.50	9.90	7.75	6.83	4.07	5.46	5.58	4.23	0.20	3.69	5.37	1.83	57.41
1904.	2.98	3.16	6.60	1.89	3.63	3.49	4.89	4.92	1.19	T.	3.75	4.56	41.06
1905.	3.42	6.61	3.26	5.28	3.27	7.74	4.53	5.24	1.27	3.54	0.93	7.01	52.10
1906.	4.44	1.04	4.76	2.34	2.12	9.45	12.49	4.72	6.35	2.57	5.65	3.85	59.78
1907.	1.92	4.11	4.27	4.35	5.31	9.62	4.62	5.81	7.02	1.75	5.41	3.57	57.76
1908.	4.07	3.19	4.55	4.09	3.13	2.59	5.55	10.35	1.80	2.41	1.67	7.61	51.01
1909.	3.61	7.78	6.66	......	......	......	......	......	......	......	......	......	......
Mns.	3.72	4.86	6.41	4.38	3.49	5.52	5.94	5.02	3.11	2.52	3.59	4.60	53.16

ASHEVILLE, BUNCOMBE COUNTY, N. C.—Elevation 2,255 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1902.	......	......	......	......	......	......	......	......	6.21	1.43	1.90	2.30	......
1903.	1.61	7.02	7.06	4.38	1.14	5.55	5.59	3.12	0.82	1.77	2.32	0.80	41.18
1904.	1.42	2.06	4.34	1.64	3.17	4.01	2.61	3.55	2.13	0.02	3.10	2.02	30.07
1905.	2.85	3.49	2.13	3.11	5.59	2.92	11.71	4.08	1.13	1.93	0.26	6.36	45.56
1906.	6.69	1.04	3.62	2.35	2.83	6.70	4.60	3.89	5.72	3.44	2.54	1.91	45.33
1907.	0.27	1.12	2.69	3.89	3.33	3.06	2.52	2.84	4.57	0.50	3.00	3.74	31.58
1908.	3.63	3.10	2.87	3.77	3.06	0.91	7.56	7.44	2.32	7.27	0.83	3.59	46.35
1909.	1.58	3.60	5.05	3.75	7.75	7.74	5.54	4.58	2.59	3.28	0.07	3.19	48.72
1910.	2.42	2.39	0.72	1.72	4.65	5.44	4.65	9.12	1.52	2.64	0.85	2.48	38.10
1911.	1.62	2.19	3.03	4.87	2.69	1.35	2.49	8.63	2.26	3.83	2.20	2.60	37.76
1912.	1.10	2.86	4.70	4.17	2.94	4.02	4.64	1.88	3.51	1.54	2.00	0.90	34.26
1913.	2.95	1.59	5.42	3.24	5.12	2.90	3.16	2.41	4.15	2.52	0.81	2.52	36.79
Mns.	2.38	2.77	3.78	3.35	3.84	4.05	5.01	4.69	3.08	2.51	1.62	2.70	39.78

BREVARD, TRANSYLVANIA COUNTY, N. C.—Elevation 2,230 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1883.	......	3.81	2.94	8.75	0.45	5.59	0.10	0.93	4.74	1.95	4.53	5.00	......
1884.	10.57	10.07	14.53	5.02	2.21	12.94	......	2.57	0.70	0.79	4.05	10.28	......
1885.	12.90	5.38	2.18	......	......	......	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1902.	......	......	4.39	......	2.64	8.92	4.13	3.23	4.76	4.70	8.81	7.00	......
1903.	4.10	9.10	17.10	......	3.82	12.00	......	3.37	2.74	2.50	2.29	0.90	......
1904.	3.01	2.92	6.76	1.85	4.74	4.51	2.54	5.51	1.38	0	2.11	4.54	39.87
1905.	5.49	3.24	2.95	4.30	10.19	......	7.38	6.81	2.40	3.72	0.18	9.71	......
1906.	12.50	1.60	8.90	3.43	3.60	14.77	13.89	9.07	14.71	6.09	6.50	6.36	101.42
1907.	0.22	3.06	3.77	4.67	4.71	4.31	......	3.99	5.31	1.01	6.80	7.98	......
1908.	4.23	5.83	4.42	7.01	4.99	3.53	7.53	10.24	3.80	7.45	1.67	4.27	64.97
1909.	3.54	7.14	7.08	4.89	7.39	11.91	8.34	4.39	3.90	3.35	0.47	7.11	69.51
1910.	2.42	5.58	2.03	2.30	8.76	5.22	6.81	12.23	7.29	2.88	0.32	4.12	59.96
1911.	3.87	2.48	2.47	9.60	2.24	2.02	6.40	6.69	7.65	8.23	4.96	4.35	61.14
1912.	2.53	4.17	10.06	5.75	3.06	7.83	6.60	2.45	5.96	2.15	3.30	3.00	56.86
1913.	2.81	4.63	......	......	......	......	......	......	6.39	4.12	1.68	......	......
Mns.	5.25	4.93	6.40	5.23	4.52	7.80	6.37	5.50	5.12	3.50	2.12	5.75	62.49

BRYSON CITY, SWAIN COUNTY, N. C.—Elevation 2,000 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1887.	......	......	......	......	......	......	......	......	1.72	4.23	......	......	......
1888.	......	3.75	6.56	2.32	5.71	1.76	3.82	8.78	6.87	6.60	5.19	2.06	......
1889.	4.77	3.80	1.84	1.74	3.47	3.79	6.56	8.01	3.56	0.82	5.39	1.50	45.25
1890.	2.97	8.37	4.55	5.03	5.54	1.51	7.04	6.09	5.04	5.09	0.24	4.25	55.72
1891.	6.51	9.42	8.67	2.09	1.94	6.24	5.03	4.27	2.76	0.60	2.71	3.93	54.17
1892.	8.33	4.08	3.75	7.89	3.74	4.53	5.83	3.12	1.28	0.26	7.94	3.82	54.07

BRYSON CITY—Continued.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1893.	3.16	6.99	3.16	3.84	6.86	3.74	1.74	3.41	4.32	1.00	2.37	2.74	43.33
1894.	3.70	5.87	2.41	3.13	2.85	3.19	3.82	3.02	2.90	2.50	0.26	5.93	39.58
1895.	7.87	2.54	6.45	3.97	5.08	3.03	5.47	6.56	0.46	2.24	2.42	3.87	49.96
1896.	2.68	5.48	3.92	2.95	1.45	9.05	10.30	3.19	3.70	1.09	8.05	1.02	52.88
1897.	3.88	6.96	11.93	4.79	3.55	3.30	5.29	2.72	0.50	2.43	1.43	6.78	53.56
1898.	6.40	1.17	7.28	5.40	2.27	2.60	6.26	8.60	9.15	6.46	3.66	2.55	61.80
1899.	4.44	9.38	12.77	2.47	5.30	3.90	4.57	5.53	2.39	2.97	2.20	4.32	60.24
1900.	2.85	7.72	7.33	4.67	1.21	6.31	2.88	4.48	3.02	2.87	4.80	4.76	52.90
1901.	4.89	2.49	6.59	6.64	7.48	3.64	4.09	13.26	2.86	0.80	1.19	9.84	63.77
1902.	3.95	6.29	6.81	2.75	2.48	4.32	1.12	3.83	4.77	1.71	4.55	4.13	46.71
1903.	2.45	10.92	8.69	8.61	1.92	7.60	3.54	2.90	0.12	2.31	4.08	1.14	54.28
1904.	3.72	3.72	6.64	3.42	2.19	1.76	5.53	3.67	0.64	0.30	3.49	4.26	39.34
1905.	4.32	7.76	3.52	3.88	5.13	4.54	5.47	6.73	0.91	4.06	1.68	6.82	54.82
1906.	6.41	1.51	4.97	3.31	2.95	5.81	9.48	4.38	5.91	3.54	4.55	4.94	57.76
1907.	1.59	3.11	3.76	4.50	4.55	6.58	5.86	2.56	7.18	1.51	4.84	4.54	50.58
1908.	4.09	4.76	5.07	5.81	3.81	2.33	7.25	5.61	1.72	4.42	1.45	7.06	53.38
1909.	3.38	6.78	7.32	4.19	8.30	8.84	6.18	5.98	2.85	3.92	0.87	4.45	63.06
1910.	3.22	4.20	1.36	4.00	8.72	5.74	7.54	3.37	2.23	0.93	1.95	5.90	49.16
1911.	4.65	4.38	5.85	6.68	0.71	4.88	5.50	3.42	3.70	4.40	4.22	5.66	54.05
1912.	4.30	5.21	8.57	7.10	3.75	4.90	5.24	5.88	5.58	2.10	1.88	3.87	58.38
1913.	6.36	6.76	8.60	1.29	5.23	2.90	4.28	3.92	3.10	2.78	1.61	3.92	50.75
Mns.	4.44	5.52	6.09	4.33	4.08	4.49	5.39	5.12	3.31	2.66	3.19	4.37	52.99

HENDERSONVILLE, HENDERSON COUNTY, N. C.—Elevation 2,167 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1890.	......	......	......	......	......	......	......	......	2.28	6.58	0.32	2.08	......
1891.	7.80	10.73	11.67	1.35	3.58	3.50	6.86	3.55	4.97	0.10	8.00	4.09	66.20
1892.	6.72	1.87	3.65	6.85	......	......	......	......	......	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1898.	......	......	......	......	......	5.71	11.21	8.61	7.81	11.64	3.08	3.95	......
1899.	3.75	9.43	9.27	4.21	3.74	5.08	4.07	5.40	2.26	2.38	1.80	7.09	58.48
1900.	3.94	0.10	5.76	8.06	8.83	8.79	5.75	1.53	3.80	4.10	3.47	4.98	64.11
1901.	3.39	1.76	6.55	8.52	8.94	9.13	5.22	26.58	5.78	2.90	1.32	12.51	92.60
1902.	2.15	8.75	5.99	1.90	2.14	5.51	1.74	3.26	5.97	4.26	3.46	5.65	50.78
1903.	4.24	10.00	10.56	4.38	2.88	7.01	6.50	5.56	3.52	1.98	2.42	1.55	60.60
1904.	2.48	3.80	5.88	2.13	4.68	4.25	3.65	6.31	1.44	0.01	3.20	3.13	40.96
1905.	5.20	5.86	2.57	2.02	7.97	7.02	12.90	11.31	1.83	3.42	0.38	8.70	69.18
1906.	12.40	1.21	6.81	2.42	8.11	10.28	6.72	**9.00**	**14.00**	4.26	2.78	4.04	77.03
1907.	0.39	1.69	3.51	2.91	5.69	5.67	2.91	3.64	5.53	0.91	6.29	9.06	48.20
1908.	5.54	8.19	4.01	5.35	3.74	3.05	6.81	12.17	2.78	10.53	1.51	6.39	69.89
1909.	4.44	5.84	6.74	4.14	6.65	10.45	5.04	5.64	6.48	3.58	0.57	5.70	65.28
1910.	3.57	4.58	1.91	2.35	6.97	5.38	9.58	11.74	3.49	4.78	0.21	5.05	59.61
1911.	4.68	3.06	3.26	7.91	1.88	0.96	2.58	5.51	2.63	6.33	3.88	6.51	49.19
1912.	2.32	4.90	7.70	4.54	6.99	7.08	7.72	3.17	4.94	1.75	2.53	3.05	56.69
1913.	3.41	4.13	10.14	2.93	......	......	......	......	......	......	......	5.56	......
Mns.	4.50	5.64	6.23	4.23	4.85	6.18	6.20	8.20	4.34	4.09	2.66	5.50	62.62

HOT SPRINGS, MADISON COUNTY, N. C.—Elevation 1,326 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1906.	......	......	......	......	......	......	......	......	......	2.48	4.15	3.38	......
1907.	0.28	2.21	3.15	4.05	4.97	5.02	5.90	4.28	5.32	1.80	4.31	2.23	43.52
1908.	5.15	2.85	3.94	3.89	3.42	2.36	8.35	6.61	1.18	5.99	1.98	6.02	51.74
1909.	1.80	4.12	6.82	4.07	4.90	6.93	6.41	7.55	3.01	2.57	0.35	2.41	50.94
1910.	3.76	2.72	0.64	3.22	4.89	4.51	8.38	4.96	3.61	1.47	1.61	2.41	42.18
1911.	2.18	3.19	5.53	5.02	0.54	1.97	5.39	3.98	3.56	3.42	2.52	2.05	39.35
1912.	1.87	3.44	4.57	7.05	3.05	3.37	6.14	1.61	3.00	1.35	2.03	2.30	39.78
1913.	4.37	2.56	6.43	2.98	5.66	5.95	1.37	6.09	3.61	2.33	1.96	1.61	44.92
Mns.	2.77	3.01	4.44	4.33	3.92	4.30	5.99	5.01	3.33	2.68	2.36	2.80	44.94

LINVILLE, MITCHELL COUNTY, N. C.—Elevation 3,800.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1891.	......	......	......	......	......	......	......	......	......	1.10	10.79	7.37	......
1892.	1.89	1.29	2.01	3.75	4.82	......	......	......	......	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1895.	6.62	2.30	6.05	9.60	7.79	3.49	5.24	6.89	2.55	1.21	2.53	8.94	63.21
1896.	3.82	5.66	3.58	4.80	2.67	4.62	11.24	1.58	9.38	1.58	6.74	1.62	57.29
1897.	3.98	10.23	6.92	5.12	4.54	6.75	7.38	2.82	1.83	3.57	2.24	4.47	59.95
1898.	4.38	0.90	3.71	3.03	2.65	4.58	9.29	8.48	9.59	18.49	2.54	3.41	71.05
1899.	3.38	7.13	11.89	2.45	2.92	3.21	3.39	5.60	4.41	2.00	1.50	7.42	55.30
1900.	2.63	5.34	7.60	5.51	2.17	7.07	3.99	3.70	4.42	13.40	4.47	3.95	64.25
1901.	2.97	3.15	......	......	......	......	......	......	5.82	2.07	0.52	13.66	......
1902.	1.71	8.90	3.92	2.33	4.18	7.49	3.67	2.95	7.09	3.90	3.64	3.93	53.71
1903.	3.16	8.45	9.55	......	1.82	5.51	4.55	4.15	4.97	......	3.83	2.50	......
1904.	3.30	2.97	7.04	3.11	9.85	4.47	4.69	5.63	2.23	0	3.40	3.46	50.15
1905.	4.06	6.05	2.25	3.44	7.06	7.74	11.21	9.70	0	3.66	0	......	......
1906.	......	1.46	4.15	3.61	2.76	6.80	11.31	......	16.02	9.28	......	......	......
Mns.	3.49	4.91	5.72	4.25	4.44	5.61	6.91	5.15	5.69	5.02	3.52	5.52	60.23

MARSHALL, MADISON COUNTY, N. C.—Elevation 1,646 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1898.	......	......	......	......	......	......	......	......	......	......	1.65	1.34	......
1899.	2.11	5.48	10.79	2.42	2.93	3.87	3.30	3.43	2.34	1.63	1.92	2.64	42.86
1900.	1.26	4.07	3.69	2.62	1.46	8.33	1.49	2.69	3.63	3.51	3.25	3.09	39.09
1901.	3.58	0.89	4.58	4.79	5.27	2.09	2.92	14.42	3.32	**1.00**	0.59	8.66	52.11
1902.	1.35	6.28	4.17	2.15	1.68	7.49	2.42	5.35	3.35	1.67	2.81	**2.50**	41.22
1903.	......	6.11	7.10	6.14	2.07	3.28	......	......	......	......	3.42	0.60	......
1904.	1.60	1.72	4.84	2.21	1.65	3.90	......	......	......	......	......	1.41	......
1905.	1.24	2.45	1.34	3.21	6.15	6.16	8.67	7.02	0.22	2.51	0.84	5.21	45.02
1906.	5.45	0.55	5.55	4.54	......	......	......	......	......	......	......	2.82	......
1907.	0.26	2.15	......	......	......	......	......	......	......	......	2.36	......	......
1908.	3.98	5.00	......	......	......	......	3.26	6.07	......	......	......	......	......
1909.	**1.50**	2.83	4.01	3.50	5.85	7.62	5.91	4.45	3.90	2.51	0.22	1.90	44.20
1910.	1.98	2.02	0.21	1.33	4.70	3.04	4.81	4.75	2.73	1.21	2.19	2.18	31.15
1911.	......	......	......	4.84	0.32	1.67	2.68	7.39	2.34	4.37	2.59	2.26	......
1912.	0.86	2.28	4.71	5.71	3.10	**4.00**	3.50	1.85	3.86	1.52	1.81	2.10	35.31
1913.	3.68	2.62	7.27	2.68	5.06	3.33	1.49	4.45	3.30	2.56	1.03	2.10	39.57
Mns.	2.22	3.18	4.86	3.55	3.35	4.56	3.68	5.62	2.90	2.25	1.90	2.77	40.84

MURPHY, CHEROKEE COUNTY, N. C.—Elevation 1,614 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1872.	......	......	7.40	4.50	2.70	8.20	7.50	6.80	3.80	......	5.30	12.50	......
1873.	8.25	15.10	5.40	2.60	4.00	4.50	7.75	4.50	3.30	2.50	2.60	5.40	65.90
1874.	5.40	6.70	9.00	15.40	2.40	5.80	4.20	13.20	3.90	2.00	6.80	3.50	78.40
1875.	8.00	12.10	14.10	5.40	1.20	6.40	8.30	7.60	4.90	2.90	4.60	9.30	84.80
1876.	4.70	4.70	5.80	6.30	10.50	6.60	5.90	2.90	0.20	2.40	......	4.80	......
1877.	7.10	1.60	5.80	6.90	1.40	5.10	7.80	3.30	5.00	8.40	6.10	3.50	57.00
1878.	4.00	2.30	3.40	6.10	1.80	2.90	5.40	6.40	1.60	5.70	4.00	5.60	49.20
1879.	8.60	4.80	4.00	3.60	2.40	2.10	6.50	6.70	0.70	5.30	4.40	8.20	57.30
1880.	3.10	4.00	11.70	9.30	4.50	2.90	5.30	7.80	3.80	3.10	6.60	6.70	68.80
1881.	4.60	6.20	5.50	4.20	2.20	6.35	3.55	1.35	4.90	6.40	2.70	6.55	53.50
1882.	14.85	7.40	6.40	5.30	4.02	6.05	8.20	5.90	1.73	3.80	4.40	3.10	70.55
1883.	10.60	5.30	5.20	9.45	1.50	5.25	8.10	......	......	......	......	......	......
1884.	......	10.60	11.70	5.45	2.50	9.31	6.40	3.05	1.00	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1888.	......	4.75	7.80	2.58	6.84	3.70	6.31	7.67	7.30	5.49	7.45	2.10	......
1889.	6.01	5.71	2.35	2.33	3.75	6.48	7.11	6.09	3.93	2.16	6.75	1.53	54.20
1890.	4.26	10.48	4.89	4.61	5.40	3.77	7.71	6.25	6.98	6.32	0.84	5.86	67.37
1891.	6.60	12.87	10.41	2.09	1.87	6.79	7.88	6.71	2.61	0.52	4.18	4.98	67.51
1892.	10.04	4.08	4.27	9.38	3.79	8.11	5.02	4.90	1.49	0.25	9.19	3.55	64.07
1893.	2.69	7.14	3.50	3.21	6.28	5.61	3.96	3.03	5.01	0.75	1.64	2.91	45.78
1894.	4.05	6.40	3.03	3.10	2.49	7.71	3.65	3.29	1.38	2.49	0.74	7.31	45.64
1895.	......	2.74	7.10	4.20	5.24	2.10	8.28	3.50	3.43	1.82	2.73	4.22	......
1896.	2.64	4.13	2.62	3.23	3.15	6.33	9.82	2.21	3.55	2.07	8.71	1.16	49.62
1897.	3.36	6.02	11.98	5.43	2.97	2.94	10.39	3.50	0.60	2.59	1.96	6.85	58.59
1898.	5.85	0.87	5.46	6.12	1.58	3.75	6.31	9.73	7.37	5.73	3.45	1.09	57.31
1899.	4.02	10.24	12.72	3.81	2.79	4.41	4.51	3.09	2.34	2.28	3.15	4.81	58.12
1900.	3.55	6.45	7.07	4.83	2.19	8.87	4.04	2.78	3.19	5.19	5.22	5.45	58.83
1901.	7.50	2.49	6.65	5.37	9.30	6.05	1.23	10.77	4.24	0.55	1.70	8.48	64.33
1902.	6.87	6.17	6.25	2.15	1.89	3.24	2.13	2.22	4.90	1.89	4.47	4.78	46.96
1903.	2.53	10.25	6.97	4.92	2.60	6.61	4.23	3.36	0.53	2.96	2.83	2.22	50.01
1904.	3.85	4.13	6.68	2.92	2.29	6.59	4.19	8.49	1.93	T.	3.05	4.60	48.72
1905.	3.99	6.74	3.39	4.79	4.75	3.45	9.02	5.02	0.70	4.70	2.60	8.10	57.21
1906.	8.60	0.56	6.42	2.69	2.08	5.70	8.96	6.88	7.48	4.31	9.27	6.18	69.07
1907.	1.75	4.71	4.10	3.08	5.64	6.19	5.20	4.95	7.09	1.61	4.73	5.78	58.43
1908.	3.36	4.89	5.71	4.27	4.52	1.85	5.52	4.31	1.90	3.38	2.10	5.60	47.41
1909.	3.35	9.37	9.59	3.40	10.47	6.45	5.64	3.88	3.62	4.97	0.70	4.11	65.55
1910.	4.36	2.85	2.65	3.80	9.45	8.82	11.28	6.25	3.56	1.57	1.50	6.43	62.52
1911.	6.45	3.20	**4.50**	7.31	1.66	1.58	6.59	4.11	4.19	5.16	4.48	5.51	54.74
1912.	3.97	5.98	8.67	7.08	3.42	6.10	4.21	4.64	5.17	2.93	1.82	4.41	58.40
1913.	6.12	6.41	7.26	0.86	5.29	4.88	5.68	2.15	4.24	3.16	1.51	3.63	51.19
Mns	5.57	6.06	6.60	4.92	3.92	5.38	6.12	5.27	3.51	3.12	4.01	5.16	59.64

ROCK HOUSE, MACON COUNTY, N. C.—Elevation 3,100 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1891.	......	......	......	......	......	......	......	......	......	......	......	10.09	......
1892.	16.57	5.30	5.29	7.30	4.00	17.02	9.33	10.15	7.87	0.62	7.03	2.85	93.83
1893.	5.17	9.18	3.46	5.24	4.42	9.13	3.94	8.31	15.56	1.56	3.17	3.47	72.61
1894.	6.00	7.95	3.15	2.65	4.56	5.60	7.05	8.56	5.66	3.38	0.75	8.35	63.66
1895.	9.33	3.32	7.30	10.92	6.91	5.30	4.94	12.54	0.64	2.10	3.75	5.63	72.68
1896.	4.74	6.19	2.80	1.86	7.19	5.90	11.58	1.26	4.02	3.89	12.15	1.29	62.87
1897.	4.78	9.76	8.80	10.52	2.00	6.81	9.25	1.83	1.24	3.35	4.80	5.99	69.13
1898.	5.78	1.50	8.39	5.39	1.62	2.01	17.14	16.93	11.16	18.42	6.32	5.31	99.97
1899.	5.76	13.10	13.15	5.97	2.22	7.24	4.76	6.92	1.17	4.15	3.16	7.51	75.11
1900.	4.28	12.98	7.10	9.06	2.28	19.92	9.43	3.36	6.74	8.63	5.94	6.67	96.39
1901.	5.85	3.29	10.14	9.29	9.74	7.40	8.16	26.43	6.10	2.92	1.41	15.16	105.89
1902.	3.80	10.26	9.25	2.58	2.96	6.20	5.59	2.10	11.30	4.15	5.80	8.84	72.83
1903.	4.98	14.04	14.16	5.34	5.80	11.44	2.80	6.42	5.56	3.37	3.57	2.80	80.28
1904.	4.33	6.80	8.14	3.97	7.14	4.78	8.35	11.30	2.40	0.05	4.49	6.28	68.03
1905.	6.53	7.94	4.15	5.36	11.04	9.55	10.56	14.36	1.59	6.07	0.88	11.43	89.46
1906.	12.94	1.70	9.95	3.91	4.09	8.83	15.30	12.09	22.46	8.80	6.11	7.67	118.85
1907.	1.56	3.32	4.39	5.10	6.36	4.46	5.22	7.57	6.72	2.19	9.22	10.78	66.89
1908.	7.14	7.31	6.57	7.48	3.66	5.32	8.94	10.73	2.87	8.82	2.84	8.92	80.60
1909.	5.72	10.58	9.71	7.96	10.38	13.07	6.76	6.26	9.67	2.86	1.11	8.56	92.64
1910.	4.87	8.32	1.87	3.66	12.63	6.62	8.47	9.20	5.77	3.53	0.83	6.90	72.17
1911.	5.67	4.07	4.05	14.22	2.91	3.10	6.17	18.32	4.49	8.01	6.72	8.72	81.45
1912.	6.10	7.79	11.97	7.02	8.12	9.41	16.01	2.69	7.70	2.91	3.52	6.20	89.44
1913.	7.30	7.57	16.18	3.74	4.73	10.43	6.85	5.69	9.79	5.16	2.12	6.40	85.96
Mns.	6.42	7.38	7.70	6.30	5.68	8.16	8.48	9.00	6.84	4.77	4.35	7.21	82.29

Record for Horse Cove from December, 1891, to March, 1909, inclusive.

WAYNESVILLE, HAYWOOD COUNTY, N. C.—Elevation 2,792 feet.

Year.	Jan.	Feb.	Mch.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An'al.
1894.	......	......	......	......	3.58	3.17	3.84	4.37	1.88	2.63	0.29	5.29	......
1895.	6.97	1.86	5.92	3.09	5.97	4.46	4.15	7.05	0.64	2.02	2.30	3.30	47.73
1896.	1.91	4.31	3.06	1.81	6.11	5.14	12.05	0.79	4.14	0.71	6.20	0.79	47.02
1897.	2.93	5.70	9.23	5.08	0.99	5.89	4.89	2.73	0.19	1.67	1.33	3.67	44.30
1898.	4.36	0.50	5.48	3.95	1.96	3.11	5.02	7.35	3.66	5.45	2.42	2.26	45.52
1899.	3.52	10.73	13.01	3.00	3.01	2.11	2.66	3.27	2.60	2.89	1.19	3.51	51.50
1900.	2.38	6.97	6.00	6.41	1.01	7.64	3.55	2.25	2.49	2.12	3.57	4.08	48.47
1901.	4.83	1.40	7.07	6.12	9.63	4.05	2.94	10.80	2.31	0.52	0.61	9.56	59.84
1902.	2.12	7.99	4.57	2.40	2.81	3.62	3.00	1.43	5.55	1.34	3.36	2.52	40.71
1903.	1.73	8.65	7.85	4.69	1.90	4.27	3.05	4.75	0.80	1.65	2.75	2.25	44.34
1904.	2.55	2.15	5.00	3.15	2.00	**2.90**	2.17	3.12	0.39	T.	2.15	1.08	26.66
1905.	**3.50**	**5.60**	1.98	**3.60**	5.66	3.86	6.17	5.83	1.46	2.64	0.84	6.92	48.06
1906.	7.83	1.53	5.31	3.15	4.52	6.50	7.38	4.84	5.82	3.43	4.04	2.95	57.80
1907.	0.70	2.36	3.76	2.94	4.56	4.60	7.08	3.93	5.90	0.79	4.52	3.74	44.88
1908.	4.67	4.56	5.02	4.55	4.43	1.83	4.39	3.74	1.73	7.81	1.02	6.46	50.21
1909.	1.60	6.35	7.26	1.82	7.81	8.19	6.03	4.17	2.58	2.75	0.10	3.70	52.36
1910.	3.34	3.39	2.17	2.78	5.58	5.69	5.43	6.74	1.91	2.07	1.04	3.76	48.90
1911.	3.98	3.20	3.42	7.76	0.98	1.82	5.03	3.35	2.34	4.10	3.88	4.78	44.64
1912.	4.01	5.63	8.09	5.80	3.58	6.26	3.55	4.37	3.06	1.91	2.21	2.87	51.34
1913.	4.64	4.00	10.27	2.72	4.92	3.80	2.67	2.57	2.95	2.50	1.28	3.82	45.64
Mns.	3.56	4.57	6.02	3.94	4.05	4.68	4.75	4.37	2.62	2.45	2.26	3.84	47.11

Snowfall.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
Asheville, N. C.	11	3.6	3.2	0.6	0.1	0	0	0	0	0	0.2	0.8	0.8	9.3
Benton, Tenn	20	1.1	4.9	0.8	0.6	0	0	0	0	0	0	0.6	2.2	10.2
Brevard, N. C	12	3.2	3.7	T.	T.	0	0	0	0	0	0	0.8	0.8	8.5
Bryson City, N. C	21	2.6	4.4	0.5	T.	0	0	0	0	0	T.	0.9	2.3	10.7
Chattanoga, Tenn	35	2.1	2.6	0.4	0.2	0	0	0	0	0	T.	0.3	1.2	6.9
Decatur, Tenn	18	1.7	3.1	0.6	T.	0	0	0	0	0	T.	0.6	1.1	7.1
Greeneville, Tenn	23	4.5	4.2	1.8	1.9	T.	0	0	0	0	T.	1.5	4.4	18.3
Hendersonville, N. C	17	2.7	2.7	0.6	0.1	0	0	0	0	0	0	0.6	0.7	7.4
Hot Springs, N. C	11	6.0	5.6	1.2	0.7	0	0	0	0	0	T.	2.3	1.7	17.5
Knoxville, Tenn	28	3.0	3.0	0.8	0.3	T.	0	0	0	0	T.	0.4	1.9	9.4
Linville, N. C	13	6.5	6.8	2.9	1.9	0	0	0	0	0	0.2	1.1	5.4	24.8
Marshall, N. C	13	5.1	3.8	1.5	1.2	0	0	0	0	0	T.	0.8	1.7	14.1
Mountain City, Tenn	16	6.6	5.0	3.0	1.4	T.	0	0	0	0	0.2	1.8	4.7	22.7
Murphy, N. C	19	2.7	5.7	0.6	T.	0	0	0	0	0	T.	0.1	1.3	10.4
Rock House, N. C	22	3.9	4.7	0.5	0.4	T.	0	0	0	0	T.	0.6	1.5	11.6
Rogersville, Tenn	28	3.8	3.2	1.1	0.9	0	0	0	0	0	T.	0.6	2.6	12.2
Rugby, Tenn	24	5.1	5.9	2.6	0.8	T.	0	0	0	0	T.	1.5	3.3	19.2
Springdale, Tenn	18	4.6	4.0	1.2	0.5	T.	0	0	0	0	T.	1.0	2.7	14.0
Waynesville, N. C	20	3.7	4.7	0.8	0.4	T.	0	0	0	0	0.6	1.4	1.3	12.9

Average number of days with 0.01 inch or more of precipitation.

Asheville, N. C	11	9	10	12	11	13	15	16	15	10	6	6	10	133
Benton, Tenn	27	8	8	9	8	8	9	10	8	5	4	5	8	90
Brevard, N. C	13	6	7	9	8	9	15	15	14	9	5	5	7	109
Bryson City, N. C	21	11	11	13	11	9	11	12	11	7	6	7	11	120
Chattanoga, Tenn	35	13	12	13	11	10	13	13	12	9	7	9	12	134
Decatur, Tenn	18	12	11	13	11	10	13	14	11	8	7	9	13	132
Greeneville, Tenn	23	12	11	12	10	12	11	13	11	7	7	7	10	123
Hendersonville, N. C	17	8	10	10	8	11	13	15	13	8	6	6	9	117
Hot Springs, N. C	8	9	10	11	12	11	11	12	9	9	6	6	10	116
Knoxville, Tenn	43	13	11	13	12	12	13	12	12	8	7	9	13	135
Linville, N. C	13	7	7	10	8	8	11	11	9	6	5	6	8	96
Marshall, N. C	12	8	10	10	11	10	13	11	12	8	7	6	9	115
Mountain City, Tenn	16	12	11	12	12	13	14	14	13	9	7	8	12	137
Murphy, N. C	21	10	10	11	10	9	11	11	10	7	5	7	10	111
Rock House, N. C	22	9	9	11	10	11	14	17	16	10	6	7	9	129
Rogersville, Tenn	27	12	12	14	12	12	12	13	12	8	7	9	11	134
Rugby, Tenn	24	10	9	10	10	10	10	10	8	6	5	6	9	103
Springdale, Tenn	15	11	10	11	11	9	9	11	9	6	5	7	11	110
Waynesville, N. C	20	8	8	10	10	11	13	14	12	8	6	6	8	114

Mean temperature.

Asheville, N. C.	11	38.1	37.7	48.7	53.8	62.7	68.8	73.0	71.4	66.6	55.5	45.7	35.6	54.8
Benton, Tenn	30	40.9	42.4	50.8	59.4	67.1	74.0	77.1	76.5	71.5	59.6	48.9	41.8	59.1
Brevard, N. C	13	37.4	38.2	48.8	54.1	63.8	68.3	72.0	72.1	67.1	55.9	45.1	37.9	55.1
Chattanooga, Tenn	35	41.8	43.6	51.9	59.6	68.7	75.6	78.4	77.5	72.1	61.3	50.8	42.9	60.4
Decatur, Tenn	18	40.0	40.0	51.7	58.0	67.9	74.6	77.7	77.3	71.6	59.8	48.3	39.9	58.9
Greeneville, Tenn	23	36.4	39.1	47.2	56.1	64.7	72.0	74.6	73.4	69.0	56.9	46.5	39.0	56.2
Hendersonville, N. C	17	38.3	38.6	47.8	54.1	63.2	69.5	72.3	72.1	66.5	56.1	46.3	39.1	55.3
Hot Springs, N. C	16	42.3	41.5	50.7	56.9	65.9	72.0	75.1	74.1	70.3	58.1	48.9	41.6	58.1
Knoxville, Tenn	43	38.5	41.2	49.1	57.9	66.9	74.0	77.0	75.9	70.5	58.8	47.5	39.8	58.1
Linville, N. C	13	31.4	30.5	40.2	46.2	57.2	63.2	65.9	65.3	59.5	48.6	40.1	32.6	48.4
Marshall, N. C	12	37.5	38.4	48.3	54.3	64.4	71.3	74.8	73.2	67.9	58.5	46.3	37.7	56.0
Mountain City, Tenn	17	35.5	33.7	45.6	50.6	61.3	67.1	70.2	68.9	63.9	53.3	42.4	34.9	52.3
Rock House, N. C	22	37.7	37.8	47.3	53.4	62.7	68.5	70.9	70.6	66.1	55.8	46.5	39.2	54.7
Rogersville, Tenn	29	36.8	38.8	47.8	56.0	64.9	71.9	74.8	74.0	69.0	57.0	46.1	38.1	56.3
Rugby, Tenn	26	36.0	36.5	46.8	54.5	64.0	71.3	74.1	73.1	67.7	54.9	44.7	37.3	55.1
Springdale, Tenn	20	37.6	39.2	49.1	56.6	66.2	74.0	76.4	76.0	70.0	56.7	45.9	36.8	57.0
Waynesville, N. C	20	37.7	36.9	48.0	52.7	62.0	67.9	70.6	70.3	65.2	54.0	45.4	38.0	54.1

Mean maximum temperature.

Asheville, N. C	11	47.8	47.4	59.0	64.5	73.6	79.2	81.7	81.2	76.7	66.8	56.9	47.2	65.2
Benton, Tenn	16	52.4	52.1	64.6	70.6	81.2	87.2	89.6	89.8	85.5	74.4	61.9	51.9	71.8
Brevard, N. C	12	49.3	49.8	62.7	67.8	77.2	80.9	83.8	84.1	78.9	70.0	59.9	49.0	67 8
Chattanooga, Tenn	35	49.7	52.4	61.3	70.1	79.3	85.5	87.7	86.7	82.0	71.8	60.0	51.2	69.8
Decatur, Tenn	18	50.5	51.1	63.6	71.0	81.6	87.1	89.6	89.5	84.7	74.0	61.3	50.1	71.2
Greeneville, Tenn	10	46.6	46.8	60.1	65.9	77.6	83.3	85.9	85.1	81.1	70.9	57.1	42.5	66.9
Hendersonville, N. C	17	49.3	49.3	59.2	66.3	75.9	80.9	83.4	82.8	77.9	67.8	58.6	49.6	66.7
Hot Springs, N. C	13	52.1	51.1	62.3	68.2	78.1	82.8	85.5	84.7	79.9	71.2	60.5	51.5	69.0
Knoxville, Tenn	39	47.2	50.0	59.2	68.4	77.7	84.2	86.9	85.8	81.2	70.2	57.8	47.6	68.1
Linville, N. C	13	40.7	39.9	50.2	57.4	68.6	73.2	75.2	74.5	69.8	60.1	50.9	42.3	58.6
Marshall, N. C	12	48.2	48.9	60.5	67.1	78.0	83.8	86.8	85.1	79.7	72.2	59.9	48.1	68.2
Mountain City, Tenn	16	45.6	44.2	57.1	63.0	73.8	78.6	80.8	79.5	74.9	65.1	54.1	44.5	63.4
Rock House, N. C	22	45.8	46.6	56.2	62.7	72.2	77.8	79.8	79.1	75.0	65.5	55.6	47.3	63.6
Rogersville, Tenn	18	47.9	48.3	61.0	68.1	77.9	83.1	85.8	85.4	82.2	72.0	58.8	47.6	68.2
Rugby, Tenn	17	47.0	47.0	60.5	66.4	77.6	83.7	86.9	86.4	82.0	71.1	57.9	46.8	67.8
Springdale, Tenn	14	48.7	49.2	62.9	69.1	81.4	86.5	89.1	88.6	84.1	72.3	59.5	47.6	69.9
Waynesville, N. C	20	48.6	48.1	59.4	65.0	74.9	80.0	82.1	81.9	77.5	68.2	58.3	48.6	66.0

Mean minimum temperature.

Asheville, N. C	11	28.5	27.8	38.4	43.0	51.6	59.4	62.3	61.7	55.9	43.7	34.5	30.0	44.7
Benton, Tenn	16	31.0	29.7	41.3	45.7	54.7	62.0	65.8	65.5	59.9	46.2	35.2	30.9	47.3
Brevard, N. C	12	25.9	25.6	36.1	40.5	49.8	55.7	60.4	60.4	55.1	41.1	30.6	25.9	42.3
Chattanooga, Tenn	35	33.4	34.8	42.5	50.3	58.0	65.8	69.1	68.3	62.7	51.0	41.0	34.6	51.0
Decatur, Tenn	18	29.6	28.8	39.7	44.8	54.2	62.0	65.8	65.1	58.6	45.6	35.1	29.7	46.6
Greeneville, Tenn	10	26.7	26.2	38.5	41.9	52.6	60.5	63.4	62.8	56.4	45.2	35.3	28.6	44.8
Hendersonville, N. C	17	27.5	28.1	36.6	42.1	50.4	58.2	61.4	61.2	55.5	44.5	34.2	28.6	44.0
Hot Springs, N. C	13	32.3	31.7	40.4	45.0	54.4	61.0	64.9	64.3	59.9	46.4	36.7	32.3	47.4
Knoxville, Tenn	39	30.5	32.2	39.5	47.5	56.1	64.2	67.6	66.4	60.6	48.1	38.0	31.9	48.6
Linville, N. C	13	22.2	21.1	30.3	34.9	45.9	53.2	56.6	56.1	49.2	37.0	29.3	23.0	38.2
Marshall, N. C	12	26.6	26.3	35.8	41.3	50.9	58.7	62.7	61.3	56.2	45.0	32.7	27.3	43.7
Mountain City, Tenn	16	25.0	23.4	33.9	38.2	48.2	55.6	59.6	58.7	53.0	41.0	30.4	24.8	41.0
Rock House, N. C	22	29.8	28.6	38.5	44.0	53.2	59.2	62.0	61.9	57.2	46.3	37.7	31.3	45.8
Rogersville, Tenn	18	27.9	27.5	37.9	43.2	53.1	60.9	64.7	63.7	57.8	45.4	34.1	28.1	45.4
Rugby, Tenn	17	26.1	24.3	36.1	40.2	49.9	57.6	61.8	60.8	54.3	41.3	31.9	25.9	42.5
Springdale, Tenn	14	26.9	26.1	36.7	40.5	51.7	59.7	63.6	63.9	56.0	41.8	31.5	26.0	43.7
Waynesville, N. C	20	27.1	25.2	36.3	40.5	49.0	55.5	59.1	58.6	52.8	39.9	32.3	26.7	41.9

Highest temperature.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	Annual.
Asheville, N. C	11	72	74	86	86	90	92	94	90	88	85	75	70	92
Benton, Tenn	27	75	78	89	91	96	101	102	100	101	94	80	75	102
Brevard, N. C	13	74	74	87	85	93	95	92	94	90	90	78	74	95
Chattanooga, Tenn	35	75	78	89	90	95	100	101	101	98	92	81	73	101
Decatur, Tenn	18	76	75	91	89	96	100	104	101	100	96	79	72	104
Greeneville, Tenn	23	73	78	82	88	91	95	97	97	96	90	78	69	97
Hendersonville, N. C	17	77	74	88	87	93	95	95	95	94	87	79	75	95
Hot Springs, N. C	16	77	78	90	89	92	96	98	102	93	88	86	74	102
Knoxville, Tenn	43	74	79	87	90	95	99	100	100	99	94	80	75	100
Linville, N. C	13	61	63	75	79	83	83	89	85	82	74	67	60	89
Marshall, N. C	12	73	75	85	92	95	97	99	95	95	92	80	70	99
Mountain City, Tenn	17	74	71	82	85	89	91	92	93	88	87	78	72	93
Rock House, N. C	22	69	69	84	87	89	93	91	92	93	82	73	72	93
Rogersville, Tenn	29	71	79	86	90	94	98	100	98	97	91	80	68	100
Rugby, Tenn	26	73	76	88	88	95	99	100	98	98	89	80	70	100
Springdale, Tenn	15	75	77	88	92	95	99	100	100	104	88	79	73	104
Waynesville, N. C	20	76	73	89	89	90	92	97	93	90	86	80	74	97

Lowest temperature.

Asheville, N. C	11	−1	−6	14	23	31	41	48	47	35	20	12	3	−6
Benton, Tenn	27	−9	−28	1	23	31	39	50	50	31	20	11	3	−28
Brevard, N. C	13	−3	−5	13	15	28	36	43	45	31	15	6	2	−5
Chattanooga, Tenn	35	−7	−10	2	25	37	39	56	54	38	27	16	3	−10
Decatur, Tenn	18	−9	−20	2	22	30	40	51	52	34	19	12	1	−20
Greeneville, Tenn	26	−20	−14	3	21	31	35	51	49	28	24	10	−8	−20
Hendersonville, N. C	17	−8	−9	5	20	29	36	47	44	33	18	10	−2	−9
Hot Sprins, N. C	16	2	−4	18	21	31	40	51	49	34	21	12	3	−4
Knoxville, Tenn	43	−16	−10	5	24	34	42	52	50	35	24	12	−5	−16
Linville, N. C	13	−15	−16	−4	11	26	33	38	37	27	14	0	−7	−16
Marshall, N. C	12	−3	−10	3	22	32	41	49	48	31	23	12	−2	−10
Mountain City, Tenn	17	−8	−16	−8	15	25	36	40	38	29	14	4	−9	−16
Rock House, N. C	22	−8	−13	−1	23	30	35	48	50	33	19	9	−5	−13
Rogersville, Tenn	29	−13	−17	7	21	30	40	48	51	33	19	10	−5	−17
Rugby, Tenn	26	−17	−19	−2	16	26	32	42	44	28	16	4	−18	−19
Springdale, Tenn	16	−15	−24	3	17	29	39	51	51	29	19	7	−11	−24
Waynesville, N. C	20	−12	−10	2	15	30	34	43	45	29	14	7	−4	−12

Prevailing wind direction.

Asheville, N. C	11	nw.	nw.	se.	nw.	se.	se.	nw.	se.	se.	nw.	nw.	nw.	nw.
Brevard, N. C	12	n.	s.	s.	s.	s.	s.	s.	s.	s.	n.	n.	n.	s.
Chattanooga, Tenn	35	nw.	nw.	s.	sw.	sw.	sw.	sw.	ne.	ne.	ne.	s.	nw.	sw.
Greeneville, Tenn	23	w.	w.	w.	w.	w.	w.	sw.	w.	sw.	w.	w.	w.	w.
Hendersonville, N. C	17	nw.	nw.	nw.	w.	w.	nw.	w.	nw.	nw.	w.	nw.	nw.	nw.
Hot Springs, N. C	11	w.	w.	w.	w.	w.	w.	w.	w.	w.	e.	w.	w.	w.
Knoxville, Tenn	42	sw.	sw.	sw.	sw.	sw.	sw	sw.	ne.	ne.	ne.	sw.	sw.	sw.
Linville, N. C	12	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.
Marshall, N. C	9	n.	n.	n.	n.	w.	w.	w.	w.	w.	w.	n.	n.	w.
Maryville, Tenn	14	sw.	ne.	ne.	sw.	sw.	sw	sw.	e.	ne.	ne.	ne.	sw.	sw.
Rock House, N. C	22	nw.	nw.	nw.	nw.	sw.	se.	sw.	e.	e.	nw.	nw.	nw.	nw.
Rugby, Tenn	25	n.	n.	n.	n.	nw.	w.	nw.	n.	n.	n.	n.	n.	n.
Waynesville, N. C	20	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	ne.	n.	sw.	sw.	sw.

Average hourly wind movement—in miles.

Asheville, N. C	11	10	10	10	10	7	6	5	5	6	7	8	9	8
Chattanooga, Tenn	35	7	8	8	8	6	5	5	5	5	6	6	7	6
Knoxville, Tenn	41	6	7	7	7	6	5	5	4	4	5	6	6	6

Mean relative humidity—percentage.

Asheville, N. C	8 A.M	10	83	82	83	80	82	85	88	92	90	87	82	84	85
	8 P.M	10	72	70	66	64	67	75	77	80	76	69	65	70	71
Chattanooga, Tenn	8 A.M	25	81	77	77	74	79	81	82	85	85	84	80	80	80
	8 P.M	25	70	65	61	58	63	69	70	72	71	67	65	70	67
Knoxville, Tenn	8 A.M	26	84	81	84	75	79	81	84	87	86	86	84	84	82
	8 P.M	26	70	64	61	55	59	66	67	71	68	64	63	70	65

Sunshine—percentage.

Asheville, N. C	11	52	55	56	59	64	60	60	59	64	68	66	50	59
Chattanooga, Tenn	17	41	45	46	54	62	62	60	60	62	65	54	42	55
Knoxville, Tenn	16	41	49	51	55	68	63	62	59	62	71	60	44	56

Frost data.

Stations.	Length of record, yrs.	Average date of first killing frost in autumn.		Average date of last killing frost in spring.		Earliest date of killing frost in autumn.		Latest date of killing frost in spring.	
Asheville, N. C	11	Oct.	17	April	17	Oct.	3	May	10
Benton, Tenn	19	Oct.	20	April	17	Sept.	30	May	10
Brevard, N. C	12	Oct.	12	April	30	Sept.	27	May	27
Chattanooga, Tenn	35	Oct.	26	April	2	Sept.	30	May	14
Decatur, Tenn	17	Oct.	23	April	18	Oct.	11	May	10
Greeneville, Tenn	14	Oct.	19	April	19	Sept.	30	May	15
Hendersonville, N. C	15	Oct.	17	April	22	Oct.	1	May	15
Hot Springs, N. C	12	Oct.	23	April	17	Oct.	8	May	10
Knoxville, Tenn	43	Oct.	28	April	2	Oct.	1	April	24
Linville, N. C	13	Oct.	1	May	4	Sept.	14	May	27
Marshall, N. C	12	Oct.	18	April	19	Sept.	28	May	15
Mountain City, Tenn	15	Oct.	13	April	30	Sept.	27	May	22
Rock House, N. C	22	Oct.	22	April	19	Sept.	30	May	15
Rogersville, Tenn	20	Oct.	19	April	20	Sept.	30	May	22
Rugby, Tenn	20	Oct.	13	April	26	Sept.	18	May	15
Springdale, Tenn	18	Oct.	15	April	24	Sept.	20	May	21
Waynesville, N. C	20	Oct.	11	April	25	Sept.	23	May	15

Frost Data.

ANDERSONVILLE, ANDERSON COUNTY, TENN.
Elevation 1,167 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1891...	....	Oct. 16	....	....	....
1892...	April 17	Oct. 29	195	....	....
1893...	....	....	....	....	....
1894...	April 3	Oct. 16	196	....	....
1895.	April 15	Oct. 1	169	....	....
1896...	....	Oct. 19	....	....	....
1897...	April 10	Nov. 5	209	April 10	Oct. 30
1898...	April 7	Oct. 15	191	April 8	Oct. 15
1899...	April 17	Oct. 1	167	April 10	Oct. 1
1900...	April 7	Nov. 8	215	April 7	Nov. 8
1901..	April 22	Nov. 5	197	April 22	Oct. 5
1902...	April 10	Oct. 28	202	April 10	Oct. 15
1903...	April 24	Oct. 22	181	April 25	Oct. 22
1904...	April 23	Oct. 23	183	April 23	Oct. 23
1905...	April 17	Oct. 12	178	....	....
1906...	April 22	Oct. 11	172	April 22	....

Station closed in 1907. No information as to exact location. Country is rolling.

BENTON, POLK COUNTY, TENN.
Elevation 880 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1896...	....	Oct. 19	....	....	Oct. 19
1897...	April 18	Oct. 30	195	April 18	Oct. 30
1898...	April 8	Oct. 15	190	April 8	Oct. 15
1899...	April 9	Sept. 30	174	April 9	Sept. 30
1900...	April 14	Nov. 9	209	April 14	Nov. 9
1901...	April 4	Oct. 15	194	April 4	Oct. 15
1902...	April 9	Oct. 15	189	April 9	Oct. 15
1903...	April 24	Oct. 10	169	April 24	Oct. 10
1904...	....	Oct. 23	....	....	Oct. 17
1905...	April 18	Oct. 22	187	April 18	Oct. 22
1906...	May 10	Oct. 11	154	May 10	Oct. 10
1907...	April 20	Oct. 13	176	April 20	Oct. 13
1908...	May 1	Oct. 30	182	May 1	Oct. 30
1909...	April 11	Oct. 13	185	May 2	Oct. 13
1910...	Mar. 16	Oct. 28	226	April 24	Oct. 28
1911..	April 2	Nov. 3	215	April 2	Nov. 3
1912...	April 9	Oct. 24	198	April 9	Oct. 24
1913...	Mar. 29	Oct. 21	206	Mar. 29	Oct. 21

BRISTOL, SULLIVAN COUNTY, TENN.
Elevation 1,676 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1894..	April 13	Oct. 14	184	April 13	Oct. 14
1895...	May 14	Sept. 30	139	May 14	Sept. 30
1896...	April 7	Oct. 18	194	April 7	Oct. 19
1897...	April 17	Oct. 30	196	April 17	Nov. 3
1898...	April 28	Oct. 19	174	April 28	Oct. 19
1899...	April 11	Sept. 30	172	April 11	Sept. 30
1900...	April 14	Nov. 5	205	April 14	Nov. 6
1901...	April 23	Oct. 14	174	April 23	Oct. 14
1902...	April 12	Oct. 14	185	April 12	Oct. 14
1903...	April 24	Oct. 19	178	April 24	Oct. 19
1904...	April 21	Oct. 23	185	April 21	Oct. 23
1905...	April 19	Oct. 13	177	April 19	Oct. 13
1906...	May 10	Oct. 11	154	May 10	Oct. 11
1907...	April 21	Oct. 15	177	April 21	Oct. 15
1908...	April 4	Oct. 31	210	April 4	Oct. 31
1909...	April 9	....	....	April 9	....

CHATTANOOGA, HAMILTON COUNTY, TENN.
Elevation of thermometer 762 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1879..	April 6	Oct. 26	203	April 5	Nov. 4
1880...	April 9	Nov. 7	212	Feb. 20	Nov. 7
1881...	April 5	Nov. 16	225	April 2	Nov. 20
1882...	Feb. 25	Nov. 28	275	Feb. 25	Nov. 14
1883...	Mar. 24	Nov. 2	223	Mar. 24	Nov. 3
1884...	April 9	Oct. 24	198	Mar. 10	Nov. 7
1885...	Mar. 24	Oct. 22	212	Mar. 24	Nov. 3
1886...	April 8	Oct. 30	205	April 6	Nov. 7
1887...	Mar. 30	Oct. 13	197	Mar. 30	Oct. 31
1888...	Mar. 23	Sept. 30	191	Mar. 23	Nov. 27
1889...	Mar. 29	Oct. 8	193	Mar. 11	Nov. 28
1890...	Mar. 24	Oct. 28	218	Mar. 17	Nov. 1
1891...	May 7	Oct. 16	162	April 6	Nov. 17
1892...	April 12	Oct. 26	197	Mar. 20	Oct. 28
1893...	April 24	Oct. 17	176	Mar. 19	Oct. 31
1894...	Mar. 31	Oct. 15	198	Mar. 30	Nov. 7
1895...	May 14	Oct. 1	139	Mar. 18	Nov. 3
1896...	Mar. 21	Oct. 19	212	Mar. 24	Nov. 8
1897...	Mar. 28	Nov. 17	234	Mar. 28	Nov. 24
1898...	April 6	Oct. 27	204	April 6	Oct. 28
1899...	Mar. 29	Nov. 4	220	Mar. 29	Nov. 5
1900...	Mar. 22	Nov. 9	232	April 1	Nov. 8
1901..	Mar. 22	Nov. 6	229	Mar. 22	Nov. 6
1902...	Mar. 19	Nov. 27	253	Mar. 19	Nov. 27
1903...	April 24	Oct. 28	187	Mar. 2	Oct. 28
1904...	Mar. 28	Nov. 15	232	April 4	Nov. 15
1905...	April 17	Nov. 12	209	Feb. 20	Nov. 23
1906...	Mar. 21	Oct. 11	204	Mar. 21	Oct. 11
1907...	April 15	Nov. 13	212	April 15	Nov. 13
1908...	Feb. 28	Nov. 6	251	Mar. 21	Nov. 6
1909...	Mar. 15	Oct. 25	224	Mar. 26	Nov. 18
1910..	Mar. 16	Oct. 30	228	April 25	Oct. 29
1911...	Mar. 16	Nov. 13	242	Mar. 31	Nov. 3
1912...	Mar. 10	Nov. 3	238	Mar. 10	Nov. 3
1913...	Mar. 28	Oct. 21	207	Mar. 28	Oct. 21

Station in a valley, extending from north to south and about 4 miles wide. Surface of valley is very irregular, consisting of many small projections and depressions. On the east is Missionary Ridge, 1,100 ft. high, Lookout Mountain to the SW. is 2,200 ft. high, and Cameron Hill to the NW. is 1,000 ft. high. Tennessee River is on the N. and on the W., between Cameron Hill and Lookout Mountain.

DECATUR, MEIGS COUNTY, TENN.
Elevation 850 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1896...	Mar. 21	Oct. 19	212	April 5	Oct. 19
1897...	Mar. 29	Oct. 30	215	April 18	Oct. 30
1898...	April 8	Oct. 28	203	April 8	Oct. 15
1899...	April 10	Nov. 4	208	April 10	Nov. 4
1900...	April 14	Nov. 9	209	April 14	Nov. 9
1901...	April 4	Oct. 15	194	April 4	Oct. 15
1902...	April 9	Oct. 29	203	April 9	Oct. 29
1903...	April 24	Oct. 25	184	April 24	Oct. 19
1904...	April 21	Oct. 21	183	April 21	Oct. 21
1905...	April 17	Oct. 12	178	April 18	Oct. 12
1906...	May 10	Oct. 11	154	May 10	Oct. 10
1907...	April 15	Oct. 14	182	April 24	Oct. 13
1908...	May 1	Oct. 26	178	May 1	Fct. 26
1909...	May 2	Oct. 13	164	May 2	Oct. 13
1910...	April 24	Oct. 29	188	April 28	Oct. 23
1911...	April 2	Oct. 23	204	April 2	Oct. 23
1912...	Mar. 26	Oct. 24	212	April 9	Oct. 24
1913...	April 6	Oct. 21	198	April 6	Oct. 21

Station on limestone ridge in center of valley of average width of 1 mile. Ridge to east 150 feet higher than station, but ground between station and ridge 50 feet lower than station. Ridges to west of valley broken and about 100 feet higher than station. Slopes on NW. side of all hills and ridges abrupt and steep. Slopes on SE. side gradual.

ELIZABETHTON, CARTER COUNTY, TENN.
Elevation 1,575 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1895...	May 15	Sept. 30	158	May 15	Oct. 1
1896...	April 9	Oct. 19	193	April 9	Oct. 19
1897...	April 18	Oct. 30	195	April 18	Nov. 11
1898..	April 8	Oct. 15	190	April 28	Oct. 15
1899...	April 17	Sept. 30	166	April 17	Sept. 30
1900...	May 4	Nov 6	186	May 4	Nov. 6
1901...	April 23	Oct. 5	165	April 23	Oct. 5
1902...	April 9	Oct. 15	189	April 9	Nov. 23
1903...	April 24	Oct. 25	184	April 24	Oct. 25
1904...	April 21	Oct. 24	186	April 21	Oct. 24
1905. .	April 18	Oct. 13	178	April 18	Oct. 13
1906...	May 10	Oct. 11	154	May 10	Oct. 11
1907...	April 16	Oct. 15	182	April 16	Oct. 15
1908...	April 4	Oct. 31	210	April 4	Oct. 31
1909...	May 2	Oct. 25	174	May 2	Oct. 24

Station closed.

GREENEVILLE, GREENE COUNTY, TENN.
Elevation 1,581 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1891...	....	Oct. 21	....	....	Oct. 23
1892...	April 16	Oct. 28	195	April 16	Oct. 28
1893...	....	....	....	....	....
1894...	April 14	Oct. 14	183	April 13	Oct. 14
1895...	May 15	Sept. 30	138	May 15	Sept. 30
1896...	April 7	Oct. 19	195	April 7	Oct. 19
1897...	Mar. 29	Oct. 30	215	April 18	Oct. 30
1898...	April 8	Oct. 24	199	April 8	Oct. 15
1899...	April 17	Sept. 30	166	April 17	Sept. 30
1900...	April 13	Nov. 5	206	April 13	Nov. 6
1901...	Ayril 24	Oct. 15	174	April 24	Oct. 15
1902...	April 5	Oct. 15	193	April 9	Oct. 15
1903...	April 24	Oct. 25	184	April 24	Oct. 19
1904...	April 21	Oct. 23	185	April 21	Oct. 23
1905...	April 18	Oct. 22	187	April 19	Oct. 13
1906...	April 24	Oct. 11	170	May 10	Oct. 11

Station closed.

HARRIMAN, ROANE COUNTY, TENN.
Elevation 841 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1895...	April 15	Oct. 21	189	April 15	Oct. 21
1896...	Apail 4	Oct. 19	198	April 4	Oct. 19
1897. .	April 11	Nov. 12	215	April 11	Nov. 4
1898...	April 8	Oct. 27	202	April 8	Oct. 27
1899...	May 10	Nov. 4	178	May 10	Nov. 4
1900...	April 14	Nov 9	209	April 14	Nov. 9
1901...	April 20	Oct. 15	178	April 20	Oct. 15
1902...	April 8	Nov. 28	234	April 8	Oct. 15
1903...	April 24	Oct. 25	184	April 24	Oct. 19
1904...	April 21	Oct. 23	185	April 21	Oct. 23
1905. .	April 18	Oct. 23	188	April 18	Oct. 23
1906...	April 3	Oct. 11	191	April 3	Oct. 11
1907...	April 20	Oct. 13	176	April 20	Oct. 13
1908...	May 1	Oct. 30	182	May 1	Oct. 30
1909...	May 2	Oct. 13	164	May 2	Oct. 13
1910...	April 24	Oct. 29	188	April 26	Oct. 29
1911...	April 2	Oct. 23	204	April 2	Oct. 23

Station closed.

JONESBORO, WASHINGTON COUNTY, TENN.
Elevation 1,740 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1896...	April 4	Oct. 19	198	April 4	....
1897...	April 18	Nov. 13	209	....	Nov. 13
1898...	April 6	Oct. 15	192	....	....
1899...	April 17	Sept. 30	166	....	....
1900...	May 4	Nov. 5	185	May 4	....
1901. .	April 16	Nov. 5	203	April 21	....
1902...	April 12	Oct. 29	200	....	....
1903...	April 24	Oct. 19	178	April 24	Oct. 19
1904...	April 21	Oct. 23	185	April 21	Oct. 21
1905...	....	Oct. 13	....	....	Oct. 13
1906...	May 10	Oct. 11	154	May 10	Oct. 10
1907...	April 14	Oct. 14	183	April 14	Oct. 13
1908. .	April 4	Oct. 2	181	April 4	Oct. 2
1909...	May 2	....	....	May 2	....
1910...	April 22	....	....	May 15	....
1911...	April 23	....	....	April 23	....

Station closed.

KNOXVILLE. KNOX CO., TENN.—Elevation of thermometer 1,028 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1871...	Mar. 5	Nov. 12	252	Mar. 5	Nov. 16
1872...	April 2	Oct. 15	196	April 2	Oct. 15
1873...	Mar. 28	Oct. 29	215	Mar. 28	Oct. 28
1874...	Mar. 25	Oct. 13	202	Mar. 25	Oct. 13
1875...	April 19	Oct. 17	181	April 19	Oct. 17
1876...	April 19	Oct. 16	180	April 19	Oct. 16
1877...	Mar. 29	Nov. 4	220	Mar. 29	Nov. 4
1878...	Mar. 26	Oct. 20	208	Mar. 26	Oct. 20
1879...	April 6	Oct. 26	203	April 6	Oct. 26
1880...	April 14	Oct. 18	187	April 12	Oct. 24
1881...	April 5	Nov. 16	225	April 5	Nov. 16
1882...	Mar. 25	Nov. 14	234	Mar. 24	Nov. 14
1883...	Mar. 24	Nov. 2	223	Mar. 24	Nov. 2
1884...	April 11	Oct. 24	196	April 11	Oct. 24
1885...	April 14	Oct. 22	191	April 14	Oct. 22
1886. .	April 8	Oct. 31	206	April 8	Oct. 31
1887...	April 6	Oct. 13	190	April 6	Oct. 22
1888...	Mar. 23	Nov. 12	234	Mar. 23	Nov. 12
1889...	April 6	Oct. 8	185	April 6	Oct. 8
1890...	Mar. 17	Oct. 28	225	Mar. 17	Oct. 28
1891...	April 6	Oct. 16	193	April 6	Oct. 23
1892...	April 10	Oct. 28	201	April 10	Oct. 28
1893...	April 24	Oct. 29	188	Mar. 20	Oct. 30
1894...	Mar. 31	Oct. 15	198	Mar. 31	Nov. 7
1895...	April 4	Oct. 1	180	April 4	Oct. 30
1896...	Mar. 24	Oct. 19	209	Mar. 24	Nov. 9
1897...	April 11	Nav. 12	215	Mar. 28	Nov. 12
1898...	April 7	Oct. 27	203	April 8	Oct. 27
1899. .	April 2	Nov. 5	217	April 10	Nov. 5
1900...	April 1	Nov. 9	222	April 1	Nov. 8
1901...	Mar. 22	Nov. 5	228	April 20	Nov. 5
1902...	April 8	Nov. 28	234	April 8	Oct. 29
1903...	April 5	Nov. 25	234	April 5	Oct. 25
1904...	April 23	Oct. 24	186	April 21	Oct. 24
1905...	April 17	Oct. 22	188	April 17	Nov. 2
1906...	Mar. 21	Oct. 11	204	Mar. 21	Oct. 28
1907...	April 15	Oct. 29	197	April 15	Oct. 29
1908...	April 4	Nov. 5	215	April 4	Nov. 5
1909...	Mar. 18	Oct. 13	209	Mar. 18	Oct. 25
1910...	Mar. 16	Oct. 29	227	Mar. 16	Oct. 29
1911...	Mar. 31	Nov. 3	217	April 2	Nov. 2
1912...	Mar. 26	Nov. 3	222	Mar. 26	Nov. 2
1913...	Mar. 28	Oct. 21	207	Mar. 28	Oct. 21

The country is considerably broken in this vicinity by ridges 200 to 300 feet high lying in a northeast-southwest direction. The Weather Bureau office has always been located on the top of one of the lower of these ridges with an elevation of about 1,000 feet above sea-level and about 200 feet above the river.

MARYVILLE, BLOUNT CO., TENN.—Elevation 1,050 ft.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1898...	April 8	Oct. 15	190	April 8	Oct. 24
1899...	April 10	Nov. 4	208	....	Nov. 4
1900...	April 13	Nov. 9	210	April 13	Nov. 8
1901...	April 20	Oct. 15	178	April 20	Nov. 5
1902...	April 8	Oct. 29	204	April 8	Oct. 15
1903...	April 24	Oct. 24	183	April 24	Oct. 21
1904...	April 21	Oct. 23	185	April 21	Oct. 23
1905...	April 17	Oct. 22	188	April 17	Oct. 22
1906...	April 24	Oct. 11	170	April 24	Oct. 11
1907...	April 15	Oct. 13	181	April 15	Oct. 13
1908...	April 4	Nov. 5	215	April 4	Nov. 5
1909..	April 11	Oct. 13	185	April 11	Oct. 13
1910...	April 24	Oct. 29	188	April 26	Oct. 28
1911...	April 2	Nov. 3	215	April 2	Nov. 3
1912...	....	Nov. 2	....	....	Nov. 2

Station closed. Station in rolling country, about 1½ miles southwest from Maryville: on the dividing ridge between two forks of Pistol Creek, which are small streams, the nearest one about ½ mile southeast. Land mostly cultivated around station.

MOUNTAIN CITY,* JOHNSON COUNTY, TENN.

Elevation 2,486 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1897...	....	Oct. 4	....	....	....
1898...	April 28	Oct. 16	171	April 28	Oct. 16
1899...	April 17	Oct. 1	167	April 17	Sept. 22
1900...	April 15	Nov. 5	204	April 15	Nov. 5
1901...	April 24	Oct. 4	163	April 24	Oct. 4
1902...	April 19	Oct. 15	179	April 19	Oct. 15
1903...	April 24	Oct. 19	178	April 24	Oct. 13
1904...	April 21	Oct. 15	177	May 16	Oct. 15
1905...	April 19	Oct. 13	177	April 19	Oct. 13
1906...	May 8	Oct. 11	156	May 11	Oct. 11
1907...	April 21	Oct. 15	177	May 22	Sept. 26
1908...	April 13	Sept. 30	170	April 13	Sept. 30
1909...	May 12	Sept. 27	138	May 12	Sept. 27
1910...	May 15	Oct. 23	161	May 15	Oct. 23
1911...	May 7	Oct. 24	170	May 7	Oct. 24
1912...	April 25	Oct. 2	160	April 25	Oct. 2
1913...	May 12	Oct. 14	155	May 12	Sept. 23

* Silver Lake from 1897 to 1907, inclusive. Station is on a "bench," near a creek 20 ft. wide. Creek valley runs north-south. A bluff about 50 ft. high near by, on the east.

NEWPORT, COCKE COUNTY, TENN.

Elevation 1,280 feet.

1891...	....	Oct. 23	....	....	....
1892...	April 16	Oct. 28	195	April 16	Oct. 28
1893...	....	....	....	....	....
1894...	April 13	Oct. 15	185	April 13	....
1895...	April 15	Oct. 1	169	April 15	Oct. 1
1896...	April 4	Oct. 19	198	April 4	Oct. 19
1897...	April 18	Nov. 4	200	April 18	Nov. 4
1898...	April 8	Oct. 28	203	April 8	Oct. 19
1899...	April 17	....	....	April 17	....
1900...	April 6	Nov. 8	216	April 6	Nov. 8
1901...	April 21	Nov. 6	199	April 21	Nov. 6
1902...	April 8	Nov. 29	235	April 8	Nov. 29
1903...	April 5	Oct. 25	203	April 5	Oct. 25
1904...	April 21	Oct. 24	186	April 21	Oct. 24
1905...	April 18	Oct. 22	187	April 18	Oct. 22
1906...	April 24	Oct. 11	170	April 24	Oct. 11
1907...	April 18	Oct. 13	178	April 18	Oct. 13
1908...	April 4	Nov. 1	211	April 4	Nov. 1
1909...	April 11	Oct. 12	184	April 11	Oct. 12
1910...	Mar. 16	Oct. 30	228	Mar. 16	Oct. 29
1911...	April 2	Nov. 3	215	April 2	Nov. 3
1912...	April 8	Oct. 25	200	April 8	Oct. 25
1913...	Mar. 29	....	....	....	....

Station is near top of a hill which slopes in all directions, and the hill is in a river valley. Station 400 ft. from river, which is 300 ft. wide. Many hills and ridges in the valley and mountains 2 to 5 miles distant.

ROGERSVILLE, HAWKINS COUNTY, TENN.

Elevation 1,150 feet.

1891...	....	Oct. 16	....	....	....
1892..	....	Oct. 28	....	....	....
1893...	....	....	....	....	....
1894...	April 13	Oct. 14	184	....	....
1895...	April 15	Sept. 30	168	....	....
1896...	April 7	Oct. 15	191	April 4	Oct. 19
1897...	April 18	Oct. 30	195	April 18	Nov. 12
1898...	April 12	Oct. 15	186	April 8	Oct. 15
1899...	April 11	Sept. 30	172	April 11	Oct. 1
1900...	April 14	Nov. 8	208	April 14	Nov. 8
1901...	April 22	Oct. 18	189	April 22	Oct. 18
1902...	April 3	Oct. 15	195	April 9	Oct. 15
1903...	April 24	Oct. 25	184	April 24	Oct. 25
1904...	April 22	Oct. 23	184	April 22	Oct. 23
1905...	April 19	Oct. 12	176	April 19	Oct. 12
1906...	May 10	Oct. 11	154	May 10	Oct. 11
1907...	April 20	Oct. 13	176	April 20	Oct. 13
1908...	April 4	Oct. 4	183	April 4	Oct. 4
1909...	May 2	Oct. 13	164	May 2	Oct. 13
1910...	April 28	Oct. 30	185	April 28	Oct. 23
1911...	May 3	Nov. 3	184	May 3	Nov. 3
1912...	April 9	Oct. 25	199	April 9	Oct. 25
1913...	Mar. 29	Nov, 1	216	Mar. 29	Oct. ·22

Station is on a hill, and no other hills near that are much higher. Holston River, 400 ft. wide, is within 500 ft. of station.

RUGBY, MORGAN COUNTY, TENN.

Elevation 1,410 feet.

1892...	April 12	Oct. 6	177	....	....
1893...	....	....	....	....	....
1894...	April 7	Oct. 6	182	....	....
1895...	May 14	Sept. 29	138	....	....
1896...	April 7	Oct. 15	191	....	....
1897...	April 20	Oct. 30	193	April 20	Oct. 30
1898...	April 28	Oct. 15	170	April 28	Oct. 15
1899...	April 17	Sept. 27	163	April 17	Sept. 27
1900...	May 4	Nov. 4	184	May 4	Nov. 4

RUGBY—Continued.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1901...	April 22	Oct. 15	176	April 22	Oct. 4
1902..	April 8	Oct. 15	190	May 28	Sept. 14
1903...	April 24	Sept. 18	147	June 13	Sept. 18
1904...	April 21	Oct. 21	183	May 15	Oct. 15
1905...	April 19	Oct. 12	176	April 19	Oct. 12
1906...	May 8	Oct. 10	155	May 10	Oct. 10
1907...	April 24	Oct. 12	171	May 5	Oct. 12
1908...	May 1	Sept. 29	151	May 1	Sept. 29
1909...	May 2	Sept. 28	149	May 2	Sept. 28
1910...	May 15	Oct. 28	166	May 15	Oct. 23
1911...	April 2	Oct. 23	204	May 4	Oct. 23
1912...	April 19	Oct. 1	165	April 19	Oct. 1
1913..	April 6	Oct. 22	199	April 27	Oct. 12

Station is near the bottom of a hill, on the south side. Hill is steep, and its top is 100 ft. higher than station.

SEVIERVILLE, SEVIER COUNTY, TENN.

Elevation 900 feet.

1906...	April 2	Oct. 11	192	May 10	Oct. 11
1907...	April 15	Oct. 13	181	April 21	Oct. 13
1908...	April 4	Nov. 1	211	May 1	Oct. 2
1909...	Mar. 31	Oct. 25	208	May 2	Oct. 16
1910...	Mar. 16	Oct. 29	227	April 24	Oct. 28
1911...	April 2	Nov. 3	215	April 23	Nov. 3
1912...	April 9	Nov. 3	208	April 9	Oct. 25
1913...	Mar. 28	Oct. 22	208	Mar. 28	Oct. 21

Station is in a river bottom, about 60 ft. from the river bank. A range of hills on the south. Valley runs east and west. Open on the north.

SPRINGDALE, CLAIBORNE COUNTY, TENN.

Elevation 1,058 feet.

1891...	....	Oct. 15	....	....	....
1892...	April 16	Oct. 28	195	....	....
1893...	....	....	....	....	....
1894...	April 13	Oct. 11	181	....	....
1895...	April 4	Sept. 30	179	....	....
1896...	....	Oct. 20	....	....	....
1897...	April 18	Oct. 30	195	....	Oct. 30
1898...	April 8	Oct. 27	202	April 28	Oct. 16
1899...	April 17	Sept. 30	166	April 17	Sept. 30
1900...	May 3	Nov. 6	187	May 3	Nov. 6
1901...	April 22	Oct. 5	166	April 22	Oct. 5
1902...	April 18	....	....	April 18	....
1903...	April 24	Oct. 24	183	April 24	Sept. 19
1904...	April 21	Oct. 24	186	April 22	Oct. 16
1905...	April 19	Oct. 22	186	April 19	Oct. 12
1906..	May 10	Oct. 11	154	May 10	Oct. 10
1907...	April 21	Oct. 13	175	April 21	Oct. 12
1908...	April 12	Oct. 2	173	April 12	Oct. 2
1909...	May 2	Oct. 13	164	May 3	Oct. 13
1910...	April 22	....	....	May 15	....
1911...	Mar. 31	....	....	May 4	....

Station closed. "The station is located near the bottom of a valley on the south side of the hill. The distance from hill to hill is about ¼ mile. of level bottom land. The slopes are gradual till they widen to about one mile from top to top. The trend of valley is east-west. Hills rise to about 400 or 500 ft. above station." A creek runs within 500 ft. of the station.

TELLICO PLAINS, MONROE COUNTY, TENN.

Elevation 900 feet.

1896...	....	Oct. 19	....	....	Oct. 15
1897...	April 18	Nov. 4	200	April 18	Nov. 4
1898...	April 8	Oct. 15	190	April 8	Oct. 15
1899..	April 17	Oct. 1	167	April 17	Sept. 30
1900...	April 14	Nov. 9	209	April 14	Nov. 9
1901...	April 20	Nov. 5	199	April 20	Oct. 15
1902...	April 9	Oct. 29	203	April 9	Oct. 29
1903...	April 24	Oct. 25	184	April 24	Oct. 19
1904...	April 17	Oct. 23	189	April 17	Oct. 23
1905...	April 18	Oct. 23	188	April 18	Oct. 22
1906...	April 2	Oct. 10	191	May 10	Oct. 10
1907...	April 15	Oct. 13	181	April 15	Oct. 13
1908..	April 4	Oct. 30	209	May 1	Oct. 30

Station closed. Located on a little hill near the Tellico plain; 3 miles from foot hills of mountains across the plain, and about 2 miles from Tellico River. Open except a little piece of forest on north side

ASHEVILLE, BUNCOMBE COUNTY, N.C.

Elevation 2,270 feet.

1903...	April 24	Oct. 19	178	April 24	Oct. 19
1904...	April 17	Oct. 16	182	April 21	Oct. 16
1905...	April 18	Oct. 13	178	April 18	Oct. 13
1906...	May 10	Oct. 11	154	May 10	Oct. 10
1907...	April 20	Oct. 13	176	April 20	Oct. 13
1908...	April 4	Oct. 3	182	April 4	Oct. 4
1909...	May 3	Oct. 13	163	May 3	Oct. 25

ASHEVILLE—Continued.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1910...	April 22	Oct. 24	185	April 26	Oct. 28
1911...	April 2	Nov. 3	215	April 2	Nov. 2
1912...	April 9	Oct. 27	201	April 9	Nov. 2
1913...	Mar. 29	Oct. 22	207	Mar. 29	Oct. 21

Station in city of Asheville, one mile from French Broad River; rolling, with mountains in all directions.

BREVARD, TRANSYLVANIA COUNTY, N.C.

Elevation 2,230 feet.

1884...	April 11	....	....	April 11	....
1902...	May 27	Oct. 13	138	May 27	Oct. 13
1903...	....	Oct. 11	....	....	Oct. 11
1904...	April 22	Oct. 15	175	May 12	Oct. 15
1905...	April 19	Oct. 12	175	April 19	Oct. 12
1906...	May 10	Oct. 10	152	May 10	Oct. 10
1907...	April 15	Oct. 13	180	April 20	Oct. 13
1908..	May 1	Sept. 29	150	May 1	Sept. 29
1909...	May 3	Sept. 27	146	May 3	Sept. 27
1910...	May 15	Oct. 23	160	May 15	Oct. 23
1911...	May 7	Oct. 24	169	May 7	Oct. 24
1912...	April 10	Oct. 24	196	April 10	Oct. 24

The station is located in the outskirts of the town, in the upper part of the French Broad Valley; comparatively level in immediate section, with mountains 1 to 3 miles away.

HENDERSONVILLE, HENDERSON COUNTY, N.C.

Elevation 2.167 feet.

1898...	....	Oct. 16	....	....	Oct. 16
1899...	April 17	Oct. 1	166	April 17	Oct. 1
1900...	May 11	Nov. 7	179	April 15	Nov. 7
1901...	April 29	Oct. 19	172	April 22	Oct. 19
1902...	April 14	Oct. 15	183	April 14	Oct. 23
1903...	April 24	Oct. 19	177	April 24	Oct. 19
1904...	April 22	Oct. 15	175	April 22	Oct. 15
1905...	April 19	Oct. 13	176	April 19	Oct. 13
1906...	May 10	Oct. 11	153	May 10	Oct. 11
1907...	April 15	Oct. 15	182	April 20	Oct. 15
1908...	April 13	Oct. 3	172	April 13	Oct. 3
1909...	May 3	Oct. 13	162	May 3	Oct. 13
1910...	May 15	Oct. 28	165	May 15	Oct. 28
1911...	April 25	Oct. 25	182	April 25	Oct. 25
1912...	April 9	Oct. 27	200	April 9	Oct. 27
1913...	April 21	....	....	April 21	....

The station is located in the town of Hendersonville, on a rolling plateau, mountains within a few miles.

HOT SPRINGS, MADISON COUNTY, N.C,

Elevation 1.326 feet.

1887...	....	Oct. 22	....	....	Oct. 22
1888...	April 21	Oct. 21	183	Mar. 6	Oct. 21
1889..	May 4	Oct. 8	156	April 8	Oct. 8
1890...	April 11	....	....	Mar. 17	....
....	....	....	....	....	....
1902...	April 9	Oct. 15	188	April 9	Nov. 28
1903...	April 5	Oct. 25	202	April 5	Oct. 25
1904...	April 21	Oct. 24	185	April 21	Oct. 24
1905...	April 18	Oct. 23	187	April 18	Oct. 23
1906...	May 10	Oct. 11	153	April 24	Oct. 11
1907...	April 15	Oct. 29	196	April 21	Oct. 15
1908...	April 4	Oct. 31	209	April 4	Oct. 31
1909...	May 2	Oct. 13	163	May 2	Oct. 13
1910...	April 24	Oct. 29	187	April 24	Oct. 29
1911...	April 22	Nov. 3	194	April 22	Nov. 3
1912...	April 4	Oct. 25	203	April 4	Oct. 25
1913...	Mar. 28	Nov. 1	217	Mar. 28	Oct. 22

The station is located in the French Broad Valley, one-fourth of a mile from the river.

LINVILLE, MITCHELL COUNTY, N.C.

Elevation 3,800 feet.

1891...	....	Oct. 9	....	....	Oct. 9
1892...	April 7	....	....	April 7	....
....	....	....	....	....	....
1895...	May 23	Sept. 30	129	May 23	Oct. 1
1896...	April 14	Sept. 24	162	April 14	Sept. 24
1897...	May 27	Sept. 21	116	May 27	Sept. 21
1898...	May 10	Oct. 16	158	May 10	Oct. 16
1899...	April 17	Sept. 22	158	April 17	Sept. 22
1900...	May 11	Oct. 11	152	May 11	Oct. 11
1901...	May 4	Sept. 20	138	May 4	Sept. 20
1902...	April 28	Sept. 14	138	May 30	Sept. 14
1903...	May 5	Sept. 19	136	May 8	Sept. 19
1904...	May 16	Oct. 15	151	May 16	Sept. 16
1905...	May 2	Oct. 8	158	May 2	Oct. 8
1906..	May 11	Oct. 9	150	May 11	Oct. 9

Location in valley of Linville River with Grandfather and other rugged mountains close at hand. This is the coldest location of record in the State.

MARSHALL, MADISON COUNTY, N. C.

Elevation 1,646 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1899...	April 17	Sept. 28	163	April 17	Sept. 28
1900.	April 13	Nov. 8	208	May 11	Nov. 8
1901...	Mar. 29	....	....	April 22	....
1902...	....	Oct. 15	....	....	Oct. 15
1903...	April 21	... .	....	April 24	....
1904...	April 22	....	....	April 22	....
1905...	April 20	Oct. 12	174	April 20	Oct. 12
1906...	April 24	Oct. 11	169	April 24	Oct. 11
1907...	....	Oct. 15	....	....	Oct. 13
....	....	....	....	....	....
1909...	May 3	Oct. 13	162	May 3	Oct. 13
1910...	May 15	Oct. 30	167	May 15	Oct. 29
1911...	April 23	Nov. 3	193	April 23	Nov. 3
1912...	April 9	Oct. 27	200	April 9	Oct. 25
1913...	Mar. 29	Nov. 1	216	April 21	Oct. 22

Station in narrow valley near French Broad River; mountainous section.

ROCK HOUSE, MACON COUNTY, N. C.

Elevation 3,100 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1892...	April 12	Oct. 26	196	April 16	Oct. 26
1893...	April 24	Oct. 16	174	April 24	Oct. 30
1894...	April 12	Oct. 14	184	May 20	Obt. 14
1895...	M y 15	Oct. 1	138	April 4	Oct. 1
1896...	April 9	Oct. 19	192	April 4	Oct. 19
1907...	April 20	Nov. 12	205	April 11	Nov. 12
1898...	April 28	Oct. 15	169	May 7	Oct. 23
1899...	April 11	Sept. 30	171	April 10	Nov. 3
1900...	April 14	Nov. 8	207	April 14	Nov. 8
1901. .	April 24	Nov. 15	204	April 23	Nov. 13
1902...	April 9	Oct. 28	201	April 9	Oct. 29
1903...	April 24	Oct. 25	183	April 24	Oct. 24
1904...	April 20	Oct. 23	185	April 17	Oct. 23
1905...	April 18	Oct. 21	185	April 18	Oct. 21
1906...	May 10	Oct. 10	152	May 10	Oct. 10
1907...	April 20	Oct. 14	176	April 15	Oct. 14
1908...	April 4	Nov. 5	214	May 1	Nov. 5
1909..	May 2	Oct. 13	163	May 2	Oct. 13
1910...	Apr l 26	Oct. 28	184	April 26	Oct. 28
1911..	April 24	Nov. 3	192	April 24	Nov. 3
1912...	April 8	Oct. 24	198	April 8	Oct. 24
1913...	Mar. 29	Oct. 20	204	April 28	Oct. 20

Station on open upland, southeast slope of Blue Ridge, very rough and mountainous; cliff with drop of 600 ft. one-half mile south and southwest; extensive forests within one-fourth of a mile in all directions. Average annual precipitation 82 inches; heaviest in eastern portion of United States.

WAYNESVILLE, HAYWOOD COUNTY, N. C.

Elevation 2,792 feet.

Year.	Date of last killing frost in spring.	Date of first killing frost in autumn.	Length of growing season—last killing frost to first killing frost.	Latest date with temperature 32° or lower in spring.	Earliest date with temperature 32° or lower in autumn.
1894...	....	Oct. 6	....	....	Oct. 12
1895...	May 14	Oct. 1	139	May 15	Oct. 1
1896...	April 10	Oct. 19	191	April 10	Oct. 8
1897...	April 21	Sept. 30	161	April 21	Sept. 30
1898...	April 28	Oct. 14	168	April 28	Oct. 14
1899...	April 17	Sept. 30	165	April 17	Sept. 28
1900...	May 11	Nov. 5	177	May 11	Nov. 5
1901...	April 22	Oct. 4	164	April 23	Oct. 4
1902...	April 14	Oct. 15	183	April 18	Oct. 15
1903...	April 24	Oct. 11	169	April 24	Oct. 11
1904...	April 29	O t. 14	167	April 29	Oct. 14
1905...	April 19	Oct. 13	176	April 19	Oct. 12
1906...	May 10	Oct. 7	149	May 10	Oct. 10
1907...	April 20	Oct. 12	174	April 21	Oct. 12
1908...	April 12	Sept. 29	169	May 1	Sept. 29
1909...	May 3	Sept. 28	147	May 3	Sept. 28
1910...	May 14	Oct. 23	161	May 15	Oct. 23
1911...	April 25	Oct. 24	181	April 25	Oct. 24
1912..	April 19	Oct. 30	193	April 19	Oct. 30
1913...	April 7	Sept. 23	168	May 12	Sept. 23

Station is in the town of Waynesville; on a hill surrounded by mountains, 4,000 to 6,000 ft. high, a few miles distant.

Hydrographic Data for Section 78, Summary of Climatological Data for the United States.

Compiled from the Records of the United States Geological Survey, by R. H. Bolster, Assistant Engineer.

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director United States Geological Survey, Washington, D. C.

This section lies almost wholly in the Tennessee River drainage basin, and comprises the eastern part of the State of Tennessee and the extreme western part of North Carolina.

Tennessee River is formed by the junction of the French Broad and Holston rivers about 4 miles above Knoxville, Tenn. It flows southwestward, crossing into Alabama about 40 miles below Chattanooga, Tenn.; thence it flows westerly through Alabama and northerly through Tennessee and Kentucky to its mouth at Paducah, Ky., about 40 miles above Cairo, Ill. Its principal tributary on the north is Clinch River, which enters it near Kingston, Roane County, Tenn. The principal tributaries on the south are the Hiwassee and Little Tennessee rivers.

The Hiwassee rises in the northern part of Georgia and flows into the Tennessee about 30 miles above Chattanooga. Its principal tributaries are Ocoee and Nottely.

Little Tennessee River rises in the northeastern corner of Georgia, flows across the southwestern part of North Carolina and enters the Tennessee near Loudon, Tenn. Its principal tributary is the Tuckaseegee.

French Broad River rises in the western part of North Carolina. Its principal tributaries are the Pigeon and Nolichucky.

Holston River rises in the western part of Virginia. Its principal tributary is the Watauga River.

This section lies almost wholly in the proposed Appalachian Mountain Park Reserve. This region is one of the chief watersheds of the United States with a high rate of run-off and heavy precipitation. All the large streams which flow toward the west in Tennessee have the same general characteristics; that is, heavy precipitous falls in the first portion of their courses, then long, even flows with but little fall across the broad plateaus, finally cutting through the border ranges on the line of North Carolina and Tennessee, where they have precipitous falls, in some cases more than 1,000 feet in a few miles.

After leaving the State of North Carolina, the French Broad flows in a northwesterly direction through the State of Tennessee to its junction with the Nolichucky and Holston rivers, tributaries which carry as much water as the French Broad.

Holston River receives its southern branches from the rough, mountainous region of the Blue Ridge.

The Watauga, one of the chief tributaries of the Holston, rises in the central part of the mountain district on the slopes of Grandfather Mountain and flows in a northwesterly direction through Watauga County. After flowing through the Iron Mountains in a rocky gorge and entering Tennessee the Watauga is joined by Roan and Elk creeks which have drainage areas with the same characteristics as its own. After the junction of these three streams the river flows through Carter and Sullivan counties, receiving tributaries on either side, the chief of which are Doe River, Buffalo Creek and Stony Creek. About 20 miles southwest of Bristol, Va., the Watauga joins the South Fork of the Holston and farther down near Kingsport the two forks of the Holston unite, forming one of the chief rivers of the State of Tennessee, the Holston.

The Nolichucky is formed by the junction of the North Toe and South Toe and Caney rivers, all of which rise in the high mountains of Mitchell and Yancey counties on the western border of North Carolina. The headwaters of the North Toe are separated from those of Elk Creek of the Watauga drainage, by a narrow ridge. The North Toe flows to the southwest to its junction with the South Toe, which rises in the Black Mountains, after which it flows in a westerly direction and is joined by Caney River, which also rises in the Black Mountains, but flows through a comparatively flat and open valley, draining a part of Yancey County.

The French Broad rises in the Blue Ridge at the State line between North and South Carolina, flows in a northwesterly direction, at first with considerable fall, then enters the broad plateau and with sluggish, even flow, continues its course westward until it breaks through the Bald Mountains. Numerous tributaries are received on either side, all of which in their lower courses have the characteristics of the rivers of the plains. The fall of the French Broad from Brevard to Asheville, a distance of 50 miles, is 2.7 feet per mile. The headwaters of these streams are located in a region which is noted for its scenery and which can not be surpassed in the Eastern States. While in height the mountains can hardly be compared with the Rockies or the Alps, they far outstrip in height, massiveness and extent the mountains of the Northeastern States.

The mountains and valleys are covered with a luxuriant growth of forest trees, making one continuous bank of green from the base to the summit of the highest peaks.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: First, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches:

MONTHLY DISCHARGE OF TENNESSEE RIVER, CHATTANOOGA, TENN.

For period 1899-1908—Drainage area 21,400 square miles.

Months.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	259,000	8,580	46,500	2.17	2.50
February	233,000	10,300	57,800	2.70	2.81
March	244,000	10,300	75,400	3.52	4.06
April	205,000	9,840	57,400	2.68	2.99
May	79,000	6,590	37,600	1.76	2.03
June	98,000	6,970	31,600	1.48	1.65
July	78,100	6,590	25,100	1.17	1.35
August	207,000	8,040	26,400	1.23	1.42
September	66,100	6,100	19,400	.907	1.01
October	42,500	5,060	16,800	.785	.90
November	119,000	5,060	20,200	.944	1.05
December	237,000	7,280	34,500	1.61	1.86
The period	259,000	5,060	37,400	1.75	23.63

MONTHLY DISCHARGE OF HOLSTON RIVER, ROGERSVILLE, (Austin Mills) TENN.

For period 1904-1908—Drainage area 3,060 square miles.

Months.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	51,400	1,320	5,540	1.81	2.09
February	26,600	1,320	5,220	1.71	1.78
March	18,200	2,740	6,790	2.22	2.56
April	42,200	2,330	5,660	1.85	2.06
May	14,500	1,900	4,930	1.61	1.86
June	47,400	1,500	4,520	1.48	1.65
July	16,200	1,320	3,560	1.16	1.34
August	11,800	1,140	3,630	1.19	1.37
September	27,400	805	2,950	.964	1.08
October	18,200	490	2,310	.755	.87
November	37,400	490	3,190	1.04	1.16
December	20,600	970	4,660	1.52	1.75
The period	51,400	490	4,410	1.44	19.57

MONTHLY DISCHARGE OF LITTLE TENNESSEE RIVER, McGHEE, TENN.

For period 1905-1908—Drainage area 2,470 square miles.

Months.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	38,800	1,390	8,100	3.28	3.78
February	38,800	2,600	8,360	3.38	3.52
March	26,300	4,380	8,260	3.34	3.85
April	18,500	3,970	7,040	2.85	3.18
May	12,500	3,420	6,310	2.55	2.94
June	16,600	2,990	5,550	2.25	2.51
July	21,800	2,790	6,000	2.43	2.80
August	15,000	2,420	5,160	2.09	2.41
September	20,500	1,790	4,500	1.82	2.03
October	36,200	1,650	4,750	1.92	2.21
November	70,000	1,650	5,350	2.17	2.42
December	21,500	1,650	7,360	2.98	3.44
The period	70,000	1,390	6,400	2.59	35.09

DISCHARGE OF NOLICHUCKY RIVER, GREENEVILLE, TENN.

For period June 1903-1908—Drainage area 1,100 square miles.

Months.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	32,300	462	2,200	2.00	2.31
February	9,680	553	2,080	1.89	1.97
March	9,130	1,220	2,560	2.33	2.69
April	9,900	1,100	2,100	1.91	2.13
May	7,690	930	2,110	1.92	2.21
June	6,820	780	1,870	1.70	1.90
July	11,900	595	1,650	1.50	1.73
August	11,000	557	1,690	1.54	1.78
September	16,900	388	1,380	1.25	1.40
October	13,000	320	1,300	1.18	1.36
November	19,800	355	1,220	1.11	1.24
December	8,360	312	1,630	1.48	1.71
The period	32,300	312	1,820	1.65	22.43

MONTHLY DISCHARGE OF FRENCH BROAD RIVER, ASHEVILLE, N. C.

For periods 1896-1901 and 1905-1908, except July 1901—Drainage area 987 square miles.

Months.	Discharge in second-feet.				Run-off
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	25,800	610	2,650	2.68	3.09
February	20,500	801	3,130	3.17	3.30
March	30,700	745	3,410	3.45	3.98
April	15,700	820	3,160	3.20	3.57
May	24,200	780	2,310	2.34	2.70
June	13,900	715	2,400	2.43	2.71
July	12,000	675	2,250	2.28	2.63
August	20,300	545	2,880	2.92	3.37
September	17,400	380	2,170	2.20	2.46
October	18,200	420	2,150	2.18	2.51
November	14,600	460	1,750	1.77	1.98
December	26,400	697	2,640	2.67	3.08
The period	30,700	380	2,580	2.61	35.38

MONTHLY DISCHARGE OF HIWASSEE RIVER, RELIANCE, TENN.

For period Aug. 19, 1900-Dec. 31, 1908—Drainage area 1,180 square miles.

Months.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	30,800	655	3,190	2.70	3.11
February	38,000	895	3,810	3.23	3.36
March	34,600	1,520	4,480	3.80	4.38
April	25,000	1,520	3,620	3.07	3.42
May	37,500	895	2,590	2.19	2.52
June	7,690	833	2,190	1.86	2.08
July	15,000	550	1,950	1.65	1.90
August	33,700	700	2,270	1.92	2.21
September	14,200	460	1,600	1.36	1.52
October	15,000	380	1,490	1.26	1.45
November	55,200	420	1,710	1.45	1.62
December	32,200	590	2,790	2.36	2.72
The period	55,200	380	2,640	2.24	30.29

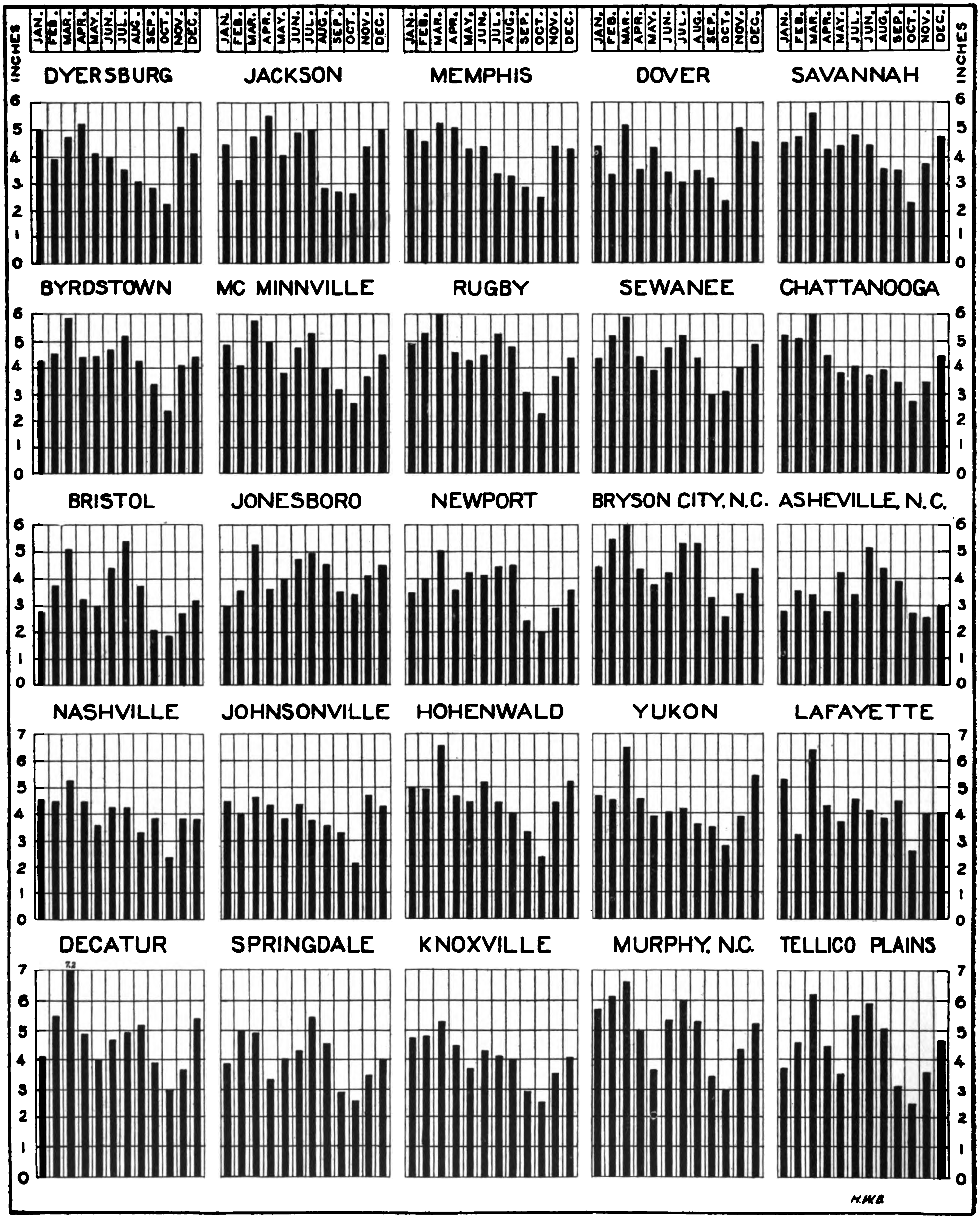


Diagram showing the comparative monthly distribution of precipitation.

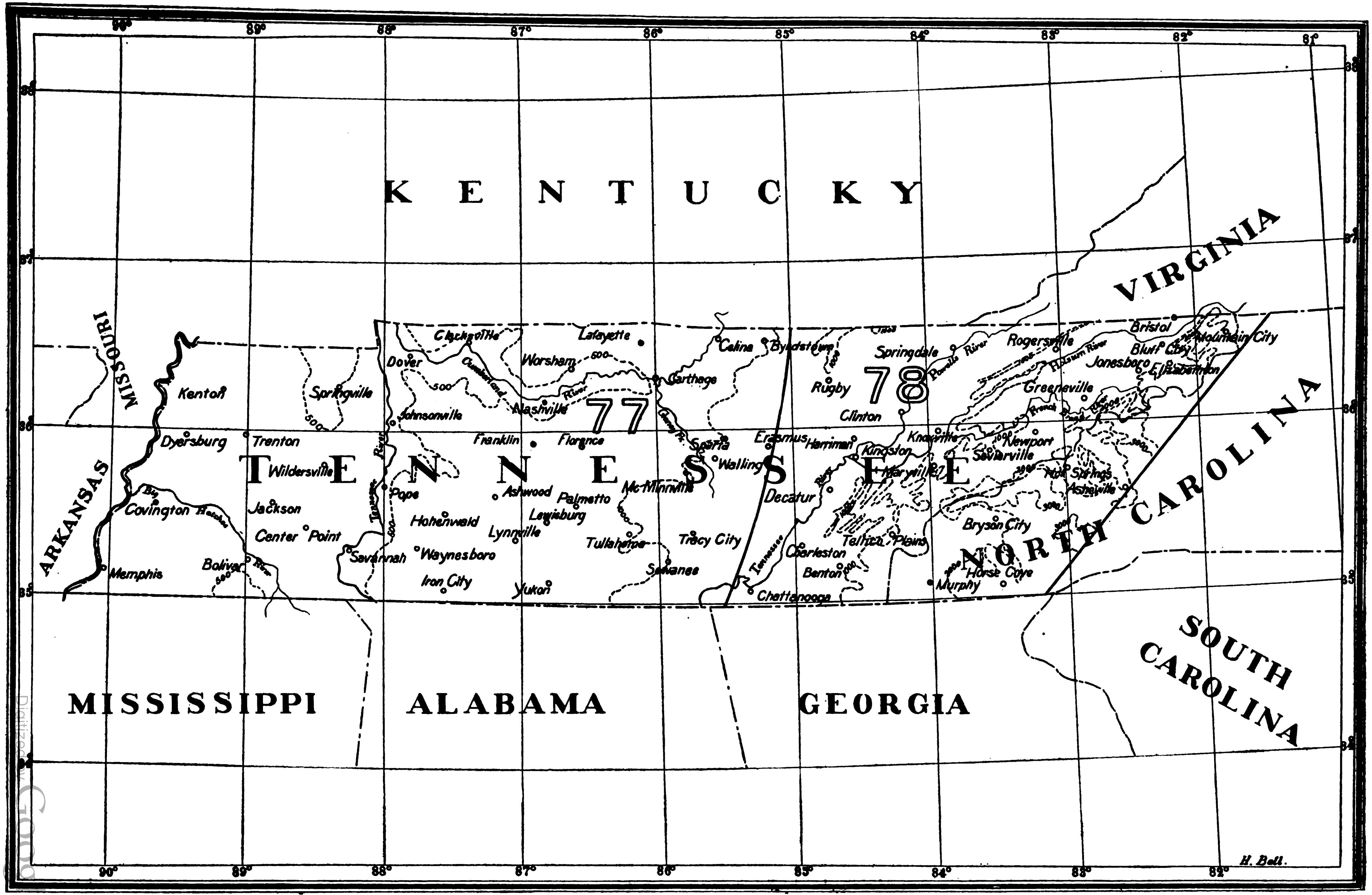


Chart showing the boundaries of sections, location of principal reporting stations, river systems, and general elevation above sea-level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, in charge.

SECTION NO. 79.—NORTHERN HALF OF MISSISSIPPI.

The territory covered by this discussion embraces the northern half of Mississippi, comprising an area of about 21,500 square miles, with an average population estimated at 42 persons to the square mile.

With respect to topography, the section may be divided into two divisions, which are separated by the Yazoo River. The division lying west of the Yazoo River comprises about one-eighth of the total area of the State. It extends from the northwestern corner of the State, where the elevation above sea level is a little more than 200 feet, to near Vicksburg, where the elevation is slightly less than 100 feet. It is a level tract of extremely fertile land, being a part of the Mississippi alluvial flood plane, and has a gradual slope to the south of 0.6 foot per mile. It is protected against overflow from the Mississippi River by 318 miles of continuous and very substantially built levee, which follows the sinuous course of the river quite closely. All the streams flow in a southerly direction and empty into the Yazoo River. A large portion of this division, commonly called the Yazoo-Mississippi delta, is still covered with a heavy growth of timber. The division east of the Yazoo River is mostly rolling and generally ranges from 300 to 600 feet in elevation. The streams are all small and flow in a westerly or southerly direction, being nearly all tributary to the Yazoo or Tombigbee rivers. Where not cleared for agricultural purposes, forests composed largely of deciduous trees interspersed with pines are general, except in about eight northeastern counties, known as the prairie region. The upland soil is clayey in texture, and much of it is red in appearance. Artesian wells are common.

The mean annual temperature is 62.4°. The winters are comparatively short and usually mild. While freezing weather is generally recorded in each of the winter months, below zero temperatures are exceptional. Much cloudy and damp weather prevails in January, February, and March.

The summers are rather long and hot. The high relative humidity makes the heat oppressive at times. The average number of days with maximum temperature above 90° is about 55, and readings of 100° or higher may occur in July and August. Temperature and general weather conditions are most agreeable in April, May, October, and November, when nights are cool and days are warm and pleasant.

The average date of the first killing frost in autumn is October 30 and the average date of the last killing frost in spring is March 28. Killing frost rarely forms in autumn earlier than October 10 or later in spring than April 20. Light frost occasionally occurs in September and May.

The average annual precipitation is about 50 inches, and it is rather evenly distributed over the section. Annual amounts have ranged from more than 70 inches to less than 35 inches. March is the wettest month, with an average precipitation of slightly more than 6 inches, and October is the driest, with a normal rainfall of about 2 inches. As a rule, the rainfall of summer is local in character, while the precipitation from December to March, inclusive, usually attends the passage of southwestern storm areas, and is general. Excessive precipitation may occur in any season, but it is most infrequent in autumn. Excessive rainfalls in twenty-four hours sometimes amount to 5 inches or more, and monthly amounts have exceeded 14 inches. On the other extreme, monthly amounts of less than one-half inch have been recorded in autumn.

Snow generally falls in some portion of the section in each of the winter months, and snowfalls have been noted in March and November. The average annual snowfall is close to 3 inches, about one-half of which falls in February. Snowstorms are frequently preceded by sleet.

The average annual number of days with thunderstorms is approximately 50. They occur in all months, being most numerous in July and August. They are generally of moderate force and not often accompanied by hail.

The winds are light and somewhat variable, being generally southerly in summer and northerly in winter. Tornadoes are infrequent, but most liable to occur in the spring.

WILLIAM S. BELDEN,
Section Director.

Precipitation in the northern half of Mississippi, monthly, annual, and average amounts (inches and hundredths).

[Figures in bold-face type estimated from surrounding stations.]

MEMPHIS, SHELBY COUNTY, TENN. Elevation, 397 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871..	......	......	9.84	5.03	6.02	5.12	2.53	2.69	3.38	4.04	2.23	1.70	.....
1872..	2.17	4.24	5.19	6.99	4.16	4.44	4.23	0.54	3.62	3.23	1.67	3.47	43.95
1873..	5.85	8.98	3.44	4.87	4.82	6.36	0.82	4.53	3.53	5.95	3.87	3.18	56.20
1874..	2.88	4.10	6.61	10.16	0.63	2.22	0.47	4.60	5.99	1.07	3.91	3.12	45.76
1875..	7.45	3.34	8.60	3.48	4.21	2.72	4.34	2.39	2.94	2.38	9.63	5.54	57.02
1876..	7.65	1.33	11.03	4.51	8.49	2.70	4.38	5.37	3.04	3.95	0.90	2.14	55.49
1877..	4.31	1.54	4.24	13.90	1.81	18.16	6.22	6.05	3.11	3.75	5.97	4.44	73.50
1878..	4.11	5.08	3.80	11.93	3.66	5.47	2.40	1.72	2.59	2.91	2.45	3.22	49.34
1879..	7.71	3.25	2.98	5.54	5.53	3.17	3.01	4.57	0.62	1.39	6.01	8.51	52.29
1880..	6.87	9.44	8.82	3.91	3.82	4.96	2.14	3.03	2.47	5.20	8.39	2.62	61.67
1881..	4.38	6.41	3.23	5.74	2.80	2.83	0.89	1.97	3.84	3.22	5.14	2.39	42.84
1882..	12.87	9.92	9.10	3.56	9.14	4.15	4.13	3.49	2.18	4.08	6.65	1.78	71.05
1883..	4.83	8.09	4.43	4.66	6.55	4.92	1.78	1.85	1.05	8.56	4.56	5.86	57.14
1884..	5.66	9.64	5.08	8.60	6.46	7.26	2.38	1.27	4.29	2.83	2.08	9.14	64.69
1885..	6.61	1.88	3.07	3.00	3.05	1.52	4.80	1.70	4.42	1.18	3.26	2.92	37.41
1886..	4.55	6.43	3.00	2.88	2.11	8.06	5.52	6.49	6.20	0.59	8.89	3.00	57.72
1887..	5.00	8.37	4.18	2.34	2.83	1.04	3.30	1.21	2.15	2.24	4.06	5.80	42.52
1888..	4.04	2.49	5.40	1.15	2.35	4.32	2.12	10.44	1.06	3.51	6.53	3.41	46.82
1889..	5.28	1.90	5.33	3.47	1.48	7.39	4.77	5.62	3.01	0.75	5.21	0.46	44.67
1890..	8.43	8.13	7.93	5.10	4.42	3.55	2.82	7.56	9.07	2.75	4.88	3.64	68.28

MEMPHIS, SHELBY COUNTY, TENN.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891..	7.33	4.07	7.37	2.72	1.75	4.74	6.06	3.18	0.59	2.21	4.79	6.50	51.31
1892..	3.06	3.15	4.05	8.26	7.46	4.60	7.55	3.52	0.98	0.62	6.26	11.95	61.46
1893..	1.42	6.33	1.95	5.48	13.34	2.39	0.73	0.62	5.46	0.64	3.48	2.61	44.45
1894..	4.03	7.94	10.90	8.45	5.70	2.60	3.27	5.11	1.60	0.55	0.49	3.88	54.52
1895..	5.94	1.39	7.01	2.32	0.46	2.31	6.99	0.64	0.73	2.17	5.54	3.09	38.59
1896..	4.32	3.19	4.78	3.78	2.49	2.07	0.80	0.84	3.21	1.49	7.47	0.56	35.00
1897..	4.63	5.17	10.04	5.46	1.37	2.50	2.42	2.64	0.00	1.00	5.00	5.80	46.03
1898..	10.72	1.82	4.73	2.30	4.39	2.76	4.28	2.69	5.57	3.14	3.22	2.96	48.58
1899..	5.78	4.33	3.03	1.38	5.18	2.66	5.86	2.08	0.52	1.78	2.34	4.05	38.99
1900..	2.21	5.27	2.98	5.31	3.23	11.45	2.56	0.48	2.73	3.43	4.66	3.11	47.42
1901..	3.42	1.95	3.48	1.60	2.00	1.82	0.45	6.78	5.56	1.57	1.52	4.43	34.58
1902..	6.00	2.16	5.96	2.69	4.49	5.27	1.10	4.51	2.67	3.23	4.15	8.09	50.32
1903..	3.31	8.06	5.59	2.69	4.76	1.87	1.09	1.55	0.35	0.25	2.38	4.27	36.17
1904..	3.34	1.31	5.96	3.79	4.91	3.82	4.44	2.24	0.58	0.31	1.46	10.40	42.56
1905..	4.15	2.83	4.86	5.83	7.16	6.63	4.51	5.28	1.42	7.01	2.18	3.99	55.85
1906..	5.30	1.31	5.19	1.21	3.93	1.84	4.78	2.32	6.71	1.99	14.53	5.20	54.31
1907..	2.89	2.60	4.00	4.03	7.54	1.91	3.48	0.49	1.55	4.90	5.13	3.03	41.55
1908..	4.71	5.36	5.02	5.75	3.21	5.73	3.50	4.52	1.49	0.05	5.45	2.67	47.46
Mean	5.22	4.67	5.58	4.84	4.41	4.40	3.34	3.33	2.90	2.63	4.64	4.29	50.25

HOLLY SPRINGS, MARSHALL COUNTY, MISS. Elevation, 600 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1867..	......	......	......	......	......	......	......	2.70	1.67	1.95	......	......	.....
1868..	......	2.45	6.39	9.15	4.85	0.60	6.06	9.46	11.90	.....	.....	......	.....
1870..	......	......	.....	......	......	4.30	0.90	2.20	2.90	0.10	0.70	......	.....
1871..	......	7.00	15.90	6.60	7.40	3.80	9.00	2.20	1.40	3.80	4.10	......	.....
1872..	1.04	3.95	3.10	10.33	3.30	2.00	......	......	1.01	......	1.10	......	.....
1884..	......	......	......	......	.....	8.07	4.93	2.18	0.83	2.21	......	......	.....
1885..	......	......	.....	......	2.32	4.63	2.35	1.46	6.89	2.47	......	......	.....
1886..	......	......	......	5.21	5.09	11.85	3.21	5.00	4.07	1.75	......	......	.....
1887..	......	......	......	......	2.30	1.77	3.01	1.78	0.93	2.42	......	......	.....
1888..	......	......	....	1.40	2.00	6.00	1.10	......	4.10	2.10	......	......	.....
1889..	......	......	......	......	1.24	7.57	3.50	2.30	6.60	0.60	4.80	1.00	.....
1890..	7.12	9.85	7.56	6.07	7.76	2.04	5.66	5.75	8.65	2.36	4.12	3.86	70.80
1891..	6.21	5.66	10.44	5.62	1.30	4.75	5.53	2.50	1.00	1.40	5.20	6.50	58.11
1892..	......	......	......	......	3.93	1.93	7.63	5.10	1.11	0.00	7.75	......	.....
1893..	......	......	......	......	11.96	4.12	2.18	1.39	4.88	0.65	3.04	...	.....
1894..	......	......	.....	......	3.55	2.80	6.18	7.09	1.74	0.26	0.96	4.31	.....
1895..	6.08	0.87	6.22	3.61	1.38	2.11	9.02	2.28	1.58	1.72	......	......	.....
1896..	......	......	......	3.56	4.06	1.78	2.53	3.72	1.40	1.97	6.27	2.82	.....
1897..	4.77	5.71	16.35	4.04	1.39	1.28	3.94	5.53	0.00	0.75	3.99	8.50	56.25
1898..	11.22	2.13	5.37	2.13	4.03	3.11	6.54	3.74	3.59	6.94	2.95	2.07	53.82
1899..	5.15	3.21	5.68	2.39	1.65	2.12	3.99	3.68	0.10	2.24	3.38	6.51	40.10
1900..	2.23	6.55	2.55	8.44	3.28	14.04	3.75	0.76	2.65	7.54	2.45	5.23	59.47
1901..	3.91	2.01	3.61	3.44	2.70	2.87	1.57	5.82	8.85	1.16	2.43	3.26	41.63
1902..	4.49	2.03	9.08	3.31	2.44	5.55	3.60	6.58	2.73	1.22	5.96	8.17	55.16
1903..	3.41	8.12	3.48	4.60	7.27	1.67	3.99	4.42	0.38	2.04	4.09	5.07	48.54
1904..	3.97	1.32	7.50	4.02	3.47	4.74	4.76	4.44	1.76	0.21	1.74	9.20	47.13
1905..	4.78	2.58	6.24	5.37	4.70	4.27	1.50	4.32	4.68	5.15	2.59	5.25	51.43
1906..	5.15	1.46	4.21	1.07	2.22	2.85	5.89	1.09	9.69	2.24	8.63	5.97	50.47
1907..	1.72	3.82	5.43	8.13	8.45	2.09	3.91	2.80	1.16	2.65	3.50	4.59	48.25
1908..	3.08	6.63	5.46	4.41	3.96	8.67	4.50	3.87	2.93	0.03	3.62	4.84	52.00
Mean	4.65	4.19	6.92	4.90	4.00	4.25	4.31	3.72	3.37	2.07	3.79	5.13	51.30

AUSTIN, TUNICA COUNTY, MISS. Elevation, 200 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895..	.....	......	.....	......	......	......	......	......	......	......	5.16	2.37	.....
1896..	6.15	3.17	5.86	4.80	2.26	3.00	0.16	2.01	2.56	2.13	8.13	0.52	40.75
1897..	7.71	6.36	11.19	5.20	0.37	4.94	3.95	4.16	0.00	1.63	5.60	7.18	58.38
1898..	13.58	2.00	4.03	3.48	5.22	2.38	3.66	2.99	5.73	4.42	3.42	3.75	54.66
1899..	5.84	4.01	4.37	2.08	3.54	1.52	8.40	3.90	0.93	1.16	3.78	5.40	44.93
1900..	2.89	6.10	2.20	4.82	5.33	14.72	2.49	1.57	3.38	2.58	6.24	4.82	57.14
1901..	2.78	2.39	1.59	2.53	3.44	0.38	3.60	5.78	9.73	2.00	3.31	5.76	43.29
1902..	6.76	2.11	9.49	1.75	5.48	6.19	3.11	7.29	7.04	2.32	6.08	12.44	70.06
1903..	5.40	10.48	5.14	2.41	5.21	2.70	3.30	2.57	0.72	0.56	0.60	6.63	45.72
1904..	4.52	1.57	6.76	3.72	2.27	4.45	5.93	3.81	0.71	1.08	1.68	9.81	46.31
1905..	6.54	3.80	7.64	6.97	7.40	5.91	3.52	3.38	2.79	5.99	3.05	6.32	63.31
1906.	6.34	1.55	5.42	2.45	3.77	1.77	8.93	4.07	7.41	2.67	19.78	8.97	73.13
1907..	2.97	4.89	6.65	9.02	8.32	1.78	1.58	3.16	2.06	2.53	5.26	1.76	49.98
1908..	6.12	7.76	4.77	4.62	3.39	1.57	5.48	6.19	2.01	0.52	5.91	3.43	51.77
Mean	5.97	4.32	5.78	4.14	4.29	3.85	4.16	3.91	3.47	2.28	5.58	5.65	53.50

BOONEVILLE, PRENTISS COUNTY, MISS. Elevation, 504 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	......	......	......	1.25	0.78	8.65	5.35	......	......	......	.....	0.98	.....
1890..	5.78	11.23	7.10	4.35	3.64	4.75	4.91	......	8.35	......	3.18	2.89	.....
1891..	4.40	11.58	......	......	0.58	4.59	7.00	1.05	1.98	0.82	9.16	5.37	.....
1892..	4.38	5.79	5.50	14.99	4.46	3.15	14.03	......	......	......	......	......	.....
1896..	......	....	......	2.76	......	......	4.82	1.08	0.73	2.24	......	....	.....
1897..	......	......	......	......	1.16	0.50	1.70	3.47	0.00	......	......	......	.....
1898..	7.51	1.97	4.50	2.67	4.81	1.19	3.39	2.33	2.95	3.83	3.44	3.11	41.07
1899..	5.79	5.54	6.79	2.64	0.79	2.10	3.20	1.45	0.11	1.22	2.76	5.89	38.28
1900..	2.09	4.59	4.05	8.18	5.28	12.27	2.49	2.58	2.04	10.01	6.41	3.63	63.62
1901..	4.26	2.13	5.03	3.31	3.96	1.80	1.69	8.53	4.27	1.24	1.61	6.26	44.09
1902..	5.18	2.86	10.98	2.55	1.65	3.24	6.10	2.60	3.33	0.63	5.70	7.10	52.92
1903..	4.74	8.41	6.20	2.91	5.51	3.88	1.09	4.74	0.18	0.55	0.86	4.60	43.67
1904..	3.74	1.64	7.88	2.65	2.87	2.77	3.48	1.38	1.49	0.18	2.76	8.75	39.59
1905..	6.77	4.51	3.34	3.60	4.51	5.94	4.37	5.61	2.76	4.05	2.52	5.64	53.62
1906..	3.69	1.53	4.81	1,67	4.06	1.55	8.46	1.14	5.84	5.28	4.42	5.69	48.14
1907..	2.19	4.09	4.80	5.86	10.10	2.26	4.25	2.20	2.50	3.64	4.56	5.57	52.11
1908..	5.92	8.11	5.17	5.25	4.21	7.17	1.84	5.68	1.39	0.04	1.59	5.72	52.09
Mean	4.82	5.28	5.86	4.31	3.61	4.11	4.60	3.14	2.53	2.59	3.77	5.09	49.71

CORINTH, ALCORN COUNTY, MISS. Elevation, 430 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882..	......	......	......	......	......	......	4.01	5.08	0.45	0.84	......	......	.....
1883..	......	......	......	7.07	3.54	5.55	5.36	2.69	0.92	5.65	......	......	.....
1884..	......	......	......	6.25	4.62	7.57	8.06	2.40	0.83	2.90	.....	......	.....
1887..	......	......	......	......	2.08	4.03	0.40	0.06	1.08	2.07	......	......	.....
1888..	......	......	......	......	......	1.36	1.41	5.53	1.46	......	......	......	.....
1889..	......	....	......	......	0.75	9.95	8.73	2.59	4.86	0.38	5.50	0.81	.....
1890..	......	......	......	......	4.33	2.30	4.60	8.47	12.57	2.34	1.75	.....	....
1891..	......	......	......	......	2.35	3.34	5.24	2.74	1.26	1.95	4.88	......	.....
1892..	......	......	......	......	5.64	2.78	8.62	3.66	6.33	0.00	6.85	5.63	.....
1893..	1.54	5.02	2.40	7.76	10.11	7.51	2.42	2.33	5.52	0.30	4.01	1.32	50.24
1894..	......	......	......	......	3.75	1.53	4.79	3.23	0.67	0.00	0.69	4.16	.....
1895..	4.45	......	6.26	7.50	3.58	2.64	8.94	3.62	1.23	1.34	......	......	.....
1896..	.....	......	......	......	1.79	1.76	3.36	1.90	0.96	0.91	......	......	.....
1897..	.....	......	......	4.12	2.60	1.83	......	0.69	0.00	0.82	6.44	7.79	.....
1898..	8.44	......	6.02	3.40	3.45	2.42	6.94	2.08	1.74	3.46	......	......	.....
1899..	......	......	......	4.11	0.69	1.91	1.91	1.95	0.28	1.44	2.95	6.96	.....
1900..	2.75	3.99	2.59	6.73	5.22	8.40	2.64	0.66	2.07	8.51	5.92	3.66	53.14
1901..	......	......	......	3.03	3.77	2.55	1.58	12.45	6.76	1.38	......	.....	.....
1902..	......	2.91	12.14	2.25	0.58	3.26	1.11	5.46	4.22	1.00	5.86	8.68	.....
1903..	.....	......	......	......	5.66	4.30	5.27	3.71	0.60	1.19	2.64	4.39	.....
1904..	3.33	2.33	6.09	3.24	4.09	2.57	4.23	1.86	1.26	0.61	2.61	9.67	41.89
1905..	5.32	4.62	5.23	4.30	3.90	9.75	2.71	7.54	3.27	3.56	1.67	6.56	58.43
1006..	4.09	1.21	5.04	1.84	2.26	3.36	15.88	2.86	5.62	6.41	5.21	5.99	59.77
1907..	4.46	5.81	7.12	5.50	9.26	1.54	7.00	1.00	2.69	2.67	5.13	5.67	57.85
1908..	4.24	7.13	4.38	6.06	4.02	6.21	3.80	5.18	3.66	0.11	2.41	5.39	52.59
Mean	4.29	4.13	5.73	4.88	3.83	4.10	4.96	3.59	2.81	2.08	4.03	5.48	49.91

BATESVILLE, PANOLA COUNTY, MISS. Elevation, 230 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882..	......	......	......	5.56	6.28	1.51	8.48	3.63	2.06	1.66	......	.....	.....
1883..	......	......	......	5.72	2.24	4.39	1.28	2.58	.....	......	......	......	.....
1884..	......	......	......	11.90	4.49	5.39	7.23	2.43	1.91	1.85	......	.....	.....
1885..	......	......	......	......	1.45	3.06	3.00	1.43	6.86	0.36	.....	......	.....
1886..	.....	......	......	......	1.79	6.35	2.03	2.76	5.23	0.87	......	......	....
1887..	......	4.16	5.36	2.29	2.69	1.20	1.50	1.64	2.12	3.06	2.04	......	.....
1888..	3.46	3.14	9.68	2.13	3.57	4.37	0.87	9.66	6.09	2.18	3.75	3.71	52.61
1889..	4.11	3.60	2.90	1.45	1.00	9.55	8.27	2.46	3.07	0.00	4.86	0.30	41.57
1890..	6.15	5.95	7.15	3.90	7.26	2.83	1.65	3.86	4.00	2.84	2.49	3.15	51.23
1891..	5.27	5.60	7.43	4.44	3.29	6.50	10.22	3.65	1.44	0.78	4.60	4.30	57.52
1892..	3.80	2.12	4.25	5.72	4.33	3.52	5.28	2.25	0.13	0.00	2.92	8.85	43.17
1893..	5.40	4.95	2.00	7.40	13.49	7.67	2.33	3.02	8.27	0.28	5.26	......	.....
1894..	7.11	7.16	7.79	3.22	0.98	0.61	6.14	5.88	2.06	0.33	0.66	4.11	46.05
1895..	6.00	0.50	4.24	3.26	1.74	3.58	6.64	0.53	1.05	1.69	3.57	3.94	36.74
1896..	3.47	4.34	8.01	5.57	2.58	5.72	0.60	1.85	1.34	2.80	6.85	0.65	43.78
1897..	5.02	5.24	12.02	2.68	1.32	0.14	1.08	1.82	0.00	0.44	2.89	6.98	39.63
1898..	6.32	1.77	3.64	5.02	5.29	3.88	3.49	4.11	3.79	5.73	2.54	2.10	47.68
1899..	6.84	3.75	4.66	1.65	1.96	2.32	10.49	3.48	0.94	1.60	1.28	7.04	46.02
1900..	1.67	7.01	3.17	7.72	3.70	10.85	3.26	1.71	4.22	5.98	4.80	4.62	58.71
1901..	6.82	2.25	5.33	3.68	2.75	1.54	1.18	7.71	4.82	0.79	2.58	5.07	44.52
1902..	5.05	2.65	12.79	2.63	1.56	2.01	4.58	3.70	4.25	1.67	6.07	6.60	53.56
1903..	4.67	8.80	3.42	2.36	6.77	4.97	3.30	2.80	0.40	1.00	2.54	5.30	46.33
1904..	2.63	1.21	8.76	2.87	2.48	3.75	4.31	2.70	0.46	0.75	2.40	8.80	41.12
1905..	5.90	3.60	5.19	6.19	8.64	3.10	1.95	4.08	3.38	1.95	3.15	5.45	52.58
1906..	4.45	2.40	5.33	1.10	6.89	5.38	6.47	4.39	10.37	2.69	9.93	4.88	64.28
1907..	1.61	4.40	5.54	3.96	7.84	3.09	3.75	2.16	0.81	2.55	3.37	3.98	43.06
1908..	4.34	5.09	4.40	3.02	4.79	2.16	2.77	1.56	1.38	0.11	3.03	3.88	36.53
Mean	4.77	4.08	6.05	4.22	4.12	4.05	4.15	3.25	3.09	1.69	3.71	4.69	47.87

WATER VALLEY, YALOBUSHA COUNTY, MISS. Elevation, 300 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1886..	8.32	3.92	3.13	6.77	2.45	8.18	3.00	1.30	5.70	4.19	7.35	2.57	56.18
1887..	5.22	3.00	3.77	2.89	3.27	2.30	4.45	2.25	3.36	3.77	1.00	7.43	42.71
1888..	3.50	3.47	11.60	1.27	2.80	3.74	2.44	9.73	6.71	2.22	1.58	2.49	51.55
1889..	4.64	3.73	2.30	3.51	2.29	8.47	3.72	3.24	1.54	0.39	4.64	0.96	39.43
1890..	5.36	6.79	8.66	4.10	6.83	3.50	3.11	4.84	6.73	2.83	2.28	3.46	58.49
1891..	5.44	8.15	9.29	5.96	0.29	4.90	4.36	2.23	1.72	1.25	5.80	1.71	51.10
1892..	7.78	3.10	3.83	9.50	3,89	4.23	5.45	5.32	1.01	0.06	4.63	8.28	57.08
1893..	1.57	5.74	3.00	8.01	10.42	6.76	1.45	0.72	9.14	1.07	5.48	1.69	55.05
1894..	6.27	7.89	8.06	3.30	0.36	2.63	2.27	4.68	4.81	1.20	0.40	4.60	46.56
1895..	6.07	1.25	6.71	4.92	2.76	9.79	4.40	1.31	3.30	2.19	3.43	6.11	52.24
1896	4.01	4.52	7.82	3.91	1.72	7.12	1.42	2.26	1.55	3.51	3.65	0.31	41.80
1897..	6.01	3.39	15.50	2.89	4.05	0.31	4.90	3.38	0.00	3.08	1.30	8.53	53.34
1898..	10.12	1.72	3.62	5.22	4.15	5.91	5.40	1.98	4.00	3.33	2.30	2.53	50.28
1899..	7.35	5.25	8.49	3.53	3.81	1.80	7.86	1.91	0.29	1.40	3.55	7.41	52.74
1900..	1.96	5.36	3.52	10.62	5.50	11.88	7.89	1.83	2.23	12.23	3.97	4.55	71.54
1901..	4.54	8.24	3.85	5.00	4.14	1.43	1.87	5.48	5.23	0.72	2.74	6.23	49.47
1902..	6.45	2.74	12.33	2.36	3.70	1.70	4.35	2.52	5.36	T.	5.85	5.46	52.82
1903..	5.68	9.97	3.74	1.77	4.47	4.45	2.97	5.07	T.	2.00	2.16	4.70	46.98
1904..	2.77	3.13	7.30	2.50	2.44	6.37	5.70	3.53	1.00	0.15	3.46	10.95	49.30
1905..	7.55	5.80	5.00	7.85	9.38	6.50	3.33	5.90	2.20	4.90	3.75	4.72	66.88
1906..	3.56	1.13	7.50	2.80	9.75	4.38	8.98	2.05	9.50	2.23	6.45	4.80	63.13
1907..	3.50	5.65	5.80	5.66	9.49	3.13	4.25	2.27	1.20	5.08	4.64	6.75	57.42
1908..	5.00	9.48	4.95	4.94	7.05	6.05	7.07	3.29	2.42	T.	2.12	5.52	57.89
Mean	5.33	4.93	6.51	4.75	4.57	5.03	4.38	3.35	3.43	2.51	3.59	4.86	53.24

UNIVERSITY, LA FAYETTE COUNTY, MISS. Elevation, 502 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	......	.....	......	......	1.90	5.67	4.69	1.26	3.60	3.50	1.28	6.32	.....
1888..	2.95	2.87	8.06	1.69	3.09	3.73	3.37	7.74	4.47	1.60	4.51	2.91	46.99
1889..	5.21	3.55	3.04	1.83	1.94	8.39	4.75	4.56	3.17	0.59	5.36	0.48	42.87
1891..	6.53	8.20	11.10	3.34	1.58	6.76	4.11	4.03	0.85	2.02	5.03	3.89	57.44
1892..	4.61	4.82	3.80	10.67	4.35	5.02	14.14	5.97	0.91	0.07	5.23	8.45	68.04
1893..	......	3.22	2.26	8.36	11.38	6.09	1.78	1.32	......	0.60	.....	1.40	.....
1894..	......	5.23	......	......	0.69	1.62	6.41	3.78	......	0.30	0.47	4.23	.....

UNIVERSITY, LA FAYETTE COUNTY, MISS.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895..	5.67	0.67	3.32	3.49	1.22	....	2.13	2.03	......	......	4.22	......	.....
1896..	......	......	......	3.64	2.00	4.99	0.95	1.38	0.53	1.51	......	......	.....
1897..	......	......	15.50	2.38	......	......	......	......	0.00	1.76	2.58	5.61	.....
1898..	8.95	......	......	4.27	......	......	......	......	......	......	......	......	.....
1899..	......	......	6.71	1.60	3.25	......	5.79	3.16	2.00	2.01	2.20	4.82	.....
1900..	2.10	6.30	3.13	......	......	......	......	......	......	......	......	......	.....
1901..	......	......	......	......	......	......	......	......	......	......	......	7.80	.....
1902..	4.15	3.20	11.86	3.16	2.53	2.05	3.08	3.03	5.94	0.48	5.53	6.01	51.02
1903..	5.85	8.80	4.17	2.05	3.60	2.80	2.52	4.77	T.	1.09	2.44	5.44	43.53
1904..	3.07	1.82	8.06	2.79	3.16	4.60	5.87	4.74	0.85	0.23	2.94	9.22	47.35
1905.	7.23	4.86	5.53	9.36	6.61	4.46	2.69	3.87	1.54	3.30	2.83	4.87	57.15
1906..	4.31	1.86	6.17	1.43	5.67	4.56	4.09	3.11	8.71	2.72	9.29	4.90	56.82
1907..	2.72	4.48	5.55	7.39	10.00	2.69	3.65	1.69	0.81	1.63	4.93	5.29	50.83
1908 .	4.17	7.70	4.35	5.29	3.63	4.42	5.13	4.01	2.89	T	2.79	5.43	49.81
Mean	4.82	4.51	6.41	4.28	3.92	4.52	4.42	3.56	2.59	1.38	3.85	5.12	49.38

TUPELO, LEE COUNTY, MISS. Elevation, 287 feet.

1897..	......	......	......	......	......	......	1.50	2.95	0.00	0.60	2.75	7.68	.....
1898..	8.12	0.91	3.66	3.19	3.16	2.04	4.39	3.51	3.19	2.59	3.65	2.21	40.62
1899..	6.23	5.82	8.32	2.69	0.97	1.48	5.01	3.02	0.28	1.32	3.19	3.72	42.05
1900..	2.23	4.27	4.46	8.26	2.74	15.51	4.76	1.44	2.28	7.26	3.83	4.05	61.09
1901..	5.98	3.28	5.10	3.73	4.93	1.59	3.23	9.46	3.45	1.24	2.01	5.47	49.47
1902..	4.31	3.64	9.84	3.33	0.78	2.06	2.23	3.59	4.11	0.65	5.88	8.20	48.62
1903	5.66	8.45	4.88	2.61	5.64	3.26	1.37	2.73	0.05	0.46	3.18	3.97	42.26
1904..	3.02	1.79	6.13	2.76	2.43	3.62	7.61	3.24	2.74	0.21	3.19	5.99	42.73
1905..	7.72	6.90	4.56	4.99	5.32	3.17	2.16	3.62	1.64	3.96	2.95	5.94	52.93
1906..	4.35	1.65	6.35	1.08	3.74	5.39	5.79	2.21	7.68	2.64	3.59	3.52	47.99
1907	1.78	5.48	3.38	4.65	14.72	3.45	3.23	2.08	1.73	1.56	4.01	4.09	50.16
1908..	3.66	9.67	6.01	5.13	5.16	5.07	2.97	5.42	2.88	T.	1.66	5.87	53.50
Mean	4.82	4.81	5.70	3.86	4.51	4.24	3.69	3.61	2.50	1.87	3.32	5.06	47.99

ABERDEEN, MONROE COUNTY, MISS. Elevation, 210 feet.

1882..	......	......	......	11.24	3.39	3.58	6.02	5.50	0.74	2.17	......	......	.....
1883..	......	......	......	4.98	2.20	2.55	0.95	2.80	1.34	6.56	......	......	.....
1884..	......	......	......	2.81	1.79	6.74	4.91	0.78	2.93	0.60	......	......	.....
1885..	......	......	......	......	4.82	2.44	2.80	2.56	6.83	2.87	......	......	.....
1886..	......	......	......	......	2.49	13.50	1.69	6.29	2.48	0.12	......	......	.....
1887..	......	......	......	......	2.30	1.71	4.71	2.23	1.50	2.90	......	......	.....
1888..	......	......	......	1.19	1.45	3.45	6.60	11.71	4.83	4.05	......	......	.....
1889..	......	......	......	......	3.38	6.75	7.89	2.52	2.35	0.20	2.96	......	.....
1890..	......	......	......	......	5.03	4.05	3.49	4.27	5.46	2.55	0.00	......	.....
1891..	......	......	......	......	2.17	8.81	9.50	1.46	0.68	0.00	7.54	......	.....
1892..	......	......	......	......	2.57	5.97	7.81	6.09	4.30	0.00	4.60	7.43	.....
1893	2.35	7.05	2.71	4.95	7.64	4.60	2.43	1.73	7.15	0.45	3.31	4.61	48.98
1894..	7.83	6.53	4.27	4.05	2.66	1.85	3.55	7.18	2.72	0.52	1.10	......	.....
1895..	....	......	......	......	2.43	10.72	3.55	1.15	0.80	2.00	......	......	.....
1896..	......	......	5.86	......	1.48	3.20	2.60	2.60	0.65	......	......	......	.....
1897..	......	......	......	2.85	3.40	0.40	1.95	3.05	0.00	0.70	......	......	.....
1898..	......	....	....	......	1.40	3.20	3.73	4.08	3.65	2.49	2.30	2.30	.....
1899..	4.20	7.13	7.07	1.43	1.48	5.03	5.10	3.85	0.15	0.80	2.75	6.70	45.69
1900..	1.20	1.33	3.20	6.90	3.40	12.53	4.92	1.10	0.65	7.58	..	......	.....
1901..	......	......	......	4.18	3.75	2.13	3.99	7.29	2.95	1.10	2.30	4.79	.....
1902..	4.37	3.42	9.57	3.35	1.59	2.74	6.76	4.67	3.22	1.56	4.50	6.35	52.10
1903..	5.28	8.93	6.82	0.75	4.20	3.25	2.09	3.69	T	1.81	2.49	2.43	41.74
1904..	2.88	1.57	4.51	1.05	2.98	2.61	8.43	2.29	1.92	0.23	2.97	4.52	35.96
1905..	7.12	8.10	4.05	6.38	4.20	5.88	3.41	8.16	3.13	5.18	2.06	5.54	63.21
1906..	3.20	1.26	6.02	2.47	6.10	1.79	6.08	2.33	10.27	2.95	3.11	3.72	49.30
1907..	1.44	5.97	3.42	6.53	10.48	1.58	7.74	1.87	2.11	1.45	5.33	4.37	52.29
1908..	3.89	6.64	5.69	3.88	6.34	3.43	2.15	4.76	1.78	0.41	1.50	8.58	49.05
Mean	3.98	5.27	5.27	4.06	3.52	4.61	4.62	3.93	2.76	1.97	3.05	5.11	48.15

GREENVILLE, WASHINGTON COUNTY, MISS. Elevation, 126 feet.

1887..	3.62	4.41	2.74	1.91	3.13	4.28	5.62	2.20	3.61	3.76	0.97	6.04	42.29
1888..	6.11	......	9.88	1.65	4.54	3.95	3.28	10.39	......	......	....	.....	.....
1889..	5.01*	2.71	1.89	2.60	4.03	7.09	4.50	1.86	4.05	0.40	5.92	1.05	41.14
1890..	4.98	5.58*	6.63	11.01	4.67	2.31	2.23	2.09	4.94	2.79	1.48	3.94	52.65
1891..	3.79	8.38	4.43	2.24	3.42	3.02	12.32	2.44	7.54	0.86	5.40	3.40	51.24
1892..	5.59	3.60	3.91	9.74	2.93	2.54	9.25	3.50	6.96	0.80	2.44	6.54	57.80
1893..	4.38	5.27	2.70	5.67	7.32	7.71	2.43	2.79	2.71	0.34	6.32	1.87	49.51
1894..	7.37	3.19	9.48	4.48	0.61	0.30	5.09	5.96	1.17	1.53	0.35	4.25	43.78
1895..	6.32	1.25	7.37	1.71	1.32	11.50	4.30	7.23	0.37	1.20	3.78	3.58	49.93
1896.	3.29	5.24	7.98	2.48	1.09	0.71	0.85	1.84	0.74	3.20	4.73	0.17	32.32
1897..	4.31	4.05	11.48	1.96	2.19	1.05	3.85	2.24	T.	2.20	2.96	8.37	44.66
1898..	8.19	2.89	2.94	3.83	3.15	2.54	1.57	7.51	6.12	5.85	4.60	1.51	50.70
1899..	5.30	4.57	5.21	2.19	4.67	1.51	2.10	0.87	1.18	1.15	0.94	4.23	33.92
1900 .	1.94	5.44	5.64	7.11	4.02	9.29	6.11	0.93	2.58	5.03	3.30	3.43	54.82
1901..	4.50	3.91	4.66	3.06	5.58	1.20	2.25	2.47	4.75	0.90	3.60	4.71	41.68
1902..	2.10	2.75	7.26	2.91	4.60	0.84	2.00	1.79	5.17	2.52	6.56	4.95	43.45
1903..	4.73	7.97	5.87	1.12	2.41	2.05	4.71	5.37	0.36	0.53	0.28	4.49	39.89
1904	2.57	1.23	5.35	3.58	1.33	8.82	4.41	1.72	0.04	0.16	3.47	9.26	41.94
1905.	7.88	4.26	5.11	8.04	6.45	5.91	5.20	9.31	2.44	2.41	3.49	6.15	66.65
1906..	3.49	1.43	5.44	1.35	6.49	1.43	5.89	2.24	8.80	3.65	8.76	5.68	54.65
1907	2.03	3.66	6.14	5.29	7.55	1.58	2.27	0.58	4.40	3.24	4.46	4.79	45.99
1908 .	4.93	11.28	4.76	4.13	5.63	4.54	4.61	7.12	2.06	0.14	3.53	6.71	59.44
Mean	4.66	4.43	5.77	4.00	3.96	3.83	4.31	3.75	3.05	2.03	3.69	4.53	48.01

* Record from Arkansas City, Ark.

PONTOTOC, PONTOTOC COUNTY, MISS. Elevation, 475 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	7.82	3.00	3.03	2.23	1.77	8.65	6.23	3.51	1.39	0.19	2.77	0.67	41.26
1890..	4.65	8.28	8.06	4.83	5.06	3.47	5.39	7.47	9.41	1.60	2.80	5.14	66.16
1891..	7.06	10.99	9.96	1.18	1.03	4.23	6.14	1.07	0.15	0.61	8.36	4.70	55.48
1892..	......	3.41	4.48	10.13	6.25	5.00	9.30	3.09	9.10	T.	4.67	8.83	....
1893..	4.30	4.11	2.96	8.27	7.85	5.84	1.31	4.70	4.85	0.95	3.99	3.93	53.06
1894..	5.85	7.61	6.35	3.03	2.82	4.34	6.05	4.54	3.88	0.29	1.29	5.17	51.22
1895..	5.51	1.61	6.25	2.20	3.44	5.21	3.81	1.86	2.03	0.50	2.60	6.58	41.60
1896..	3.85	7.61	6.57	2.75	2.02	3.83	2.39	1.60	0.97	2.27	3.59	1.01	38.46
1897..	4.69	1.59	16.73	2.02	2.01	1.86	4.58	3.98	T.	1.74	2.07	8.06	49.33
1898..	7.67	1.09	3.74	3.64	3.11	1.62	7.62	4.63	3.62	3.41	4.48	3.18	47.81
1899..	6.88	4.66	8.27	2.17	1.30	2.60	7.89	2.00	0.78	0.82	1.93	5.11	44.41
1900..	1.75	4.10	3.85	6.97	4.18	13.51	4.61	1.49	2.70	6.54	3.48	2.18	55.36
1901..	5.18	3.00	4.46	3.70	5.07	0.16	2.08	12.78	3.85	1.48	1.58	5.86	49.20
1902..	2.75	2.53	7.26	2.22	0.81	2.49	2.69	4.42	4.56	0.43	6.72	5.73	42.61
1903..	5.33	6.83	4.24	2.14	4.14	3.03	4.23	3.71	0.61	0.69	2.73	3.92	41.60
1904..	2.95	1.19	6.45	2.17	0.42	3.03	8.95	3.38	T.	T.	2.91	5.76	37.21
1905..	7.96	5.13	3.94	4.32	4.13	5.03	2.04	2.73	2.38	4.91	3.13	3.94	49.64
1906..	2.26	1.47	5.08	1.45	3.61	3.00	4.26	0.82	8.78	3.35	3.40	2.70	40.18
1907..	1.92	4.15	3.88	4.66	9.44	2.52	1.65	2.02	1.48	1.60	4.24	2.68	40.24
1908..	4.39	7.10	4.70	3.92	2.96	2.97	6.00	3.04	0.77	0.20	2.12	7.10	45.27
Mean	4.88	4.47	6.01	3.70	3.57	4.12	4.86	3.64	3.07	1.58	3.44	4.61	47.95

GREENWOOD, LEFLORE, COUNTY, MISS. Elevation, 140 feet.

1897..	......	......	......	......	......	......	......	......	0.10	3.10	1.00	9.51	.....
1898..	11.39	1.64	3.78	4.78	2.53	6.61	8.14	1.83	6.95	3.01	3.26	1.93	55.85
1899..	7.20	3.96	9.97	2.31	.....	......	7.16	2.78	1.95	1.13	......	7.76	.....
1900..	1.81	....	......	......	......	....	8.70	2.45	1.83	.....	2.70	.....	.....
1902..	3.80	2.91	11.30	3.10	2.32	0.62	6.09	3.75	7.13	0.69	5.97	5.28	52.96
1903..	5.13	10.89	4.53	0.52	3.69	2.64	3.10	3.52	0.59	0.53	1.45	4.46	41.05
1904..	3.30	1.83	7.18	2.49	3.13	5.37	6.66	4.83	0.64	T.	3.55	6.51	45.49
1905..	6.78	6.11	4.77	6.77	8.86	6.61	4.92	5.81	3.17	4.50	3.33	7.38	69.01
1906..	3.07	0.92	6.15	1.02	7.40	1.22	4.90	3.19	8.36	3.36	7.02	5.04	51.65
1907..	3.80	2.98	5.10	4.86	9.10	2.22	2.96	1.04	2.60	1.86	4.40	3.64	44.56
1908..	2.43	10.88	4.15	3.56	5.76	3.62	2.74	6.00	1.38	0.06	2.22	6.42	49.22
Mean	4.87	4.57	6.33	3.27	5.35	3.61	5.54	3.52	3.15	1.82	3.49	5.79	51.31

DUCK HILL, MONTGOMERY COUNTY, MISS. Elevation, (?) feet.

1892..	......	......	3.94	......	......	......	7.95	5.82	2.62	......	......	......	.....
1893..	......	5.00	......	.....	7.52	......	2.28	2.76	5.22	1.86	3.61	3.18	.....
1894..	......	......	5.72	4.01	0.88	1.48	3.20	3.35	4.39	1.45	0.92	3.45	.....
1895..	6.58	0.70	8.03	4.95	2.21	3.58	5.58	1.96	2.39	......	......	2.45	.....
1902..	......	2.88	10.30	3.55	0.76	0.02	3.19	0.86	4.61	......	5.67	......	.....
1903..	......	......	3.60	0.95	3.54	1.15	3.15	3.40	T.	0.50	1.50	4.56	.....
1904..	2.96	2.54	8.77	2.91	1.06	1.10	5.05	1.69	1.10	T.	2.13	3.57	32.88
1905..	6.65	6.91	4.68	8.36	6.66	8.18	7.06	4.88	1.47	2.31	2.47	4.49	64.12
1906..	2.82	1.85	6.76	1.31	7.98	2.30	7.37	5.38	8.81	2.38	4.09	5.42	56.47
1907..	3.36	3.18	3.61	5.45	7.77	4.04	3.10	2.45	2.28	2.20	5.45	5.07	47.96
1908..	5.05	9.63	6.65	4.17	3.99	3.94	5.09	2.76	1.05	0.10	2.74	6.60	51.77
Mean	4.57	4.09	6.21	3.96	4.24	2.87	4.82	3.21	3.09	1.35	3.18	4.31	45.90

AGRICULTURAL COLLEGE, OKTIBBEHA COUNTY, MISS. Elevation, 424 feet.

1888..	6.48	6.86	11.15	1.50	2.15	......	4.67	6.70	......	2.99	3.60	3.75	.....
1889..	6.17	2.47	4.63	4.18	1.55	6.80	7.72	4.03	1.24	0.70	4.18	0.77	44.44
1890..	3.62	8.03	7.97	5.46	4.35	3.20	3.47	5.83	6.74	3.90	0.01	2.47	55.05
1891..	7.64	8.50	9.84	3.88	1.78	5.69	8.68	1.30	0.70	T.	7.74	5.42	61.17
1892..	6.65	1.57	5.49	9.75	2.06	5.07	13.39	5.88	1.94	T.	3.65	4.43	59.88
1893..	2.06	5.11	2.56	1.87	7.11	1.25	2.28	2.89	8.34	0.54	2.99	3.17	40.17
1894..	5.01	4.73	6.79	3.13	2.40	2.57	4.88	6.76	1.68	0.75	0.16	4.11	42.97
1895..	8.68	1.75	8.03	2.63	1.81	5.42	2.54	4.71	2.06	2.72	1.71	5.43	47.49
1896..	4.15	9.31	4.52	4.21	4.44	4.48	2.60	1.47	1.03	2.61	4.38	1.00	44.20
1897..	4.41	4.04	6.76	2.41	1.26	1.93	4.75	3.59	T.	2.55	0.72	12.72	45.14
1898..	7.87	1.73	4.95	4.58	4.17	2.46	4.32	6.66	6.95	2.45	5.00	2.20	53.34
1899..	8.37	8.99	8.84	1.50	4.93	1.82	4.56	3.85	0.15	1.10	3.91	7.43	55.45
1900..	......	......	......	11.90	3.88	14.39	6.22	0.83	0.63	8.06	1.18	3.15	.....
1901..	6.60	5.63	3.20	4.94	3.87	3.75	0.60	8.16	2.35	1.25	4.00	5.32	49.67
1902..	4.07	5.68	15.34	3.11	1.48	1.93	3.91	1.17	2.67	2.16	4.79	7.07	53.38
1903..	4.64	8.62	4.63	0.45	8.33	2.36	4.80	3.35	T.	1.26	0.15	2.35	40.94
1904..	3.23	1.88	5.49	1.40	3.22	1.77	3.02	......	......	......	......	......	.....
1905..	6.13	6.75	6.98	7.58	4.40	6.12	3.95	6.46	1.78	......	......	......	.....
1906..	......	......	....	.....	4.33	1.45	3.20	1.09	8.87	3.01	......	4.33	.....
1907..	2.85	5.91	2.62	5.56	9.06	2.15	2.72	3.21	3.14	1.17	4.63	2.83	45.85
1908..	4.32	7.35	4.12	2.61	6.50	4.84	5.04	2.99	T.	0.27	0.68	7.94	46.66
Mean	5.42	5.52	6.52	4.13	3.96	3.97	4.63	4.05	2.65	1.97	2.97	4.52	50.31

COLUMBUS, LOUNDES COUNTY, MISS. Elevation, 250 feet.

1855..	.....	......	......	......	5.25	3.67	2.95	3.61	5.20	1.53	8.88	4.30	.....
1856..	3.76	4.46	3.85	6.35	5.03	4.56	1.84	2.20	4.91	0.52	11.08	6.52	55.08
1857..	4.18	3.05	0.92	5.21	7.75	2.82	6.23	2.92	1.25	2.55	3.77	13.32	53.97
1858..	9.19	7.89	4.34	6.05	4.85	5.17	5.38	1.96	0.38	1.32	2.37	8.26	57.16
1859..	3.06	7.39	10.02	5.42	1.75	4.28	4.02	3.87	3.81	1.72	4.06	10.72	60.12
1860..	4.72	7.47	2.67	4.24	1.01	2.74	4.34	1.71	0.48	2.41	11.01	5.48	48.28
1861..	7.59	8.88	1.50	5.76	3.06	2.85	3.49	11.08	5.14	3.37	4.94	1.48	59.14
1862..	8.01	8.88	8.49	4.20	1.98	0.31	1.79	3.72	2.24	0.01	1.17	4.49	45.29
1863..	12.96	11.74	9.18	4.47	2.12	7.05	4.89	2.48	1.62	4.65	2.26	4.93	68.35
1864..	2.36	1.68	7.60	3.08	1.81	6.02	4.80	5.89	2.96	3.09	3.18	6.07	48.54
1865..	4.80	9.65	6.17	11.03	2.20	4.27	3.17	1.34	4.28	0.51	1.23	6.00	54.65
1866..	3.47	5.00	5.48	7.39	10.34	6.57	2.28	4.93	4.13	1.10	5.26	5.07	61.02

COLUMBUS, LOUNDES COUNTY, MISS.—Continued.

Yaer	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual
1867..	1.44	4.51	9.23	5.53	2.70	2.06	6.16	3.18	2.13	0.44	10.44	4.22	52.04
1868..	6.09	2.90	4.50	6.50	2.70	1.25	11.55	2.89	2.76	5.70	4.59	3.67	55.10
1869..	6.14	7.26	4.28	11.26	2.56	3.01	2.91	3.93	3.15	2.11	5.65	5.73	57.99
1870..	7.72	3.88	5.54	3.13	6.10	3.38	4.66	5.81	2.04	1.00	3.36	3.21	49.83
1871..	7.03	8.46	10.49	......	......	......	......	......	......	5.64	5.10	1.76	.....
1872..	2.79	3.72	5.04	4.77	5.32	......	......	......	......	......	......	......	.....
1875..	8.14	11.45	7.61	6.52	1.30	8.39	1.58	5.82	8.17	0.95	6.19	8.32	74.44
1876..	4.69	3.41	9.57	6.79	4.96	1.86	2.97	1.36	3.45	1.46	1.62	3.50	45.64
1877..	2.22	3.01	5.64	9.22	2.51	2.35	4.92	0.47	12.83	2.82	7.29	5.19	58.47
1878..	3.32	3.66	6.68	8.30	2.91	9.29	3.13	7.62	3.10	3.05	4.00	6.74	61.80
1879..	6.12	5.57	3.13	4.96	5.81	2.50	3.55	3.33	3.37	6.33	3.50	7.02	55.19
1880..	0.90	4.83	7.57	10.20	3.22	3.77	4.68	5.22	9.02	4.51	8.94	3.96	66.82
1881..	4.03	5.42	6.66	3.73	5.12	3.82	0.98	6.25	4.82	4.31	6.10	4.56	55.80
1882..	11.94	5.97	5.46	9.24	3.13	1.77	4.00	5.54	2.01	3.44	6.04	2.83	61.37
1883..	8.47	4.77	3.09	6.67	3.97	2.60	1.63	5.63	0.16	3.98	8.16	4.12	53.25
1884..	6.30	11.51	9.14	6.22	1.93	6.46	12.00	0.76	0.78	0.86	2.04	5.05	63.05
1885..	5.02	3.27	2.73	3.65	6.32	4.36	4.32	3.20	6.96	2.16	2.29	2.67	46.95
1886..	4.81	3.54	9.48	4.77	3.51	6.42	1.39	3.35	1.37	0.15	6.62	2.58	47.99
1887..	3.12	4.40	2.94	3.57	2.89	5.20	4.07	2.79	2.27	2.34	0.90	9.90	44.39
1888..	5.69	5.15	12.25	2.52	2.55	3.38	6.20	4.44	3.23	2.98*	......	......	.....
1889..	......	......	......	......	0.90	7.64	4.35	0.40	0.00	0.58	4.53	0.60	.....
1890..	3.69	9.53	6.62	6.70	5.35	3.80	5.12	10.47*	8.82	3.22	0.37	4.53*	68.22
1891..	7.09	9.60	12.57	3.42	2.14	5.42	13.42	2.24	1.50	0.07	5.32	4.15	66.94
1892..	5.50	2.12	6.62	7.83	3.45	3.80	14.49	6.38	2.15	0.00	3.40	5.05	60.79
1893..	3.26	5.18	2.99	3.21	6.55	3.64	1.34	4.53	5.03	0.82	2.68	4.09	43.32
1894..	4.75	4.88	5.98	4.05	2.01	0.71	5.98	5.35	2.14	0.77	0.44	3.25	40.31
1895..	8.57	0.60	7.17	4.72	1.43	3.11	1.83	8.91	1.15	2.95	2.10	4.60	47.14
1896..	2.53	9.56	5.14	4.82	2.98	4.26	2.45	1.38	2.02	3.61	6.18	1.06	45.99
1897..	4.31	3.71	8.65	3.59	1.13	0.74	9.39	6.43	0.08	1.85	2.13	12.81	54.82
1898..	7.75	1.91	6.35	3.90	1.59	3.27	5.98	2.46	5.48	2.97	5.35	2.10	49.12
1899..	9.91	8.55	10.71	1.64	4.56	4.03	5.54	6.26	0.16	2.34	5.55	8.40	67.65
1900..	3.53	5.13	8.84	11.08*	3.34*	16.06	5.21	0.64	2.18	5.25	2.99	2.78	67.03
1901..	4.05*	4.61*	5.55*	4.32*	4.42	0.78*	3.11	7.47	2.61	1.22	2.03*	6.41	46.61
1902..	3.45*	5.29*	10.10	3.24	1.19*	0.74*	4.42	4.78	3.75*	2.99*	5.25*	5.51*	50.71
1903..	4.79	11.22	6.02	0.62	7.87	2.18	2.99	4.65	T.	0.87	5.51	2.47	49.19
1904..	4.39	1.50	4.29	1.84	3.08	3.03	3.94	1.62	2.33	0.10	4.79	5.06	35.97
1905..	7.00	8.68	5.02	6.63	3.34	6.45	4.58	5.30	2.06	5.92	1.79	4.72	61.49
1906..	3.21	2.03	7.54	0.80	5.42	1.15	7.27	4.36	6.13	3.16	2.54	4.82	48.43
1907..	0.99	5.52	2.25	3.36	7.62	2.22	3.89	3.42	2.37	1.62	4.87	3.06	41.19
1908..	3.16	6.72	4.04	3.10	7.56	3.42	6.57	8.72	0.49	0.44	0.88	6.68	51.78
Mean	5.24	5.78	6.35	5.30	3.75	3.97	4.76	4.26	3.17	2.31	4.41	5.08	54.38

* From record of cotton region observer.

PALO ALTO, CLAY COUNTY, MISS. Elevation, 300 feet.

1888..	4.82	4.49	10.61	1.53	2.03	4.82	6.60	5.82	6.25	3.20	3.31	3.00	56.48
1889..	5.38	2.58	......	......	......	......	......	......	......	......	4.65	1.27	.....
1890..	4.59	9.18	8.93	6.21	6.37	3.04	4.36	6.83	8.84	2.77	0.03	3.37	64.52
1891..	7.78	9.59	11.[illegible]	3.90	2.[illegible]	5.53	15.58	0.72	0.46	0.10	6.14	4.62	67.42
1892..	7.35	3.71	5.15	......	......	......	9.38	4.05	4.33	0.06	3.04	4.45	.....
1893..	1.61	4.20	2.11	4.26	7.71	2.33	1.20	3.83	8.20	0.42	2 43	4.20	42.50
1894..	7.25	4.66	7.26	3.24	1.75	1.91	4.60	6.51	2.68	0.55	1.32	2.62	44.35
1895..	10.92	4.07	9.84	4.24	1.32	4.36	......	......	......	......	1.37	6.27	.....
1896..	2.61	12.49	5.71	3.18	4.92	3.78	1.73	0.02	1.52	2.69	3.76	0.89	43.30
1897..	6.17	3.31	11.46	1.62	1.48	1.16	3.91	2.13	T.	2.81	0.76	11.05	45.86
1898..	5.33	2.59	3.34	3.45	5.19	5.47	3.78	6.02	4.80	5.66	3.04	2.07	50.74
1899..	7.88	6.18	6.62	1.76	2.46	0.75	5.20	5.43	0.04	1.69	1.64	6.82	46.37
1900..	2.53	5.93	7.25	9.70	5.53	15.28	4.59	3.82	1.78	10.38	1.18	3.56	71.53
1901..	7.07	4.29	3.76	3.37	5.34	2.53	0.85	6.96	2.71	0.91	2.53	5.63	45.95
1902..	4.06	3.18	9.25	2.55	0.49	0.95	3.45	3.07	2.94	1.24	4.61	7.30	43.09
Mean	5.69	5.36	7.31	3.77	3.58	3.99	5.02	4.25	3.43	2.50	2.65	4.47	52.02

KOSCIUSKO, ATTALA COUNTY, MISS. Elevation, 430 feet.

1890..	1.78	9.50	5.80	0.62	3.98	4.82	3.05	5.00	7.80	2.30	0.60	5.40	50.65
1891..	11.00	12.10	15.50	5.20	T.	6.90	7.20	1.70	0.00	0.00	8.20	5.90	73.70
1892..	6.50	2.00	5.90	12.60	1.10	2.80	7.50	5.40	0.20	0.00	0.40	6.10	50.50
1893..	0.80	3.70	4.10	2.20	5.98	3.16	4.75	1.82	4.92	0.00	2.60	3.40	37.43
1894..	4.37	5.60	5.55	1.79	1.40	5.38	7.87	3.12	6.17	1.06	0.71	3.40	46.42
1895..	7.59	2.75	7.36	0.00	2.03	8.62	2.08	......	0.00	2.62	2.07	4.66	.....
1896..	3.79	9.38	4.50	3.89	......	......	3.68	7.11	1.40	3.19	4.45	T.	.....
1897..	7.83	......	5.18	......	......	......	......	......	......	......	......	......	.....
1898..	......	1.63	5.17	2.48	2.10	......	......	......	2.71	3.58	4.30	3.57	.....
1899..	8.65	4.74	8.55	T.	2.66	......	6.70	2.70	......	......	2.15	7.70	.....
1900..	2.50	5.30	6.50	10.50	3.40	10.10	6.70	2.20	3.70	6.40	3.00	2.30	62.60
1901..	6.60	6.40	2.90	3.60	4.00	1.40	2.90	7.32	......	......	......	......	.....
1902..	......	......	......	......	1.05	1.66	1.44	3.87	6.53	1.23	5.18	5.38	.....
1903..	4.73	16.29	4.52	0.99	3.34	1.90	3.66	3.97	0.22	1.81	1.12	1.85	44.40
1904..	3.80	......	......	2.11	2.56	2.80	7.78	2.71	0.70	0.00	4.47	4.58	.....
1905..	4.18	7.97	4.50	9.25	5.27	2.83	3.49	4.37	1.23	5.97	2.28	5.16	56.50
1906..	4.23	2.84	10.87	1.72	5.77	2.90	6.42	1.25	8.40	4.49	2.82	3.79	55.50
1907..	2.75	3.28	2.34	[illegible]	6.82	2.79	2.08	4.13	2.44	2.53	5.04	3.35	41.57
1908..	3.57	10.63	6.31	5.20	7.93	2.24	4.40	5.63	2.97	0.13	1.16	6.85	57.02
Mean	4.98	6.51	6.21	3.89	3.49	4.02	4.81	3.89	3.09	2.21	2.97	4.32	50.39

LOUISVILLE, WINSTON COUNTY, MISS. Elevation, 561 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888..	......	......	......	......	......	......	......	......	....	......	......	2.54	.....
1889..	4.75	1.99	4.61	3.52	0.54	6.10	9.27	2.27	0.95	0.17	3.76	1.01	38.94
1890..	3.75	9.62	8.43	6.26	6.04	3.73	5.41	8.20	4.59	2.69	T.	3.39	62.11
1891..	7.28	8.10	9.32	4.10	2.49	4.66	6.59	1.91	0.53	0.22	7.98	5.10	58.28
1892..	6.31	2.07	6.55	7.84	1.68	8.05	10.69	3.88	1.43	0.00	3.72	4.61	56.83
1893..	2.60	4.50	3.72	1.44	5.82	1.35	3.70	2.06	5.97	0.95	3.70	5.13	40.94
1894..	5.15	5.26	7.16	3.49	2.00	5.62	5.01	7.17	1.82	0.50	0.68	4.33	48.19
1895..	7.12	2.49	8.08	2.31	2.26	5.63	2.79	4.61	1.25	2.75	2.56	4.76	46.61
1896..	2.81	12.94	3.79	4.53	2.29	3.50	3.57	3.79	3.46	3.12	4.57	0.37	48.74
1897..	6.37	2.39	6.20	2.24	0.99	1.25	2.86	4.19	0.13	2.87	1.36	12.91	43.76
1898..	8.61	1.08	4.56	2.94	1.88	3.35	8.66	6.00	6.09	1.88	4.77	1.88	51.70
1899..	9.02	5.14	6.78	1.36	1.93	3.60	3.46	5.31	2.00	0.99	4.40	8.69	52.68
1900..	3.48	6.17	6.04	13.40	6.56	14.05	3.88	1.19	1.05	5.60	1.12	2.71	65.25
1901..	6.64	4.81	2.17	4.63	4.27	1.69	2.69	14.13	3.79	1.95	2.47	7.77	57.01
1902..	3.42	4.44	11.19	4.67	2.11	1.08	3.87	2.00	5.62	1.42	4.61	4.75	49.18
1903..	4.92	15.89	3.86	0.90	5.92	2.16	2.66	3.47	0.00	2.27	0.00	2.09	44.14
1904..	3.55	1.53	5.22	2.48	1.10	4.55	4.47	5.37	0.22	T.	3.33	4.60	36.42
1905..	4.34	7.28	4.89	7.21	4.96	4.67	2.46	5.95	1.69	4.02	1.93	4.30	53.70
1906..	2.91	2.34	6.46	0.92	5.66	3.34	7.09	1.37	9.71	3.91	1.99	5.81	51.51
1907..	2.45	3.65	2.68	4.58	5.80	3.15	3.40	6.37	1.69	2.31	4.12	3.16	43.36
1908..	5.20	8.56	5.94	5.99	6.29	6.36	4.92	6.19	2.07	0.29	0.87	8.81	61.49
Mean	5.03	5.51	5.88	4.24	3.53	4.39	4.87	4.77	2.70	1.90	2.90	4.70	50.42

Mean temperature (degrees Fahrenheit).

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Holly Springs............	19	41.0	40.9	51.8	61.5	70.0	77.6	80.2	79.3	73.7	61.8	50.0	43.1	60.9
Booneville............	14	41.8	42.9	52.7	59.9	69.5	77.3	79.9	79.3	74.0	62.0	51.6	44.4	61.3
Pontotoc............	19	43.3	44.1	54.0	61.8	69.4	76.6	78.9	78.7	73.7	62.3	52.3	45.2	61.7
Austin............	12	43.6	42.9	55.2	61.7	71.1	77.3	80.3	79.5	73.7	62.9	52.1	43.6	62.0
Water Valley............	18	43.5	44.8	54.9	63.2	70.7	77.6	80.3	80.1	74.6	63.0	52.6	45.7	62.6
Greenville............	19	45.3	46.8	56.2	64.3	72.0	79.5	81.9	81.4	75.7	64.3	54.1	46.5	64.0
Greenwood............	9	45.8	45.0	59.4	65.3	72.2	78.1	80.4	80.8	75.1	63.5	53.9	44.8	63.7
Columbus............	18	44.3	44.7	54.8	61.8	72.2	80.2	82.3	81.5	75.9	63.5	53.3	45.4	63.3
Louisville............	19	45.2	47.2	55.9	62.5	70.4	77.3	79.5	79.5	74.9	64.0	54.1	47.4	63.2

Highest temperature (degrees Fahrenheit).

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Holly Springs............	16	74	75	86	90	94	101	103	103	99	92	78	72	103
Booneville............	15	78	79	86	89	93	101	104	104	99	89	80	78	104
Pontotoc............	18	84	81	89	92	95	101	105	103	101	94	88	81	105
Austin............	13	77	80	90	95	93	99	101	102	98	91	81	75	102
Water Valley............	16	80	79	89	96	100	103	108	107	102	98	85	77	108
Greenville............	16	79	81	91	91	99	105	105	104	100	94	84	82	105
Greenwood............	10	83	84	92	91	97	100	103	103	99	95	85	81	103
Columbus............	10	81	78	91	90	99	99	102	102	100	98	90	80	102
Louisville............	20	81	84	88	92	96	102	104	103	100	99	86	81	104

Lowest temperature (degrees Fahrenheit).

Stations.	Length of record, years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Holly Springs............	16	5	—7	13	30	37	46	60	56	38	32	18	0	—7
Booneville............	15	6	—9	9	28	38	43	57	50	36	29	16	1	—9
Pontotoc............	18	4	—11	15	26	37	46	57	48	36	28	14	2	—11
Austin............	13	6	—9	17	30	37	46	57	56	37	26	13	9	—9
Water Valley............	16	—2	—9	17	28	37	46	56	56	38	28	16	4	—9
Greenville............	16	9	—5	20	31	39	47	59	57	44	33	19	9	—5
Greenwood............	10	12	—6	27	31	37	50	56	56	40	27	16	15	—6
Columbus............	15	7	....	24	30	38	45	59	58	40	30	18	8	....
Louisville............	20	6	—13	15	25	37	39	55	43	38	26	14	3	—13

Average number of days with .01 inch or more of precipitation.

Holly Springs	16	8	8	10	10	9	9	10	8	7	6	6	9	100
Booneville	12	10	9	10	9	9	9	9	8	6	5	6	9	99
Pontotoc	18	8	8	10	7	7	8	8	6	4	3	6	9	84
Austin	13	8	7	8	8	7	7	7	6	5	4	6	7	80
Water Valley	16	7	8	9	8	8	8	9	7	5	3	5	7	84
Greenville	16	10	9	11	9	9	9	10	9	6	5	8	9	104
Greenwood	10	8	8	9	6	8	9	10	8	6	4	6	9	91
Columbus	15	9	7	9	7	7	8	10	9	5	4	6	9	90
Louisville	18	7	8	6	6	6	7	9	8	5	3	5	6	76

Prevailing wind direction.

Booneville	12	n	n	s	n	s	sw	s	sw	s	n	n	n	n
Pontotoc	11	se	se	se	se	se	s	s	se	se	se	se	se	se
Austin	13	ne	n	s	sw	s	sw	sw	w	n	n	n	s	n
Water Valley	16	s	n	s	s	s	sw	s	s	s	s	s	n	s
Greenville	13	sw	nw	sw	sw	sw	sw	sw	sw	sw	sw	nw	nw	sw
Greenwood	7	n	n	s	s	s	s	s	s	se	n	n	n	s

Frost data.

Stations.	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
	Yrs.				
Holly Springs	14	November 2	March 28	October 9	April 17
Booneville	15	November 1	March 29	October 10	April 17
Pontotoc	18	October 28	March 28	October 9	April 17
Austin	15	October 29	March 30	October 9	April 20
Water Valley	17	October 31	March 27	October 11	April 22
Greenville	18	October 31	March 18	October 10	April 23
Greenwood	14	October 27	March 19	October 10	April 6
Columbus	14	October 31	March 27	October 11	April 17
Louisville	16	October 30	March 26	October 11	April 17

HYDROGRAPHIC DATA FOR SECTION No. 79.

SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

Compiled from the records of the United States Geological Survey

by R. H. Bolster, Assistant Engineer.

Preliminary Note: Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section comprises the headwaters of Tombigbee River on the east and minor eastern tributaries of the lower Mississippi River on the west.

Tombigbee River rises in the northeast part of Mississippi and runs southward to Columbus, a few miles below which it enters Alabama in Pickens County. It next flows nearly southeastward to Demopolis, but its general direction is nearly southward. It unites with Alabama River at the south extremity of Clarke County to form Mobile River. The length of the Tombigbee is estimated at 500 miles; steamboats can ascend to Columbus, a distance of about 400 miles from the Gulf of Mexico. The country traversed by it is fertile and nearly level in character.

Yazoo River is formed by the union of Tallehatchee and Yalobusha rivers, which unite in Leflore County, Mississippi. It flows southward and southwestward, with a very sinuous course, and enters the Mississippi at Vicksburg. It is about 280 miles in length and is navigable by steamboats, which can ascend from its mouth to its origin in all stages of water. It is a sluggish stream, flowing through a rich and nearly level country.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given, first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month during the entire period covered by the table. The two remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly distributed on the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly Discharge of Tombigbee River, near Columbus, Miss., for 1901 to 1904 and August, 1905 to 1908. Drainage Area 4,440 Square Miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	19.500	1,070	6,880	1.55	1.79
February	39.000	1,560	12,700	2.86	2.98
March	50,400	1,560	13,100	2.95	3.40
April	49,900	1,520	7,650	1.72	1.92
May	27,500	950	7,210	1.62	1.87
June	16,800	425	3,000	0.676	0.75
July	6,540	340	1,190	0.268	0.31
August	8,700	370	1,480	0.333	0.38
September	13,300	220	716	0.161	0.18
October	19,300	260	1,600	0.361	0.42
November	6,580	345	1,360	0.306	0.34
December	23,600	570	4,380	0.986	1.14
The period	50,400	220	5,100	1.15	15.48

Monthly Discharge of Yazoo River, near Yazoo City, Miss., for 1902 to 1904.* Drainage Area 8,580 Square Miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	18,400	2,020	10,900	1.27	1.46
February	23,100	2,460	14,700	1.71	1.78
March	27,600	10,800	18,800	2.19	2.52
April	27,700	11,800	21,400	2.50	2.79
May	24,300	3,170	13,700	1.60	1.84
June	16,100	2,220	6,580	0.767	0.86
July	15,900	1,960	4,000	0.466	0.54
August	8,100	1,710	3,370	0.393	0.45
September	8,100	1,280	2,770	0.323	0.36
October	6,400	1,280	2,150	0.251	0.29
November	4,090	1,190	1,770	0.206	0.23
December	15,200	1,400	4,850	0.565	0.65
The period	27,700	1,190	8,750	1.02	13.77

* 1904, partial year, January-February and August-December.

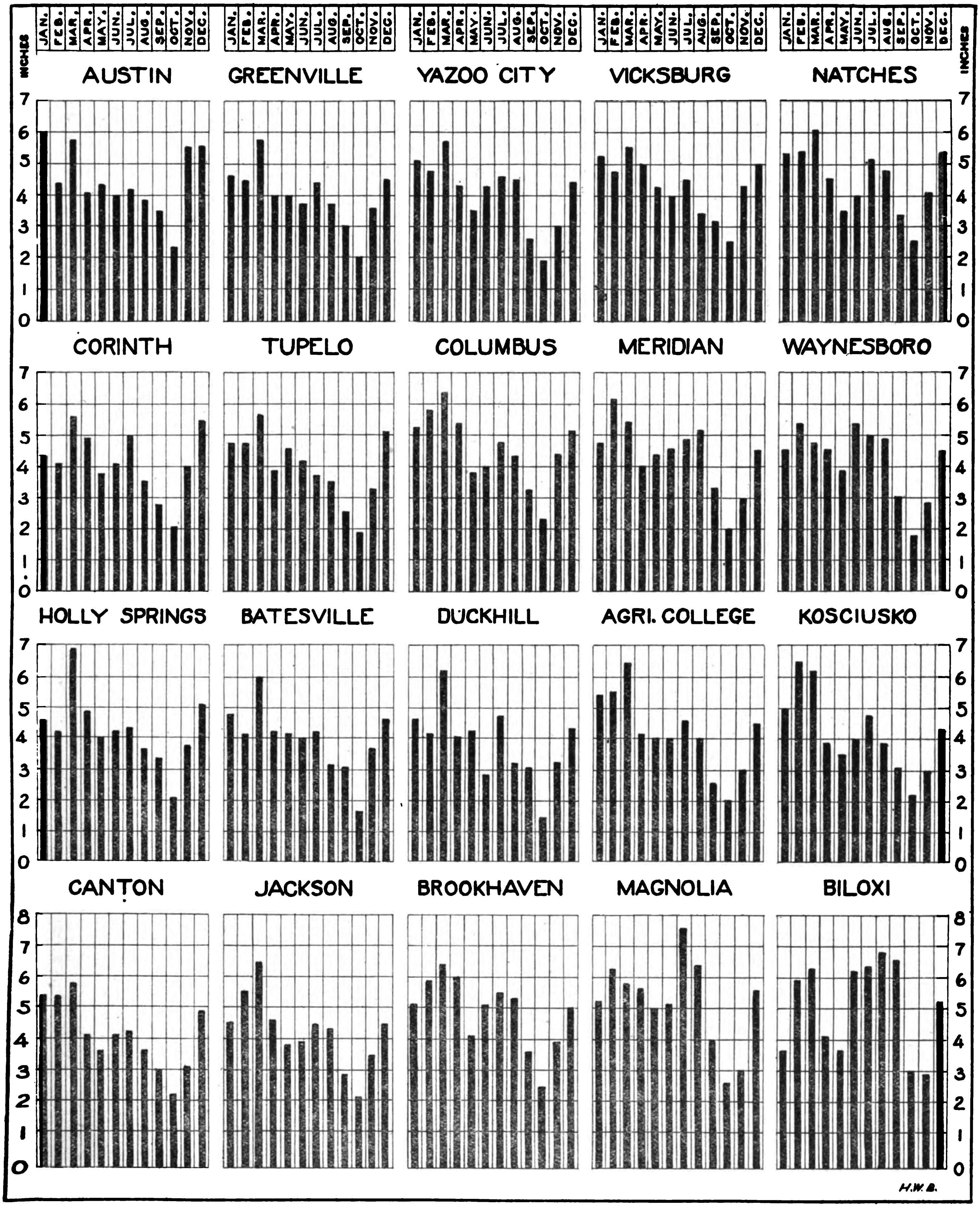


FIG. 1.—Diagrams showing the comparative monthly distribution of precipitation.

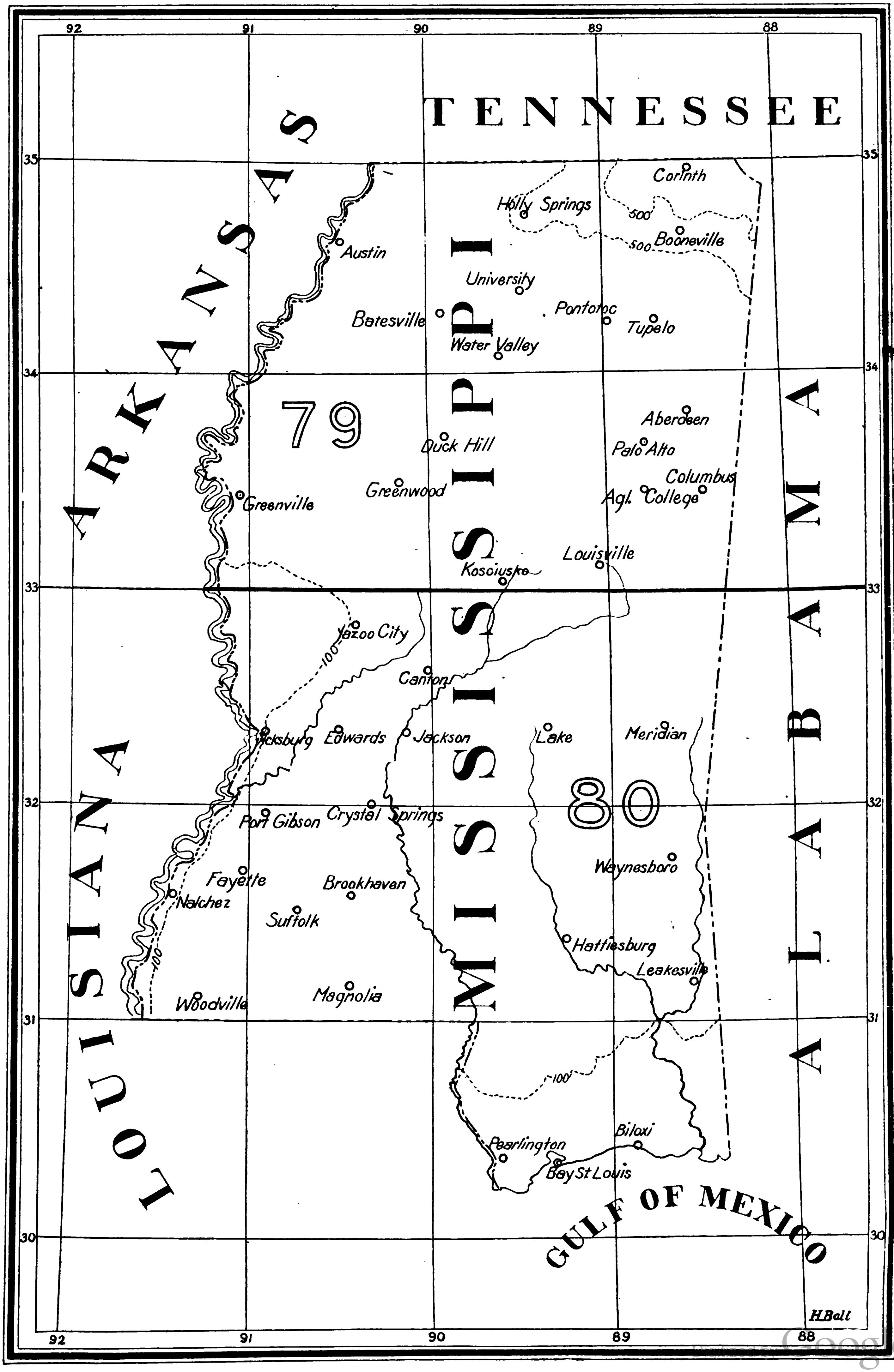


FIG. 2.—Chart showing principal points of observation, the drainage basin, and the general elevation.

Lake, Scott County—Elevation, 446 feet—continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1896.	....	9.12	3.30	3.99	4.25	5.92	1.71	3.87	3.67	4.95	....	0.18	....
1897.	5.24	4.00	5.78	2.87	1.32	3.80	7.12	5.25	0.00	1.65	0.98	6.60	44.61
1898.	7.79	2.40	5.38	3.36	1.84	6.09	11.17	7.87	5.70	2.60	6.30	3.05	63.55
1899.	8.71	2.94	3.75	0.69	3.65	3.68	8.95	4.05	0.80	0.95	1.06	4.04	43.27
1900.	2.86	8.64	4.57	10.15	0.90	10.62	4.95	1.98	1.30	3.50	....	....	....
1901.	....	....	....	4.18	3.35	5.90	1.02	3.34	4.00	1.78	3.07	7.83	....
1902.	3.77	3.30	11.13	3.00	2.63	0.37	2.88	6.35	4.36	2.13	3.77	6.22	49.91
1903.	5.78	13.40	6.24	0.88	3.50	4.59	2.02	7.26	0.05	0.71	1.33	2.83	48.59
1904.	3.77	3.19	4.29	3.53	3.17	4.87	6.21	6.66	2.97	0.15	2.89	4.10	45.80
1905.	5.65	9.10	3.39	8.52	3.60	5.32	3.12	5.62	1.32	3.95	2.27	3.92	55.78
1906.	5.04	1.64	9.64	1.68	7.37	1.84	5.27	3.67	12.00	4.59	1.70	4.75	59.19
1907.	1.74	6.09	3.06	5.03	11.22	2.69	5.29	4.83	2.66	1.26	5.94	3.02	52.83
1908.	3.83	8.81	3.58	6.75	9.06	3.77	6.36	6.28	2.29	0.56	0.37	3.51	55.17
M'ns	4.78	6.33	5.19	4.11	4.13	4.71	5.13	4.80	2.72	2.18	2.74	4.38	51.20

Meridian, Lauderdale County—Elevation, 375 feet

1887.	....	....	....	....	2.91	2.60	5.50	4.50	2.22	3.72	....	....	....
1888	....	....	....	2.16	4.00	6.10	2.30	6.30	....	3.80	....	....	....
1889.	....	....	....	....	0.54	2.35	4.91	2.77	3.92	0.65	4.12	2.09	....
1890.	2.73	7.78	4.32	4.43	7.42	3.13	3.37	4.94	7.54	3.48	0.40	2.21	51.75
1891.	9.18	8.15	10.59	1.95	1.36	6.65	10.13	0.86	0.36	0.07	6.80	7.47	63.57
1892.	8.20	2.77	6.50	2.03	8.42	5.20	11.41	3.37	0.57	0.46	3.11	6.57	58.61
1893.	1.74	8.43	5.03	1.14	10.24	5.59	2.75	2.77	5.28	1.68	4.46	7.21	56.32
1894.	4.70	6.53	5.34	6.29	2.45	3.09	6.90	6.13	5.03	0.34	1.34	3.65	51.79
1895.	7.42	1.63	6.01	1.44	5.46	5.81	6.82	4.88	0.85	3.02	1.97	5.28	50.59
1896.	3.98	5.03	4.75	5.23	2.84	7.55	1.12	6.39	1.68	2.62	3.66	0.87	45.72
1897.	5.57	6.15	6.08	3.04	1.34	2.83	3.47	10.36	0.54	1.16	1.70	5.79	48.03
1898.	4.29	3.71	3.59	3.25	0.32	3.48	2.83	8.59	5.07	3.18	6.20	2.50	47.01
1899.	7.32	3.97	4.10	1.27	3.72	2.59	5.76	6.45	0.34	0.52	2.29	6.51	44.84
1900.	2.41	7.61	4.50	14.95	1.61	20.06	3.06	2.26	2.48	5.24	4.42	3.32	71.92
1901.	3.86	4.35	4.39	4.97	4.35	2.69	2.94	6.55	1.90	1.08	1.97	8.58	47.63
1902.	2.93	4.38	9.90	2.42	2.55	0.22	3.10	3.47	7.14	4.28	4.27	5.40	50.06
1903.	4.99	13.30	4.45	1.35	1.42	3.24	6.68	4.61	0.09	1.02	0.71	2.73	44.59
1904.	4.31	2.98	3.27	3.11	2.82	1.88	4.42	4.97	6.53	0.22	2.84	3.50	40.85
1905.	6.06	11.83	2.96	7.43	6.73	3.97	3.93	5.25	1.93	3.30	1.39	4.64	59.42
1906.	3.49	2.29	9.42	2.03	8.24	4.17	4.99	8.95	11.69	3.14	1.74	4.77	64.92
1907.	2.23	8.39	2.48	8.77	8.44	1.84	4.49	5.32	1.92	0.82	4.79	4.72	54.21
1908.	5.46	8.29	3.94	3.46	6.73	6.58	6.07	3.53	1.76	0.73	0.86	2.48	49.89
M'ns	4.78	6.19	5.35	4.04	4.27	4.62	4.86	5.15	3.28	2.02	2.95	4.51	52.02

Port Gibson, Claiborne County—Elevation, 116 feet

1855.	....	....	....	....	....	....	....	3.95	....	....	....	....	....
1856.	2.62	7.05	....	....	....	....	....	....	4.35	1.88	5.78	....	....
1857.	6.96	1.34	3.31	5.31	....	....	....	....	....	....	....	....	....
1885.	....	....	....	....	....	....	1.83	2.53	6.01	1.03	....	....	....
1886.	....	....	....	....	1.44	9.56	3.71	0.71	2.87	0.15	....	....	....
1887.	....	....	....	....	....	....	....	....	....	....	....	....	....
1888.	....	....	....	0.54	1.67	1.61	0.73	8.45	1.14	2.02	....	....	....
1889.	....	....	....	....	1.15	4.29	4.63	1.25	0.16	0.11	2.12	0.90	....
1890.	4.15	3.80	5.60	6.57	4.58	3.02	3.78	5.30	4.12	2.62	1.15	....	....
1891.	....	....	....	....	1.10	2.40	7.36	0.56	0.39	1.86	7.95	4.21	....
1892.	5.20	3.68	9.77	7.47	....	3.99	9.09	4.95	1.92	0.42	4.15	6.55	....
1893.	....	3.16	2.84	2.30	9.19	8.68	4.00	3.74	3.73	2.13	4.94	5.52	....
1894.	6.05	6.56	5.56	7.21	3.57	3.27	5.86	4.41	5.32	1.58	1.67	4.46	55.52
1895	4.49	2.39	5.01	2.48	3.28	5.19	4.03	7.14	1.15	1.47	3.43	5.51	45.57
1896.	8.41	12.64	4.06	3.21	1.54	4.57	1.16	1.25	0.60	5.93	5.13	1.32	49.82
1897.	6.82	3.73	4.26	3.28	1.82	2.59	4.95	5.00	0.36	0.40	3.37	11.70	48.28
1898.	8.96	2.38	6.39	2.86	1.12	8.46	5.12	2.87	8.22	3.62	5.77	2.49	58.26
1899.	12.12	2.80	4.43	2.10	0.04	5.26	2.35	4.00	2.24	0.85	1.62	11.42	49.23
1900.	2.82	5.51	3.03	12.86	4.64	12.01	5.90	1.26	1.09	6.24	3.83	3.21	62.40
1901.	7.44	4.97	3.22	2.48	3.05	5.77	5.24	3.49	2.37	1.05	2.13	10.35	51.56
1902.	2.84	2.92	9.86	2.82	3.04	0.26	4.88	0.90	8.29	0.67	3.69	4.26	44.43
19 3.	5.08	13.88	6.91	1.12	2.77	2.96	3.98	5.59	1.34	0.76	0.66	3.22	48.22
1904.	2.16	2.47	5.67	4.13	3.21	5.65	7.56	3.86	3.01	T.	2.59	4.15	44.46
1905.	5.16	8.96	5.06	9.96	3.79	4.78	4.67	3.71	5.75	4.30	4.87	5.44	66.45
1906.	3.91	0.86	9.63	2.38	2.22	1.49	7.30	3.81	7.10	6.39	1.57	4.45	51.11
1907.	1.22	6.35	1.81	4.22	11.48	1.05	3.10	2.08	1.38	2.84	6.36	2.96	44.85
1908.	3.60	8.15	4.10	5.07	5.38	4.04	3.22	9.95	2.19	0.10	2.08	4.12	52.00
M'ns	5.26	4.89	5.29	4.42	3.34	4.59	4.54	3.78	3.13	2.02	3.56	5.07	49.89

The record for the year 1887 is considered doubtful, and is therefore not used in the preparation of normals.

Crystal Springs, Copiah County—Elevation, 468 feet

1892.	....	....	....	....	....	5.84	12.99	6.93	1.91	0.34	2.82	6.11	....
1893.	2.56	5.05	4.23	3.21	9.35	6.24	9.52	4.15	2.99	1.20	4.49	6.82	59.81
1894.	7.05	7.26	3.77	6.32	3.73	1.44	7.08	6.31	4.87	1.09	1.35	5.39	55.66
1895.	5.30	2.31	7.73	2.31	4.33	4.42	3.03	3.96	1.65	1.86	2.29	7.15	46.34
1896.	5.39	11.79	3.93	4.53	3.92	7.36	3.16	2.70	1.10	5.50	3.72	0.94	54.04
1897.	7.57	2.32	5.21	1.81	1.32	2.84	6.42	4.32	0.34	2.05	1.85	7.84	43.89
1898.	8.76	4.53	5.86	2.03	2.53	6.02	6.26	4.31	6.16	4.06	6.21	2.95	59.68
1899.	8.89	3.04	4.06	1.93	0.37	3.66	5.44	2.50	1.22	0.55	2.80	7.96	42.42
1900.	3.07	6.15	3.27	12.86	6.28	7.41	4.91	2.31	1.80	5.22	2.37	4.34	59.99
1901.	3.52	5.22	3.88	5.16	4.32	5.19	3.39	7.54	2.16	3.01	1.87	10.10	55.36
1902.	2.88	3.03	6.89	2.22	3.53	0.40	4.59	5.75	6.79	0.82	4.47	7.17	48.54
1903.	5.08	12.39	6.81	0.56	4.32	4.44	5.64	6.54	0.30	0.73	0.26	3.68	50.75
1904.	2.66	3.16	5.31	4.66	3.95	3.83	6.68	4.58	1.66	0.00	2.97	5.40	44.86
1905.	5.83	8.54	5.34	9.87	3.87	1.94	4.64	7.74	3.49	7.26	2.76	4.00	65.28

Crystal Springs, Copiah County—Elevation, 468 feet—continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1906.	2.79	1.42	12.13	1.64	5.01	2.14	5.39	1.81	9.57	6.20	1.41	4.68	54.19
1907.	0.92	4.82	2.82	4.69	17.09	0.78	8.47	2.38	4.20	3.37	8.24	3.58	61.36
1908.	3.82	7.98	3.61	4.44	6.46	5.06	3.20	6.90	1.26	0.75	0.94	5.82	50.24
M'ns	4.76	5.56	5.30	4.26	5.02	4.06	5.93	4.75	3.03	2.59	2.99	5.53	53.78

Fayette, Jefferson County—Elevation, 282 feet

1867.	0.10	0.50	....	....	....	....	....	....	....	....	....	....	....
1873.	5.51	4.67	6.68	3.00	10.00	6.00	4.50	8.00	2.60	2.30	4.00	3.00	60.26
1874.	4.80	2.20	11.20	14.20	0.70	4.00	7.60	1.50	7.20	0.20	3.30	5.00	61.90
1875.	5.10	12.40	6.10	4.30	3.09	4.35	1.01	7.90	7.30	4.10	5.90	4.20	65.75
1876.	4.00	6.10	12.50	5.10	5.80	2.40	5.40	5.20	0.50	1.30	2.60	5.20	56.10
1877.	5.20	3.10	7.20	10.30	2.50	8.90	4.80	6.60	11.20	5.70	6.80	5.90	78.20
1878.	3.40	2.70	5.60	7.90	4.20	7.60	5.00	2.50	3.30	3.30	2.50	6.50	54.50
1879.	5.90	4.30	2.60	3.90	3.60	1.90	4.50	8.00	9.00	T.	5.30	5.40	54.40
1880.	1.10	5.00	8.60	13.40	3.30	3.00	5.10	7.50	11.20	2.60	10.60	4.90	76.30
1881.	5.90	8.50	5.20	4.20	3.80	1.30	2.20	1.90	4.80	8.80	6.10	2.70	55.40
1882.	12.70	5.50	5.60	6.50	7.20	1.60	4.20	9.35	4.30	2.60	3.60	4.90	68.05
1883.	12.40	1.10	2.17	....	....	....	....	....	....	....	....	....	....
1889.	....	....	....	....	....	7.39	4.68	1.34	0.32	0.17	3.45	1.04	....
1890.	4.03	7.59	7.63	9.04	5.30	4.13	4.28	5.49	2.86	2.70	2.52	3.74	59.31
1891.	12.55	5.98	3.03	5.55	0.75	2.91	8.19	1.04	0.25	1.88	9.76	4.64	56.53
1892.	6.11	3.84	9.77	7.93	2.52	3.58	8.44	5.34	1.19	0.38	2.59	5.25	56.94
1893.	2.54	4.79	2.47	3.57	8.47	6.10	4.49	6.79	4.34	2.52	4.75	6.52	57.35
1894.	....	....	....	5.81	0.99	3.96	7.47	5.99	2.05	0.82	1.38	4.55	....
1895.	3.36	3.82	2.70	2.51	2.75	5.07	5.22	4.18	1.47	2.38	3.94	6.98	44.38
1896.	7.92	12.26	3.50	5.69	0.53	3.82	1.86	2.95	1.56	6.57	3.20	1.55	51.41
1897.	8.73	1.43	6.86	1.48	3.97	4.51	5.94	2.00	....	....	....	9.18	....
1898.	9.17	2.75	5.12	2.75	1.50	10.75	2.50	7.12	9.26	3.16	7.64	3.88	65.60
1899.	10.55	3.54	4.50	3.20	T.	7.70	2.80	5.60	1.75	1.50	2.10	9.95	53.19
1900.	3.00	8.20	4.05	16.98	4.35	12.25	9.40	0.80	0.85	3.40	4.65	3.30	71.23
1901.	4.60	6.50	....	2.55	1.78	1.00	4.70	7.00	3.25	1.75	3.30	11.70	....
1902.	2.20	4.25	7.57	....	3.85	1.00	1.35	3.10	11.26	0.65	5.65	4.12	....
1903.	6.35	15.25	9.55	1.25	4.25	3.90	8.15	7.25	1.82	0.90	0.42	3.17	62.26
1904.	3.42	2.17	4.75	2.38	3.15	5.39	13.22	3.55	0.40	T.	1.95	2.22	42.60
1905.	6.35	8.27	5.25	11.30	4.05	7.73	5.72	1.61	8.00	2.59	6.23	5.75	72.85
1906.	2.60	1.65	11.31	2.48	4.00	2.36	7.82	4.11	7.64	4.71	2.10	5.25	56.03
1907.	0.15	*5.42	*2.22	6.26	15.47	2.25	3.85	4.70	2.56	3.70	6.45	4.64	57.67
1908.	8.94	9.26	4.20	6.70	5.52	8.50	3.35	14.14	1.51	0.20	3.90	3.89	70.11
M'ns	5.62	5.43	6.00	6.08	4.08	4.84	5.26	5.08	4.27	2.44	4.37	4.97	58.44

* From record of Fayette (near).

Natchez, Adams County—Elevation, 206 feet

1799.	....	9.12	3.84	2.97	0.81	2.84	2.13	3.86	4.85	1.71	0.55	5.78	....
1800.	1.32	3.11	1.53	6.92	3.94	1.26	4.83	0.35	4.40	0.40	0.03	3.00	31.09
1801.	2.82	4.81	3.20	4.85	0.95	0.50	4.83	3.12	5.68	3.22	5.85	5.67	45.50
1802.	5.23	4.79	6.23	4.98	3.67	2.14	9.98	6.32	1.67	2.33	4.51	6.07	57.92
1803.	2.00	2.15	1.29	3.70	3.77	2.85	2.41	2.15	4.01	3.37	5.41	4.45	37.56
1840.	3.52	3.04	3.50	8.73	2.25	4.19	7.70	0.75	3.96	4.68	1.88	4.28	48.48
1841.	13.80	1.34	4.73	2.16	11.66	2.12	1.44	3.05	4.32	8.62	2.53	4.01	59.78
1842.	3.52	7.31	3.93	5.07	0.45	6.40	1.74	1.94	4.64	1.73	5.42	1.37	43.52
1843.	7.20	3.70	6.06	5.16	2.16	10.68	6.75	2.78	4.93	4.04	11.24	14.03	78.73
1844.	8.37	0.05	4.18	0.72	4.36	2.54	2.34	4.79	3.94	5.34	4.38	4.90	45.91
1845.	3.10	4.65	6.43	4.10	8.19	3.47	3.98	2.68	9.35	1.24	0.87	4.94	53.00
1846.	6.01	3.65	4.81	9.04	6.91	5.56	2.85	8.40	5.23	1.40	5.13	2.80	61.79
1847.	4.90	10.58	4.17	2.11	8.42	4.05	16.42	1.88	5.19	1.75	4.85	11.00	75.32
1856.	....	....	....	....	....	....	....	....	....	....	....	4.71	....
1858.	....	....	....	....	....	....	....	....	....	....	2.37	6.19	....
1859.	5.90	5.00	4.76	2.26	0.66	4.47	4.31	4.63	3.94	2.11	1.59	8.26	47.89
1861.	1.76	6.81	3.44	3.96	5.11	1.81	6.24	9.15	1.87	7.43	1.54	2.43	51.55
1862.	3.95	7.87	5.42	7.14	2.05	0.25	2.54	2.22	2.85	0.60	1.20	....	....
1864.	....	....	....	....	....	....	....	....	....	4.40	9.77	7.47	....
1865.	8.05	12.70	8.40	8.61	0.35	3.14	2.33	1.91	5.17	1.77	2.70	6.30	61.43
1866.	3.90	10.70	4.10	9.50	9.85	5.65	3.80	5.58	3.20	2.00	6.94	6.23	71.45
1867.	1.97	1.95	5.05	7.65	11.27	4.76	8.16	4.00	2.55	0.70	5.53	2.52	56.11
1868.	8.16	3.38	8.42	7.97	3.98	1.57	9.59	3.62	3.50	2.85	5.67	4.11	62.82
1869.	5.97	7.47	6.89	9.10	1.37	5.02	2.38	4.78	2.48	4.62	6.04	8.58	64.66
1870.	7.72	1.67	5.39	4.05	0.82	....	....	....	....	....	....	....	....
1884.	....	....	....	2.55	7.63	4.13	0.62	3.37	2.87	2.98	....	....	....
1885.	....	....	....	....	3.52	1.89	5.36	8.85	2.72	1.04	....	....	....
1886.	....	....	....	12.01	0.97	8.19	4.57	3.13	5.80	0.31	....	....	....
1887.	....	....	....	....	6.16	6.79	8.03	5.93	5.50	12.73	....	....	....
1888.	....	....	....	1.61	5.58	4.44	4.57	14.03	3.85	3.09	....	....	....
1889.	....	....	....	....	0.78	6.76	7.94	4.11	0.43	0.18	4.02	....	....
1890.	....	7.27	10.05	9.07	3.59	5.76	3.16	6.02	3.47	2.23	0.70	....	....
1891.	*12.55	....	....	....	0.90	4.10	6.71	1.43	0.65	2.08	10.30	....	....
1892.	3.60	0.18	10.40	4.71	3.21	4.21	7.12	5.62	2.83	0.60	2.11	3.37	47.96
1893.	....	3.88	....	....	8.97	5.35	3.53	3.66	2.60	2.46	....	....	....
1894.	5.27	6.10	6.25	3.51	3.48	0.40	3.12	6.36	3.47	0.80	1.80	4.28	44.84
1895.	4.35	1.45	7.85	1.90	1.88	4.75	5.50	6.46	0.42	2.71	4.95	5.20	47.42
1896.	5.10	9.70	4.00	4.50	1.50	3.00	3.40	3.35	0.20	4.70	2.75	2.25	44.45
1897.	7.06	1.95	7.65	4.50	1.25	2.35	3.85	6.85	0.85	1.65	3.75	7.90	49.61
1898.	8.50	4.50	5.25	3.15	0.25	8.30	5.30	5.75	4.35	2.70	7.25	*3.50	58.80
1899.	11.05	2.35	4.15	1.80	0.00	3.95	2.50	1.60	1.15	1.15	2.55	9.70	41.95
1900.	2.80	7.70	4.00	19.15	1.50	5.50	6.90	1.00	1.80	2.75	8.15	3.50	64.75
1901.	5.65	6.20	3.70	2.95	0.75	1.75	8.55	3.35	1.40	0.20	2.40	8.10	45.00
1902.	2.40	2.80	5.20	2.00	3.55	1.40	5.25	3.85	6.22	0.97	4.70	4.25	42.59
1903.	4.20	14.25	8.75	1.05	2.85	6.58	6.40	8.05	0.50	0.65	T.	4.40	57.68
1904.	2.25	1.82	4.60	2.40	1.10	2.60	10.53	3.95	1.82	T.	2.40	3.98	37.45
1905.	*6.20	*9.70	4.26	8.27	4.83	4.93	3.92	0.88	8.55	2.53	4.69	9.30	68.06

Natchez, Adams County—Elevation, 206 feet—continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1906.	4.02	2.49	12.01	2.36	2.08	3.75	5.92	2.47	4.15	4.85	2.27	4.56	50.93
1907.	0.88	4.24	1.91	6.15	16.61	1.78	4.19	3.11	2.95	4.59	8.32	3.71	58.44
1908.	4.42	11.41	3.45	5.30	3.43	6.00	5.28	6.98	1.94	0.38	3.75	4.08	56.42
M'ns	5.25	5.44	6.09	4.69	3.54	4.00	5.20	4.76	3.44	2.65	4.12	5.41	54.59

* Estimated

Suffolk, Franklin County—Elevation, — feet

1901.	....	5.33	3.97	4.54	1.73	2.17	7.59	5.87	6.37	2.36	3.08	9.61	....
1902.	3.20	4.18	4.61	2.48	5.01	1.56	5.87	2.53	4.37	1.41	5.37	7.04	47.63
1903.	5.63	13.26	9.41	1.72	3.41	4.53	9.53	3.22	0.80	0.67	0.39	4.95	57.52
1904.	3.43	1.97	4.41	2.92	1.90	7.10	8.50	3.04	1.10	T.	2.18	2.65	39.20
1905.	6.84	10.16	5.12	10.48	6.19	5.39	9.17	3.03	9.77	2.86	5.37	4.14	78.52
1906.	3.07	1.97	10.42	2.67	2.88	3.45	6.40	3.70	5.42	6.82	1.79	3.43	52.02
1907.	1 50	4.51	2.06	4.87	12.34	2.23	7.63	4.29	2.95	4.04	7.27	3.82	57.51
1908.	5.87	6.39	3.81	3.62	9.07	6.12	6.61	12.09	1.38	0.33	2.41	5.38	63.08
M'ns	4.22	5.97	5.48	4.16	5.32	4.07	7.66	4.72	4.02	2.31	3.48	5.13	56.54

Brookhaven, Lincoln County—Elevation, 500 feet

1869.	....	....	....	....	....	....	....	10.61	4.76	....	....	....	....
1870.	....	1.68	7.90	6.20	1.40	3.00	5.20	5.40	....	....	....	....	....
1873.	....	....	....	....	....	....	....	....	....	....	....	4.00	....
1874.	4.15	5.55	8.74	20.35	0.75	3.65	4.85	1.75	4.15	0.40	2.60	5.60	62.54
1875.	7.45	10.45	8.60	7.50	1.10	5.20	3.30	6.70	6.40	2.65	6.15	8.40	73.90
1876.	4.90	7.00	11.20	7.20	5.10	2.00	3.75	7.30	0.55	0.25	1.40	3.28	53.93
1877.	6.42	1.47	5.20	12.00	2.55	3.90	6.60	8.75	10.10	7.06	5.70	3.20	72.95
1878.	4.70	3.55	6.05	7.00	4.30	9.75	4.70	5.60	7.65	4.05	4.55	6.65	68.55
1879.	3.80	4.00	4.65	6.80	6.50	2.00	7.00	8.80	9.95	0.40	4.65	3.30	61.85
1880.	0.80	6.50	8.20	....	....	....	....	....	....	....	....	....	....
1882.	....	....	....	6.90	7.60	7.60	10.31	4.95	2.82	4.45	....	....	....
1883.	....	....	....	11.08	5.05	6.41	4.94	3.73	1.81	7.09	....	....	....
1884.	....	....	....	4.71	11.83	6.90	0.48	4.18	2.28	1.73	....	....	....
1885.	....	....	....	....	0.84	4.07	6.99	4.62	5.93	1.77	....	....	....
1886.	....	....	....	11.23	3.52	11.34	4.46	6.29	1.97	0.01	....	....	....
1887.	4.56	5.32	1.45	....	4.48	5.59	6.18	5.09	2.87	4.49	....	....	....
1888.	....	....	....	0.12	3.16	2.74	1.46	9.75	3.54	3.08	....	....	....
1889.	....	....	....	....	0.23	7.25	6.53	1.59	1.85	0.02	3.40	1.50	....
1890.	1.37	8.89	9.85	5.05	3.51	6.51	4.04	6.05	3.02	4.75	1.95	3.70	58.69
1891.	10.16	7.88	3.64	5.44	7.16	4.20	8.24	2.68	0.29	0.99	9.49	5.00	65.17
1892	6.99	3.96	9.06	6.70	2.67	6.19	15.63	6.29	1.67	0.87	3.94	5.77	69.74
1893.	1.77	6.87	3.12	3.40	11.28	6.93	2.77	2.87	3.71	1.83	5.72	6.35	56.62
1894.	5.37	7.61	5.46	5.71	4.91	6.78	6.13	5.15	2.56	0.68	1.43	5.90	57.69
1895.	6.51	3.74	7.77	2.92	5.41	5.07	6.45	5.11	0.60	1.75	2.64	7.34	55.31
1896.	5.38	8.49	6.28	4.74	0.41	6.36	1.45	3.14	2.48	6.15	5.35	1.90	52.13
1897.	7.05	5.43	5.85	1.84	1.71	2.68	4.32	6.89	0.25	0.75	3.63	6.02	46.42
1898.	9.05	5.62	3.37	3.56	1.45	4.26	6.30	9.43	6.75	3.57	8.57	2.52	64.45
1899.	10.42	5.37	2.81	1.30	0.65	4.97	7.20	3.95	2.00	0.27	1.95	4.75	45.64
1900.	3.88	8.40	....	....	2.40	7.58	11.06	3.44	1.83	2.60	1.80	5.10	....
1901.	2.70	6.95	4.60	6.21	3.45	2.70	3.25	4.40	3.85	3.85	1.35	8.45	51.76
1902.	3.45	4.35	11.25	3.65	3.20	2.04	3.61	3.15	5.22	1.00	4.35	8.00	53.27
1903.	6.15	12.55	13.07	1.28	3.77	2.65	6.55	3.30	0.40	0.80	....	....	....
1904.	....	....	3.97	3.00	1.75	6.70	6.10	2.20	1.55	0.00	2.42	....	....
1905.	....	....	....	10.45	4.70	4.40	3.90	4.97	3.58	3.35	5.23	5.29	....
1906.	5.58	1.80	9.85	2.20	2.95	4.13	4.15	3.95	10.55	6.20	1.55	3.83	56.74
1907.	1.51	3.67	1.10	6.99	14.62	2.85	2.63	5.70	3.31	1.82	6.90	5.02	56.12
1908.	3.97	7.36	4.08	5.73	5.53	4.82	5.97	6.27	2.40	0.66	1.01	4.36	52 16
M'ns	5.12	5.94	6.43	6.04	4.12	5.09	5.49	5.26	3.61	2.40	3.91	5.01	58.42

Waynesboro, Wayne County—Elevation, 191 feet

1882.	....	....	....	4.57	1.39	....	0.68	0.71	0.18	1.66	....	....	....
1883.	....	....	....	7.32	4.12	6.55	1.12	....	0.00	....	....	....	....
1884.	....	....	....	2.26	4.15	3.88	6.98	2.46	0.55	2.05	....	....	....
1885.	....	....	....	....	3.13	2.50	7.30	3.75	4.99	1.59	....	....	....
1886.	....	....	....	9.67	2.82	8.76	3.07	3.57	1.18	0.00	....	....	....
1887.	....	....	1.02	1.72	3.00	2.03	6.39	1.56	1.73	2.66	....	....	....
1888.	....	....	....	0.28	4.70	3.41	3.14	10.56	3.84	3.37	....	....	....
1889.	*4.59	*1.89	*3.36	*3.18	0.15	3.31	5.05	1.59	4.06	0 00	2.79	0.99	30.96
1890.	*1.91	*4.87	*4 14	6.91	3.69	7.93	4.75	3 74	3.93	1.19	*1.40	*1.95	46.41
1891.	*4.43	*6.90	*5.00	*1.95	0.66	6.42	5.91	3.75	0.75	0.15	3.72	*2.83	42.47
1892.	*7.00	*5.81	*8.10	....	2.35	5.38	*7.62	5.48	3.33	1.20	1.04	†5.50	....
1893.	....	....	*2.67	....	9.83	5.81	6.40	4.44	5.94	*1.15	*4.15	*3.15	....
1894.	*3.90	*7.65	*6.85	*2.36	4.32	2.20	7.04	9.28	5.12	0.10	1.04	*6.30	56.16
1895.	*7.80	*1.45	*3.95	*5.40	5.66	8.99	4.74	6.16	1.75	1.78	*1.20	*4.10	52.98
1896.	*4.45	*4.75	*5.10	*2.56	4.89	9.60	3.52	5.13	1.15	2.55	4.55	*1.60	49.85
1897.	4.50	5.19	7.01	2.85	2.40	3.60	4.85	10.88	0.60	0.35	2.95	*4.75	49.93
1898.	4.00	4.00	3.05	3.72	0.86	6.85	5.89	5.55	7.19	2.31	9.60	5.71	58.73
1899.	5.16	5.41	4.01	1.95	1.00	2.45	4.80	6.54	0.50	1.25	2.22	3.45	38.74
1900.	2.25	8.71	4.77	9.88	3.23	17.28	5.05	3.30	5.05	6.78	0.90	7.30	74.50
1901.	3.14	3.40	3.97	7.20	3.65	4.19	3.82	5.30	1.95	1.50	2.21	7.90	48.23
1902.	3.95	5.15	8.09	2.90	2.73	2.20	3.46	5.95	5.57	2.48	2.21	4.71	49.40
1903.	4.01	8.96	6.35	1.12	1.65	3.01	4.16	4.03	T.	1.00	1.31	5.22	40.82
1904.	4.80	3.04	4.21	3.65	3.15	5.58	7.04	6.33	3.05	0.20	3.65	6.65	51.35
1905.	5.95	9.45	5.30	5.73	3.42	4.36	4.29	7.73	1.38	4.45	1.59	6.30	59.95
1906.	4.95	2.69	10.80	0.76	7.77	5.50	5.62	3.85	9.42	5.52	0.70	3.85	61.43
1907.	2.50	3.90	2.20	6.20	13.90	1.50	5.30	2.75	3.55	0.45	9.40	6.10	57.75
1908.	5.65	9.37	2.00	15.09	5.87	4.04	7.30	2.33	3.72	1.19	0.52	2.25	59.33
M'ns	4.47	5.40	4.85	4.55	3.87	5.28	5.01	4.87	2.98	1.83	2.86	4.53	50.50

* Taken from record of voluntary observer † Estimated

Woodville, Wilkinson County—Elevation, 560 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893.	....	....	2.05	5.60	8.03	4.37	6.21	4.50	3.70	0.91	6.07	3.19	....
1894.	7.46	7.31	7.94	2.07	1.34	5.55	6.96	5.46	5.75	0.53	1.69	3.75	55.81
1895.	5.52	2.86	5.01	2.94	5.53	6.37	6.43	5.24	1.41	2.10	4.12	6.46	53.99
1896.	6.15	8.28	9.09	8.22	1.92	4.63	5.13	4.65	1.73	7.60	4.27	2.93	64.60
1897.	7.01	3.75	4.93	3.01	4.29	5.51	6.35	9.39	1.89	2.18	4.31	6.52	59.14
1898.	9.03	5.49	5.71	2.23	0.95	6.58	8.62	7.62	6.18	5.05	7.01	3.22	67.69
1899.	9.73	3.71	4.42	2.00	T.	3.31	1.94	6.46	1.10	2.04	2.60	11.39	48.70
1900.	4.03	8.10	6.30	15.29	5.71	8.68	11.63	2.74	0.97	6.10	1.71	6.16	77.42
1901.	4.04	5.13	5.60	5.72	0.93	1.63	10.25	5.84	4.62	0.62	3.26	9.68	57.32
1902.	2.63	3.45	3.84	2.59	2.49	0.47	6.00	3.54	3.80	1.51	5.25	7.90	43.47
1903.	6.10	9.97	14.98	1.13	3.30	4.74	7.41	5.97	1.51	1.77	0.43	4.89	62.20
1904.	3.38	2.05	3.92	1.64	2.52	3.19	7.30	6.09	3.69	0.00	1.34	4.58	39.70
1905.	6.44	10.52	4.86	9.74	7.24	7.77	10.58	4.97	8.03	4.35	7.34	4.10	85.94
1906.	4.05	3.39	10.18	4.03	2.44	2.59	8.15	3.39	4.09	5.72	3.52	5.21	56.76
1907.	1.70	4.26	1.75	6.61	17.34	0.75	8.83	4.95	4.33	1.79	5.18	4.00	61.49
1908.	5.90	5.76	4.57	7.59	8.12	5.11	7.82	8.17	3.68	0.41	2.09	3.58	62.80
M'ns	5.54	5.60	5.95	5.03	4.51	4.45	7.48	5.56	3.53	2.67	3.76	5.47	59.55

Magnolia, Pike County—Elevation, 415 feet

1895.	....	....	....	....	7.36	7.53	12.29	8.27	1.27	2.31	....	5.29	....
1896.	3.21	5.82	6.12	3.35	0.45	6.98	1.73	5.26	5.64	7.27	5.99	4.57	56.30
1897.	5.51	6.63	7.93	3.69	4.63	2.56	5.76	15.60	2.55	2.42	3.03	5.17	65.48
1898.	8.32	7.21	3.30	3.81	2.89	10.08	7.01	8.46	8.36	4.64	6.20	4.56	74.84
1899.	6.73	2.78	5.04	0.97	0.30	8.80	2.35	5.21	1.94	0.63	2.14	3.94	40.83
1900.	4.01	9.29	5.63	18.20	5.13	6.55	16.67	3.08	1.13	4.92	0.96	5.58	81.15
1901.	4.53	5.03	4.89	7.68	1.55	2.96	11.11	3.99	3.77	1.05	2.43	10.43	59.42
1902.	2.63	5.44	5.70	2.60	2.45	0.43	5.16	2.66	5.01	1.29	3.30	6.64	43.31
1903.	8.18	10.13	11.74	0.67	4.13	5.09	6.28	4.09	1.28	1.12	0.48	4.70	57.89
1904.	3.77	3.83	3.99	1.96	5.05	8.09	8.51	5.06	1.11	0.13	1.17	5.83	48.50
1905.	6.29	12.82	5.23	14.59	6.73	2.24	7.91	8.49	5.83	3.66	3.58	5.54	82.91
1906.	7.30	3.63	10.92	4.65	2.23	2.06	4.94	4.71	7.22	3.87	1.66	4.91	58.10
1907.	1.75	2.52	1.81	5.48	17.45	1.85	7.29	7.70	6.42	2.53	5.88	7.85	68.53
1908.	4.63	6.70	2.83	6.51	9.18	6.64	9.18	7.59	4.82	0.58	1.81	3.71	64.18
M'ns	5.14	6.29	5.78	5.70	4.97	5.13	7.58	6.44	4.02	2.60	2.97	5.62	62.24

Hattiesburg, Forest County—Elevation, 154 feet

1890.	....	....	....	2.47	2.36	4.95	10.42	4.70	2.70	4.55	1.45	2.10	....
1891.	4.60	6.79	0.35	1.75	4.14	2.06	8.25	4.85	1.60	0.00	4.91	4.35	43.65
1892.	5.95	3.46	....	....	3.21	6.90	9.04	6.07	1.84	2.03	3.88	5.08	....
1893.	4.40	4.41	3.22	....	....	4.40	5.82	8.04	5.84	1.01	6.90	3.31	....
1894.	3.14	5.92	5.07	2.55	2.50	1.65	7.46	6.43	2.49	0.30	0.97	4.78	43.26
1895.	6.79	3.46	7.04	1.20	3.76	7.68	2.81	5.50	1.90	....	....	....	....
1900.	4.88	11.41	5.05	14.85	1.58	18.48	4.61	2.17	2.38	....	....	....	....
1901.	....	....	....	....	....	....	8.68	8.69	2.15	0.26	1.69	5.47	....
1902.	6.22	4.22	7.04	2.92	3.95	1.31	5.27	7.16	7.17	4.20	2.98	5.15	57.59
1903.	5.53	10.22	8.14	1.18	4.29	4.35	4.97	3.41	1.20	2.71	1.07	5.01	52.08
1904.	3.69	4.57	2.69	2.19	4.43	....	....	....	....	....	....	3.72	....
1905.	6.90	10.00	5.80	7.96	4.98	1.80	2.44	4.80	4.25	2.31	2.94	8.13	62.31
1906.	5.15	2.64	8.78	1.03	4.09	5.98	4.40	3.08	11.66	1.08	1.96	3.56	53.41
1907.	2.04	2.94	3.68	4.82	13.92	4.34	13.16	4.22	8.48	2.20	8.24	5.30	73.34
1908.	5.62	6.46	2.14	10.42	7.04	5.79	6.16	3.84	6.36	1.40	0.34	2.78	58.35
M'ns	4.99	5.88	4.92	4.44	4.63	5.36	6.68	5.21	4.29	1.84	3.11	4.52	55.87

Precipitation data for the years 1897, 1898, and 1899 is considered doubtful, and has therefore been stricken from the record.

Leakesville, Greene County—Elevation, — feet

1894.	0.93	9.50	5.71	2.01	2.80	6.10	7.60	7.32	2.05	5.32	0.14	6.15	55.63
1895.	7.18	4.81	5.93	7.02	3.33	10.03	11.70	4.84	2.15	4.05	0.98	4.11	66.13
1896.	3.93	7.19	6.30	2.26	8.16	7.05	6.55	3.21	1.10	4.40	4.95	2.62	57.72
1897.	5.63	6.60	8.80	5 47	2.84	2.16	9.78	15.57	2.41	2.26	2.29	5.89	69.70
1898.	2.11	3.82	1.08	....	0.16	6.38	8.36	8.66	8 54	1.20	7.27	....	....
1899.	6.92	4.93	3.55	1.08	2.96	7.66	7.60	2.38	0.55	1.11	4.00	4.63	47.37
1900.	5.31	12.12	5.50	8.09	3.84	15.58	6.83	4.89	5.92	3.60	1.84	8.76	82.28
1901.	4.08	6.76	4.00	7.34	2.96	2.40	4.29	13.01	2.45	1.79	1.90	9.93	60.91
1902.	3.56	3.87	7.37	3.82	4.63	0.76	4.42	2.63	5.87	5.75	3.28	5.47	51.43
1903.	4.63	9.47	4.09	0.14	3.72	4.40	5.68	4.16	1.59	2.09	0.93	5.22	46.12
1904.	4.26	4.69	3.87	1.31	5.59	2.50	8.96	4.98	3.96	0.12	2.14	3.76	46.14
1905.	5.95	8.25	6.65	4.40	5.09	3.09	6.52	6.80	3.72	4.40	2.48	7.53	64.88
1906.	4.69	2.92	7.92	1.72	3.28	7.66	6.73	3.79	14.25	1.22	1.29	2.14	57.61
1907.	1.92	3.54	6.79	8.68	11.39	4.42	9.36	4.53	12.74	0.47	9.29	8.25	81.38
1908.	6.93	6.95	4.66	6.43	4.34	5.32	7.14	4.33	4.54	1.33	2.34	1.46	55.77
M'ns	4.54	6.36	5.48	4.27	4.34	5.70	7.43	6.07	4.79	2.61	3.01	5.42	60.02

Pearlington, Hancock County—Elevation, 10 feet

1889.	5.84	3.47	6.05	2.13	1.36	3.11	6.14	8.74	4.01	0.06	3.80	1.82	46.53
1890.	1.64	2.91	2.24	4.88	4.06	5.07	9.02	5.58	5.80	3.46	4.32	2.31	51.29
1891.	5.80	10.95	6.32	4.10	0.21	8.15	4.75	6.23	3.80	3.40	3.40	5.00	62.11
1892.	8.44	0.20	4.30	8.48	1.72	5.28	....	....	3.79	3.67	6.29	3.29	....
1893.	4.50	3.17	6.19	2.30	3.14	7.25	4.49	3.39	10.98	5.54	5.02	2.09	58.06
1894.	1.79	11.61	6.85	4.56	2.73	4.08	8.97	6.30	4.26	0.12	1.20	3.40	55.87
1895.	5.58	5.24	5.53	3.25	5.92	5.41	9.61	9.83	2.08	2.16	0.91	3.84	59.36
1896.	2.32	4.79	4.97	2.90	5.16	8.50	5.61	6.75	3.75	3.18	2.20	3.31	53.44

Pearlington, Hancock County—Elevation, 10 feet—continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1897.	3.45	6.72	15.84	4.63	1.10	1.98	5.64	5.23	2.78	2.48	3.80	6.11	59.76
1898.	2.85	7.06	0.62	2.20	0.77	2.69	7.45	11.38	17.65	4.42	7.98	3.66	68.73
1899.	3.90	4.19	3.11	1.20	0.06	8.77	5.57	5.48	0.50	1.77	1.57	3.34	39.46
1900.	5.77	7.61	6.34	17.26	5.91	15.85	8.05	8.07	6.18	3.10	0.93	5.91	90.98
1901.	3.45	4.95	3.18	6.16	0.49	1.53	5.63	11.32	1.68	3.47	1.92	5.74	49.52
1902.	1.26	3.94	4.53	2.85	6.82	0.24	2.21	7.19	5.73	2.63	2.08	7.48	46.96
1903.	4.67	8.67	8.84	0.50	2.15	3.12	9.76	6.19	2.59	2.01	0.29	3.54	52.33
1904.	2.69	5.12	2.55	3.61	1.81	3.53	5.01	4.34	6.46	1.97	2.01	2.65	41.75
1905.	5.71	5.76	7.59	6.12	4.66	4.95	7.90	9.67	8.34	8.30	5.11	14.34	88.45
1906.	4.26	3.17	12.11	1.26	1.24	1.73	8.40	3.69	7.27	1.66	0.93	2.40	48.12
1907.	2.05	5.80	1.55	10.49	10.11	0.74	2.40	4.14	6.30	1.88	6.66	7.49	59.61
1908.	5.81	4.45	5.66	4.04	8.01	5.64	12.88	6.03	9.17	0.96	2.87	1.19	66.71
M'ns	4.09	5.49	5.72	4.65	3.37	4.88	6.82	6.82	5.66	2.81	3.16	4.45	57.92

Bay St. Louis, Hancock County—Elevation, 28 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1890.	....	....	....	....	....	....	....	....	1.80	....	1.00	6.30	....
1891.	11.10	3.05	6.27	2.25	2.50	10.60	6.00	5.50	7.90	2.50	6.50	8.00	72.17
1892.	14.30	0.75	....	14.30	....	....	....	....	....	....	....	....	....
1893.	....	....	....	....	....	....	....	....	....	....	....	....	....
1894.	1.59	....	....	4.00	1.29	1.10	8.98	8.16	2.40	0.30	0.97	2.16	....
1895.	4.52	4.45	7.50	4.08	6.80	9.73	....	....	1.71	3.45	1.63	3.28	....
1896.	2.95	4.70	....	1.15	....	....	4.55	9.27	....	4.39	2.54	1.78	....
1897.	2.41	8.02	....	8.75	0.29	1.42	1.53	6.14	2.38	1.37	4.39	5.46	....
1898.	3.72	8.00	2.56	3.59	1.29	4.44	4.85	12.49	12.88	3.53	7.26	4.51	69.12
1899.	4.84	4.13	5.62	1.27	0.04	7.92	4.51	8.03	1.68	1.33	2.01	3.98	45.36
1900.	8.16	9.86	6.84	16.83	3.71	20.21	10.85	6.42	8.51	2.35	0.71	7.02	101.47
1901.	3.26	5.46	3.49	8.78	0.48	2.86	10.55	10.42	1.58	3.81	2.79	7.32	60.80
1902.	0.93	5.47	4.78	3.78	3.08	2.05	2.36	5.28	5.06	7.65	2.89	7.64	50.97
1903.	4.83	....	12.72	0.36	3.97	....	....	....	....	1.70	0.13	3.23	....
1904.	2.42	4.03	3.08	1.31	3.02	4.23	13.57	7.93	2.71	2.45	3.29	2.38	50.42
1905.	6.57	8.79	7.10	4.44	5.84	2.74	3.93	2.23	5.33	7.64	4.30	9.68	68.59
1906.	4.50	3.74	10.94	1.42	0.45	4.82	8.47	4.08	6.83	1.64	1.18	1.74	49.81
1907.	2.12	4.52	1.74	11.17	9.81	0.28	2.69	5.64	12.13	0.59	6.62	10.80	68.11
1908.	6.34	4.57	6.22	3.04	7.49	4.86	13.49	7.63	7.17	1.44	2.01	2.48	66.74
M'ns	4.97	5.30	6.07	5.32	3.34	5.52	6.88	7.09	5.34	2.88	2.95	5.16	60.82

Biloxi, Harrison County—Elevation, 24 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1887.	....	5.34	3.03	0.95	2.95	8.22	4.50	6.22	11.47	4.91	4.65	10.13	....
1888.	3.03	8.90	7.25	1.78	9.58	6.11	2.74	19.08	4.64	4.85	2.22	....	....
1893.	....	....	....	....	2.79	9.18	4.17	6.15	9.21	8.00	5.84	1.54	....
1894.	1.59	9.95	6.00	1.95	1.87	1.13	7.28	9.17	5.09	0.40	0.35	2.85	47.63
1895.	5.89	4.67	7.13	5.45	6.25	17.10	3.57	7.75	2.10	4.70	0.45	3.60	68.66
1896.	2.60	4.60	8.20	1.15	2.50	7.40	3.87	3.70	3.63	6.80	2.98	3.08	45.51
1897.	4.88	8.02	12.64	4.69	0.67	3.15	2.94	6.08	4.09	1.83	1.67	5.74	56.40
1898.	4.18	5.03	1.69	3.50	1.23	4.89	7.00	12.53	21.76	2.12	7.19	5.78	76.90
1899.	4.22	5.16	11.67	0.62	T.	9.20	5.99	4.04	0.43	0.80	3.28	3.50	48.91
1900.	6.32	9.87	7.95	10.22	6.77	16.93	7.31	3.45	7.15	3.38	1.92	8.33	89.60
1901.	2.49	3.55	4.37	9.05	1.42	4.25	11.48	9.47	4.17	0.34	2.46	6.84	59.89
1902.	1.17	6.48	5.00	2.23	2.23	1.16	2.19	4.80	4.85	3.61	3.58	5.71	43.01
1903.	4.83	7.82	8.73	2.28	1.40	2.55	8.97	4.68	1.05	2.25	4.02	4.14	52.72
1904.	2.64	3.17	2.39	1.23	2.16	3.23	9.99	9.25	1.15	1.12	2.68	2.98	41.99
1905.	4.14	7.05	7.41	3.69	6.88	2.06	5.14	6.04	7.05	6.01	3.57	8.85	67.89
1906.	2.88	3.77	10.08	1.09	2.20	7.91	4.21	2.96	11.84	1.42	0.83	2.13	51.32
1907.	1.86	2.24	1.58	13.75	9.07	1.98	5.56	3.71	11.18	0.44	4.32	9.61	65.30
1908.	5.94	4.50	6.24	6.20	6.05	5.13	19.16	4.11	7.48	0.75	0.13	3.04	68.73
M'ns	3.67	5.89	6.26	4.11	3.67	6.20	6.45	6.84	6.57	2.98	2.90	5.17	60.71

Mean temperature

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Yrs													
Yazoo City	14	46.2	45.5	58.8	64.8	74.0	80.0	82.1	82.5	76.5	64.5	54.7	47.0	64.7
Canton	18	46.3	48.3	58.3	64.5	72.0	78.5	80.6	80.4	75.6	64.6	55.4	48.1	64.4
Vicksburg	38	47.0	50.9	58.2	65.2	72.9	78.5	80.4	79.6	74.8	65.3	55.9	49.4	64.8
Meridian	19	45.0	49.1	56.3	64.1	71.1	77.3	80.0	78.5	72.7	63.0	53.2	46.9	63.1
Crystal Springs	16	47.1	48.0	59.1	65.0	73.0	79.3	81.0	81.0	76.3	66.1	56.5	48.2	65.0
Natchez	18	49.9	51.5	61.3	67.1	73.9	79.9	81.8	81.7	77.4	67.1	58.3	50.5	66.7
Brookhaven	18	48.0	50.8	59.8	65.8	73.3	79.5	81.7	81.2	76.4	65.6	56.5	50.2	65.7
Waynesboro	20	47.2	50.1	57.8	64.5	72.5	78.5	81.0	80.5	75.6	64.5	55.0	48.6	64.6
Woodville	15	50.1	50.1	61.3	66.5	74.2	79.8	81.4	81.3	77.3	66.9	57.9	50.6	66.4
Magnolia	12	49.6	50.2	61.6	65.4	74.0	79.9	81.4	81.4	76.8	67.1	58.1	50.1	66.3
Hattiesburg	14	49.8	52.0	61.2	65.7	74.1	80.7	82.2	82.1	77.5	66.2	57.3	50.8	66.6
Leakesville	14	50.3	50.8	61.5	65.7	73.7	80.0	81.4	81.7	78.1	67.2	58.0	50.2	66.6
Pearlington	20	52.0	54.5	62.2	67.3	74.0	79.6	81.0	80.7	77.5	67.6	59.1	52.5	67.3
Biloxi	17	51.4	52.8	62.3	67.4	75.3	80.5	81.9	81.7	78.4	68.9	59.6	51.7	67.6

Highest temperature

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Yrs													
Yazoo City	15	81	83	91	96	103	102	107	107	105	99	88	82	107
Canton	18	81	82	89	92	95	100	103	106	101	95	85	80	106
Vicksburg	35	82	83	88	92	95	101	100	100	98	94	86	79	101
Meridian	19	79	81	89	90	96	100	104	103	98	92	85	78	104
Crystal Springs	17	80	83	88	92	100	103	105	104	99	96	87	85	105
Natchez	18	83	85	90	92	96	101	105	101	100	98	88	82	105
Brookhaven	16	80	82	91	96	102	104	105	105	103	99	87	82	105
Waynesboro	16	79	82	90	96	100	102	105	101	100	98	89	80	105
Woodville	16	79	81	87	92	96	101	104	100	98	94	83	79	104
Magnolia	14	80	82	91	92	101	103	105	103	101	99	88	82	105
Hattiesburg	16	82	84	91	93	98	103	103	103	101	95	88	85	103
Leakesville	15	83	84	91	95	100	103	109	103	100	100	89	83	109
Pearlington	16	79	82	88	89	98	102	105	100	99	97	84	80	105
Biloxi	16	79	78	87	90	98	98	100	100	98	98	85	80	100

Lowest temperature

Yazoo City	15	10	−2	24	33	42	48	51	52	39	24	14	9	−2
Canton	18	13	−3	23	31	35	49	58	53	38	27	15	11	−3
Vicksburg	35	3	−1	24	31	44	52	62	54	42	34	22	12	−1
Meridian	19	12	−6	17	28	40	46	58	49	39	29	18	9	−6
Crystal Springs	17	9	−7	24	32	40	50	59	59	42	30	17	12	−7
Natchez	18	17	2	23	32	43	51	60	53	45	30	23	11	2
Brookhaven	16	11	−10	22	31	39	50	59	58	38	28	21	6	−10
Waynesboro	16	14	......	22	30	41	50	58	56	40	29	20	8	......
Woodville	16	15	−3	26	33	42	53	60	59	44	32	21	13	−3
Magnolia	14	15	−1	24	31	38	50	57	61	40	29	19	12	−1
Hattiesburg	16	16	−1	24	32	39	52	60	55	40	30	21	13	−1
Leakesville	15	9	−5	21	29	39	53	59	58	37	29	21	11	−5
Pearlington	16	18	5	27	34	41	52	61	63	43	33	26	13	5
Biloxi	16	18	1	30	38	40	58	65	63	40	35	27	15	1

Average number of days with .01 inch or more of precipitation

Yazoo City	18	8	9	9	7	7	8	10	9	5	7	6	8	93
Canton	18	9	8	9	8	8	9	12	9	6	4	7	8	97
Vicksburg	36	12	10	10	10	8	10	12	10	7	6	9	9	113
Meridian	20	10	10	10	8	9	11	13	11	7	5	7	9	110
Crystal Springs	17	9	9	9	7	7	9	12	10	7	4	5	9	97
Brookhaven	16	8	8	8	6	6	8	9	9	5	3	5	7	82
Waynesboro	16	6	7	6	5	6	7	10	8	5	4	5	7	76
Woodville	16	11	10	10	8	7	11	14	12	9	5	7	9	113
Magnolia	14	10	8	8	7	6	10	14	13	7	5	6	8	102
Hattiesburg	16	7	7	7	4	6	8	11	9	5	2	5	7	78
Leakesville	15	7	7	7	5	5	8	12	10	7	3	5	7	83
Pearlington	16	8	8	7	5	6	8	11	12	8	4	5	6	88
Biloxi	16	7	8	7	5	5	8	10	10	8	4	5	7	84

Prevailing wind direction

Stations	Length of record	January	February	March	April	May	June	July
	Yrs							
Vicksburg	29	se.	se.	se.	se.	se.	se.	sw.
Meridian	17	n.	n.	s.	sw.	s.	sw.	sw.
Brookhaven	16	n.	n.	s.	s.	s.	s.	s.
Woodville	16	n.	n.	se.	se.	se.	se.	se.
Magnolia	14	se.	s.	s.	s.	s.	s.	s.
Hattiesburg	10	nw.	n.	s.	s.	s.	s.	s.
Biloxi	16	n.	n.	se.	se.	se.	s.	se.

Stations	Length of record	August	September	October	November	December	Annual
	Yrs						
Vicksburg	29	sw.	se.	se.	se.	se.	se.
Meridian	17	sw.	ne.	ne.	ne.	n.	sw.
Brookhaven	16	s.	n.	n.	se.	n.	s.
Woodville	16	se.	se.	n.	n.	n.	se.
Magnolia	14	sw.	se.	ne.	n.	se.	s.
Hattiesburg	10	s.	s.	n.	n.	n.	s.
Biloxi	16	s.	s.	n.	se.	n.	se.

Frost data

Stations.	Length of record	Average date of first killing frost in autumn	Average date of last killing frost in spring	Earliest date of killing frost in autumn	Latest date of killing frost in spring
	Yrs				
Yazoo City	16	Nov. 2	Mar. 28	Oct. 9	Apr. 21
Canton	16	Nov. 4	Mar. 19	Oct. 15	Apr. 7
Vicksburg	38	Nov. 13	Mar. 6	Oct. 19	Apr. 6
Meridian	20	Nov. 2	Mar. 17	Oct. 8	Apr. 10
Crystal Springs	16	Oct. 31	Mar. 24	Oct. 11	Apr. 21
Natchez	16	Nov. 12	Mar. 9	Oct. 27	Apr. 1
Brookhaven	16	Nov. 4	Mar. 18	Oct. 20	Apr. 7
Waynesboro	17	Nov. 4	Mar. 20	Oct. 20	Apr. 22
Woodville	16	Nov. 14	Mar. 12	Oct. 27	Apr. 21
Magnolia	15	Nov. 9	Mar. 15	Oct. 24	Apr. 7
Hattiesburg	16	Nov. 9	Mar. 11	Oct. 24	Apr. 3
Leakesville	16	Nov. 10	Mar. 5	Oct. 24	Apr. 9
Pearlington	16	Nov. 24	Mar. 1	Nov. 5	Mar. 27
Biloxi	18	Nov. 28	Feb. 25	Nov. 13	Mar. 26

Mean relative humidity

Stations		Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
		Yrs													
Meridian	8 a. m.	17	85	83	84	82	83	83	86	88	87	85	86	86	85
	8 p. m.	9	74	73	66	65	67	69	73	74	75	67	70	76	71
Vicksburg	8 a. m.	21	80	78	79	80	82	84	86	88	85	81	81	81	82
	8 p. m.	21	67	64	61	60	63	67	72	74	70	62	63	64	66

Average hourly wind velocity

Meridian	17	6.1	7.0	7.2	6.5	5.2	4.6	4.2	4.0	4.5	4.7	5.3	5.5	5.4
Vicksburg	28	7.4	7.9	8.2	7.3	6.3	5.4	5.1	4.7	5.3	5.6	6.5	7.3	6.5

Sunshine (percentage of possible amount)

Meridian	10	49	46	56	60	64	66	60	61	68	67	57	45	58
Vicksburg	15	48	53	63	71	76	72	71	70	69	72	62	51	65

Heavy rainfalls (1 inch per hour)

[Vicksburg—Warren County]

Amount	Time	Date	Amount	Time	Date
1.62	1 hour	Feb. 11, 1894	2.55	1 hour	May 31, 1901
1.33	do	Mar. 20, 1894	2.58	do	Mar. 27, 1902
1.60	do	May 11, 1894	1.13	40 minutes	May 19, 1902
1.48	do	May 12, 1894	1.17	16 minutes	July 31, 1902
1.30	do	July 1-2, 1894	1.00	44 minutes	Sept. 2, 1902
1.00	do	July 31, 1894	1.10	25 minutes	Sept. 23, 1902
1.56	do	Nov. 23, 1894	1.00	19 minutes	Dec. 15, 1902
1.15	do	Jan. 15-16, 1895	1.00	34 minutes	Mar. 8, 1903
1.73	do	June 18, 1895	1.32	44 minutes	May 27, 1904
1.07	do	Apr. 13, 1896	1.14	1 hour	June 5, 1904
1.15	do	June 6, 1896	1.87	43 minutes	Aug. 26, 1904
1.00	do	Jan. 17, 1897	1.00	35 minutes	Apr. 29, 1905
1.70	do	July 10, 1897	1.00	42 minutes	June 25, 1905
1.31	do	July 18, 1897	1.03	27 minutes	July 5, 1905
1.52	50 minutes	July 20, 1897	1.03	do	Aug. 25, 1905
1.24	1 hour	Dec. 3, 1897	1.03	42 minutes	Sept. 11, 1905
1.09	48 minutes	June 14, 1898	1.56	40 minutes	Oct. 14, 1905
1.42	25 minutes	Sept 12, 1898	1.06	39 minutes	Apr. 28, 1906
1.00	49 minutes	Oct. 7, 1898	1.17	23 minutes	June 25, 1906
1.03	30 minutes	Feb. 25, 1899	1.00	38 minutes	Aug. 11, 1906
1.04	1 hour	June 8, 1899	1.00	22 minutes	Aug. 18, 1906
1.07	do	June 15, 1899	1.00	59 minutes	Feb. 24, 1907
1.01	18 minutes	July 23, 1899	1.25	27 minutes	Apr. 27, 1907
1.00	53 minutes	Aug. 3, 1899	1.00	1 hour	Apr. 30, 1907
1.88	55 minutes	Dec. 10, 1899	1.14	25 minutes	May 5, 1907
1.16	32 minutes	June 1, 1900	1.43	40 minutes	June 11, 1907
1.57	50 minutes	June 23, 1900	6.18	4 hrs and 2 m.	July 13, 1907
1.56	24 minutes	July 28, 1900	1.18	20 minutes	Aug. 11, 1907
1.00	1 hour	Sept. 20, 1900	1.00	43 minutes	Feb. 12, 1908
1.11	do	Oct. 21, 1900	2.93	2 hrs and 20 m	May 5, 1908
1.03	47 minutes	Jan. 10, 1901	1.15	1 hr and 4 m.	May 15, 1908
2.01	43 minutes	May 24, 1901	1.06	44 minutes	June 3, 1908

Excessive precipitation, 2.50 inches or more in 24 consecutive hours

[Vicksburg—Warren County]

Amount	Year	Date	Amount	Year	Date
2.61	1872	Apr. 2-3	3.68	1885	Jan. 15-16
3.33	1872	Apr. 5-6	4.35	1885	Apr. 6-7
5.36	1872	May 23-24	2.55	1886	Jan. 1-2
5.11	1872	Dec. 18-19	2.75	1886	Apr. 27-28
4.46	1874	Apr. 8	2.53	1887	Feb. 19-20
4.18	1874	Apr. 15	2.82	1888	Mar. 3-4
4.86	1874	Apr. 18-19	2.75	1888	Aug. 19-20
2.73	1874	July 4-5	2.50	1889	June 11-12
2.95	1874	Sept. 25	2.53	1890	Jan. 15
3.76	1875	Jan. 23-24	2.73	1890	Mar. 11-12
3.26	1875	Mar. 31	3.25	1890	May 2-3
2.63	1875	Apr. 9-10	6.47	1891	Mar. 7-8
4.99	1875	Sept. 17-18	4.28	1891	Nov. 21-22
2.84	1876	Mar. 6	2.70	1892	Feb. 19-20
3.40	1876	May 7	3.79	1892	July 17-18
3.70	1876	Dec. 23-24	2.80	1893	May 2-3
3.53	1877	Apr. 7-8	2.68	1895	Jan. 7-8
2.97	1877	Oct. 17-18	3.59	1896	Jan. 31—Feb. 1
2.50	1877	Nov. 1	5.28	1897	Dec. 2-3
2.83	1877	Nov. 7-8	3.90	1898	Sept. 19-20
4.46	1878	Mar. 9	6.30	1899	Jan. 5-6
2.63	1878	Apr. 23	2.82	1889	Aug. 3
3.23	1878	Dec. 8-9	5.56	1899	Dec. 10-11
3.97	1879	Sept. 1-2	4.60	1900	Apr. 16-17
3.05	1880	Mar. 15	2.53	1900	June 23
3.09	1880	Apr. 7-8	7.03	1901	Jan. 10-11
4.27	1880	May 30	2.54	1901	Feb. 2-3
5.24	1880	Sept. 1	4.66	1901	May 24-25
2.71	1880	Oct. 4	3.85	1901	May 30-31
3.18	1880	Nov. 24-25	3.29	1901	Dec. 28-29
2.93	1880	Nov. 28	7.12	1902	Mar. 26-27
2.81	1880	Nov. 30	3.41	1903	Feb. 6-7
3.85	1881	Sept. 14-15	2.67	1904	Dec. 26-27
6.44	1881	Oct. 27-28	2.53	1905	Apr. 24-25
3.44	1881	Nov. 11	2.53	1905	Apr. 29-30
2.68	1882	Feb. 23	3.01	1905	Oct. 14-15
2.76	1882	Mar. 8	3.60	1906	Mar. 18-19
2.84	1882	May 7	3.30	1906	Mar. 27-28
3.78	1882	Dec. 19-20	3.22	1906	Sept. 27-28
4.26	1883	Apr. 6	3.07	1906	Oct. 4-5
4.35	1883	Nov. 10-11	7.99	1907	July 13
4.02	1883	Nov. 22	3.57	1908	Feb. 11-12
4.51	1883	Dec. 29-30	4.61	1908	Mar. 22-23
2.69	1884	Sept. 3	3.39	1908	May 5
5.82	1884	Dec. 29			

Heavy rainfall (1 inch per hour)

[Meridian—Lauderdale County]

Amount	Time	Date	Amount	Time	Date
1.60	40 minutes	Sept. 5, 1888	1.00	32 minutes	Apr. 17, 1901
1.18	1 hour	May 12, 1890	1.00	59 minutes	May 31, 1901
1.17	43 minutes	Sept. 4, 1890	1.00	58 minutes	June 2, 1901
2.10	1 hour	Mar. 8, 1891	1.10	1 hour	Mar. 26, 1902
1.78	50 minutes	June 8, 1891	1.00	54 minutes	Aug. 28, 1902
1.52	45 minutes	June 9, 1891	1.00	25 minutes	Sept. 3, 1902
1.52	30 minutes	July 8, 1891	1.11	34 minutes	Sept. 23, 1902
1.26	1 hour	Nov. 9, 1891	1.00	30 minutes	Oct. 3, 1902
2.40	do	May 27, 1892	1.00	46 minutes	Feb. 16, 1903
1.45	do	June 2, 1892	1.00	39 minutes	July 11, 1903
1.19	36 minutes	July 31, 1892	1.47	42 minutes	July 30, 1903
1.00	1 hour	Feb. 27, 1893	1.10	22 minutes	Aug. 16, 1903
1.04	do	July 20, 1893	1.55	42 minutes	Aug. 11, 1904
1.00	do	Aug. 12, 1893	2.02	34 minutes	Sept. 22, 1904
1.00	do	Dec. 29, 1893	1.00	46 minutes	Sept 22-23, '04
1.12	35 minutes	Mar. 16, 1894	1.00	55 minutes	May 25, 1905
1.02	1 hour	Mar. 22, 1894	1.16	32 minutes	May 25, 1905
1.00	40 minutes	Apr. 9, 1894	1.08	33 minutes	July 10, 1905
2.00	1 hr and 15 m.	Apr. 17, 1894	1.00	54 minutes	Sept. 11, 1905
1.20	1 hour	June 19, 1894	1.00	45 minutes	Apr. 28, 1906
2.50	2 hours	Jan. 7, 1895	1.11	27 minutes	May 4, 1906
1.12	1 hour	Mar. 20, 1895	1.03	30 minutes	June 13, 1906
1.01	35 minutes	June 26, 1895	1.00	50 minutes	June 26, 1906
1.10	1 hour	July 4, 1895	1.22	52 minutes	July 18, 1906
1.75	do	June 6, 1896	1.21	19 minutes	Aug. 11, 1906
1.75	do	Aug. 8, 1896	3.73	1 hr and 3 m.	Aug. 13, 1906
		——, 1897	1.00	26 minutes	Aug. 14, 1906
		——, 1898	1.00	29 minutes	Sept. 4, 1906
1.15	1 hr and 1 m.	May 1, 1899	1.18	28 minutes	Sept. 19, 1906
1.01	42 minutes	July 27, 1899	1.00	58 minutes	Feb. 4, 1907
1.04	59 minutes	Aug. 15, 1899	1.00	51 minutes	Feb. 28, 1907
1.12	56 minutes	Dec. 11, 1899	1.00	28 minutes	Mar. 1, 1907
1.06	40 minutes	Apr. 11, 1900	1.12	30 minutes	Apr. 30, 1907
2.54	1 hr and 52 m.	Apr. 16, 1900	1.15	25 minutes	May 14, 1907
1.00	48 minutes	Apr. 23, 1900	1.03	34 minutes	July 2, 1907
2.68	47 minutes	June 2, 1900	1.56	40 minutes	Aug. 20, 1907
2.35	1 hr and 10 m.	June 8, 1900	1.12	27 minutes	Feb. 14, 1908
1.30	1 hr and 15 m.	June 20, 1900	3.28	2 hrs and 9 m.	May 5, 1908
1.96	47 minutes	June 23, 1900	1.00	49 minutes	June 3, 1908
1.32	31 minutes	Aug. 29, 1900	1.13	45 minutes	July 4, 1908
1.07	27 minutes	Nov. 19, 1900	1.00	1 hour	Aug. 2, 1908

Excessive precipitation (2.50 inches or more in 24 consecutive hours)

[Meridian—Lauderdale County]

Amount	Year	Date	Amount	Year	Date
3.26	1889	Sept. 5	2.88	1900	June 23-24
2.94	1890	Feb. 7-8	2.76	1901	Apr. 17-18
4.86	1891	Mar. 7-8	3.76	1901	Aug. 15-16
3.30	1891	Mar. 25-26	2.79	1901	Dec. 27-28
3.67	1891	June 8-9	6.21	1902	Mar. 26-27
3.49	1891	July 8-9	3.06	1902	Sept. 2-3
3.15	1891	Nov. 9	2.74	1902	Oct. 10-11
2.66	1891	Dec. 14-15	2.85	1903	Jan. 10-11
3.04	1892	Jan. 12	4.47	1903	Feb. 15-16
2.73	1893	May 2-3	4.19	1904	Sept. 22-23
3.42	1893	Sept. 8-9	3.05	1905	Jan. 11-12
3.27	1893	Dec. 29	4.96	1905	Feb. 7-8
4.41	1895	Jan. 7-8	2.73	1905	Apr. 24-25
2.55	1895	Dec. 25-26	2.85	1905	May 25-26
3.21	1896	Apr. 13-14	5.77	1906	Mar. 18-19
3.97	1897	Aug. 9	2.85	1906	May 4
3.04	1899	July 26-27	4.95	1906	Aug. 13-14
3.07	1899	Dec. 10-11	5.55	1906	Sept. 26-27
2.56	1900	Feb. 12	3.68	1907	Feb. 28
9.50	1900	Apr. 16-17	3.42	1907	May 14
2.82	1900	June 2-3	3.32	1908	Feb. 13-14
2.63	1900	June 8	4.04	1908	May 5
3.69	1900	June 12-13	2.82	1908	June 3-4
3.17	1900	June 20-21			

Hydrographic Data for Section 80

Compiled from the records of the United States Geological Survey

By R. H. BOLSTER, *Assistant Engineer*

Preliminary Note: Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section comprises Pascagoula River drainage on the east, Pearl River drainage in the central portion, and minor eastern tributaries of the lower Mississippi River on the west.

Pascagoula River, a navigable river of Mississippi, is formed by the Chickasawhay and Leaf Rivers, which unite in the south part of Greene County. It runs southward through Jackson County, and enters the Gulf of Mexico after a course of nearly 85 miles.

Pearl River rises in the east part of Mississippi. It flows southwestward to the city of Jackson. Below this point it flows nearly southward, and discharges into Lake Borgne, an arm of the Gulf of Mexico. Its length is estimated at 400 miles, and it forms a part of the boundary between Louisiana and Mississippi. In the last half of its course this stream traverses a level and sandy country.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given, first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month during the entire period covered by the table. The two remaining columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in the average month, if all the water flowing from it during that month were conserved and uniformly distributed on the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly discharge of Pearl River, near Jackson, Miss., for 1903-1908

[Drainage area, 3,120 square miles]

Month	Discharge in second-feet				Run-off
	Maximum	Minimum	Mean	Per square mile	Depth in inches on drainage area
January	10 200	216	3 500	1.12	1.29
February	26 000	375	9 780	3.13	3.26
March	26 000	475	8 890	2.85	3.29
April	24 100	407	5 420	1.74	1.94
May	23 700	178	6 180	1.98	2.28
June	6 810	133	1 110	0.356	0.40
July	2 920	194	766	0.246	0.28
August	13 500	257	1 540	0.494	0.57
September	12 700	136	565	0.181	0.20
October	26 600	80	2 700	0.865	1.00
November	2 140	80	380	0.122	0.14
December	3 740	98	1 070	0.343	0.40
The period	26 600	80	3 490	1.12	15.06

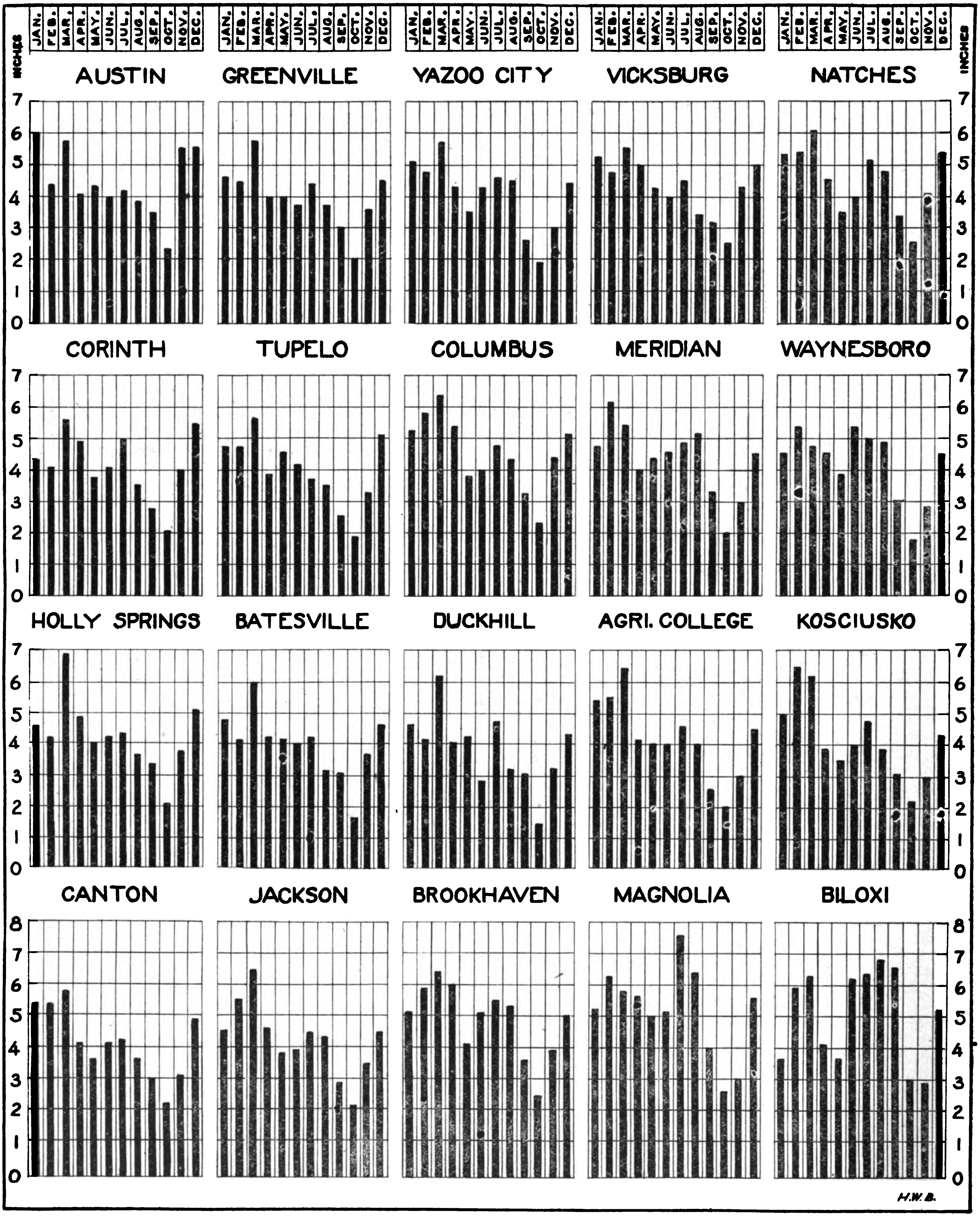


FIG. 1—Diagrams showing the comparative monthly distribution of precipitation

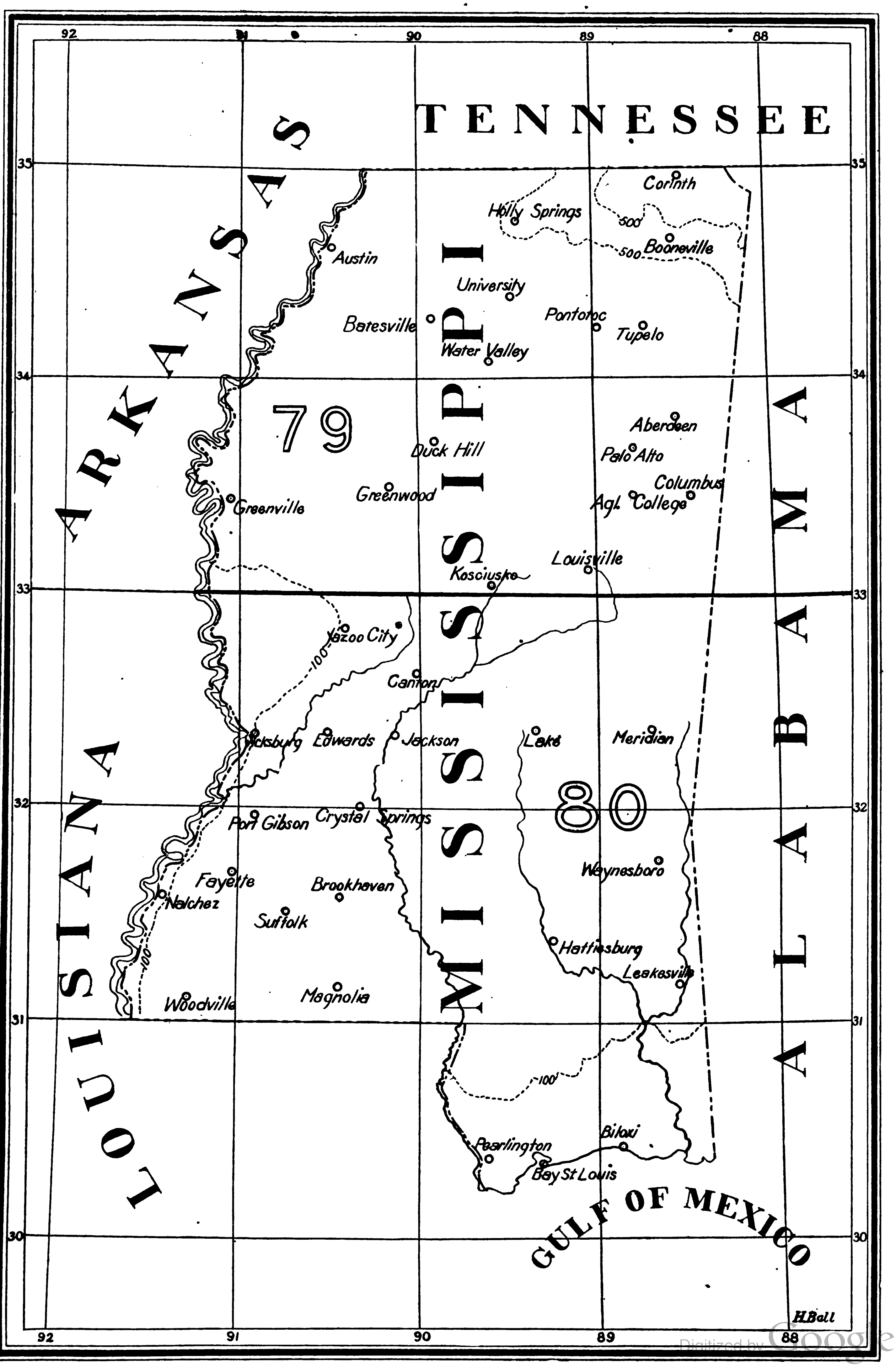


FIG. 2—Chart showing the principal points of observation, the drainage basins, and the general elevation of southern Mississippi

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, PROF. FRANK H. BIGELOW, in charge.

SECTION 81.—NORTHERN AND WESTERN ALABAMA.

The territory covered by this summary embraces nearly all of the northwestern half of Alabama, comprising an area of approximately 25,000 square miles.

Generally speaking, the surface of this area slopes to the westward and southward from its highest portion which lies in the northeastern part. A curved line drawn from the northwestern extremity of Alabama southward and eastward through the middle of the area would mark approximately the southern boundary of the portion whose altitude is above 600 feet. From this line northeast, the altitude increases to from 1,600 to 1,800 feet in the mountains of the northeastern portion of the State. From the 600-foot level the elevation gradually decreases westward towards the Mississippi Valley and southward towards the Gulf coast.

The northern portion of the section is drained by the Tennessee River, and the middle and southern portions by the Warrior and Tombigbee rivers.

The northern half of this territory is traversed by a number of valleys, the restricted width of which offers excellent facilities for impounding water for maintaining the stream flow of the navigable rivers during ordinary low water periods. The underground water supply is abundant, and there are many flowing artesian wells in the middle portion of the area under discussion.

The northern portion of this region abounds in iron and coal of excellent quality, while the rivers of the middle portion cleave vast deposits of the finest material for the manufacture of portland cement. The timber resources of the middle and southern portions are also large.

The soil of the entire area under discussion is very fertile, particularly in the middle district. While cotton and corn are the chief agricultural products, a great diversity of crops are grown, embracing nearly all of the field and orchard crops common to the temperate zone. Owing to the long growing season, two, and sometimes three minor crops are raised on the same soil in a year.

CLIMATIC CHARACTERISTICS.

The climate is quite uniform. Extremes of temperature are rare. The summers, while long, are not extremely hot, and even in mid-summer the nights are, as a rule, comfortable. Severe cold weather seldom occurs, and freezing temperature rarely continues longer than 48 hours. There is an abundance of sunshine during the crop-growing months, though the winter and early spring are sometimes marked by prolonged periods of cloudiness and heavy to excessive rains, the latter being mostly due to the passage of storm centers across the middle Mississippi Valley. Still, even the winter months provide a goodly amount of sunshine. The heavy rains of the late winter and early spring at times cause very decided rises in the rivers.

During the winter and spring months, high winds are likely to occur throughout this region, but during the summer and autumn, destructive windstorms rarely occur.

P. H. SMYTH, *Section Director.*

Precipitation in northern and western Alabama. Monthly, annual and average amounts (in inches and hundredths).

[Figures in bold-face type interpolated.]

BIRMINGHAM, JEFFERSON COUNTY, ALA.
Elevation, 700 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882	**13.70**	**6.90**	**5.21**	5.67	3.94	14.41	**2.58**	4.15	3.12	3.48	**5.15**	**1.95**	70.24
1883	**7.10**	**4.60**	**4.30**	11.22	2.52	3.17	0.77	5.56	**1.00**	0.06	**3.70**	**2.98**	46.98
1884	**7.28**	**8.90**	**7.78**	6.87	0.42	4.43	5.29	1.74	0.10	1.01	**2.24**	**4.82**	50.88
1885	**7.80**	**4.75**	**2.78**	**6.62**	6.48	3.49	3.96	3.31	6.97	2.33	**5.05**	3.40	56.94
1886	7.07	2.59	11.51	5.19	2.80	6.02	2.25	4.43	**1.64**	**0.52**	**6.01**	**3.16**	53.19
1893	**3.08**	**8.19**	**3.26**	2.55	**6.87**	3.25	2.44	4.61	5.67	0.55	2.13	3.06	45.66
1894	8.49	**4.49**	**4.44**	4.48	3.27	2.80	4.20	4.76	**3.41**	**1.01**	**0.78**	**4.55**	46.68
1895	**7.66**	**2.17**	**7.75**	3.27	3.93	2.99	6.10	3.19	1.27	2.75	2.13	5.44	48.65
1896	3.40	4.39	4.41	4.87	3.19	4.29	3.35	2.26	0.68	1.28	3.80	1.07	36.99
1897	4.35	4.03	6.98	5.09	3.93	3.63	6.16	4.49	1.15	0.56	0.84	6.52	47.73
1898	5.18	1.15	3.70	4.71	0.11	4.35	5.77	8.57	1.05	4.55	5.28	2.17	46.59
1899	5.26	4.48	6.43	4.69	3.23	2.59	7.61	2.15	0.04	1.53	3.27	7.20	48.48
1900	5.20	6.17	6.75	13.06	2.29	12.09	7.88	1.99	3.75	7.18	5.84	4.01	76.21
1901	5.00	3.64	5.81	4.94	4.51	1.91	5.34	13.83	5.59	0.23	1.72	9.07	61.59
1902	3.79	6.64	10.41	4.52	3.29	1.76	2.21	3.53	3.76	4.60	4.46	5.44	54.41
1903	2.90	15.86	5.74	2.27	3.65	3.40	7.13	3.65	0.97	2.63	0.42	1.92	50.54
1904	3.84	2.14	3.33	2.02	2.19	3.53	5.22	2.78	0.44	0.24	3.54	5.05	34.32
1905	5.59	7.01	2.59	4.04	5.86	3.91	4.57	7.54	0.76	1.50	2.21	5.21	50.79
1906	3.75	1.88	10.49	1.31	4.97	4.54	8.18	6.34	13.19	3.48	1.99	4.62	64.74
1907	3.96	4.27	2.44	6.51	10.54	1.67	5.42	2.58	7.03	0.95	5.22	4.00	54.59
1908	4.15	4.90	4.14	4.05	6.60	1.24	3.51	1.06	0.75	1.22	1.07	6.83	39.52
M'ns	5.65	5.20	5.72	5.14	4.03	4.26	4.76	4.41	2.97	1.98	3.18	4.40	51.70

CORDOVA, WALKER COUNTY, ALA.
Elevation, 334 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890	**3.94**	**6.52**	**6.07**	**3.16**	**3.55**	**2.08**	**5.78**	**4.84**	**6.59**	**3.16**	**0.20**	**3.53**	49.42
1891	4.73	8.20	10.46	1.31	0.57	5.49	7.35	4.93	3.00	0.75	6.23	6.71	59.73
1892	7.49	2.50	4.63	8.70	2.72	5.72	6.96	7.26	4.63	0.11	5.74	4.80	61.26
1893	2.69	6.33	2.27	4.21	7.20	7.96	3.69	1.40	4.14	0.93	3.59	4.35	48.76
1894	5.48	5.39	4.13	6.63	2.05	2.80	3.56	7.95	2.54	1.40	0.36	5.63	47.92
1895	8.61	2.01	9.15	4.68	3.48	4.01	5.95	5.05	3.41	3.19	3.60	4.21	57.35
1896	3.30	5.49	4.00	4.53	5.09	3.21	3.92	3.56	1.92	1.64	3.82	1.39	41.87
1897	5.23	5.10	10.27	4.60	3.99	1.17	**4.62**	**5.51**	**0.44**	**2.43**	**0.88**	**12.13**	56.37
1898	**7.65**	**0.95**	**4.25**	**5.67**	**0.27**	**5.14**	**7.19**	**6.48**	**2.49**	**3.49**	**4.78**	**2.87**	51.23
1899	**6.10**	**6.08**	**7.25**	**2.74**	**3.62**	**2.16**	**5.92**	**2.48**	**0.16**	**1.52**	**5.45**	**6.61**	50.09
1900	**4.02**	**6.43**	**6.39**	**12.14**	**3.12**	**12.79**	**7.02**	**3.28**	**4.45**	**7.12**	**4.30**	**4.08**	75.14
1901	**5.99**	**4.06**	**6.10**	**5.15**	**5.75**	**2.25**	2.98	12.20	7.40	0.50	0.17	5.37	57.92
1902	4.02	6.40	10.23	3.76	**2.10**	1.00	0.51	2.49	2.37	2.50	2.55	5.30	43.23
1903	4.33	12.01	3.57	2.81	5.16	2.87	3.88	1.64	0.81	4.36	1.27	1.95	44.66
1904	4.30	1.82	5.00	3.51	2.67	5.43	4.87	3.72	1.62	0.55	5.36	4.59	43.44
1905	5.73	7.01	3.24	5.40	3.02	6.80	6.72	6.30	2.98	4.47	1.68	3.96	57.31
1906	6.23	3.27	9.44	1.46	4.59	2.67	7.22	3.41	4.72	2.77	2.53	5.78	54.09
1907	2.75	4.61	2.07	7.53	10.06	2.93	3.45	**3.11**	3.11	1.62	5.48	4.92	51.64
1908	4.74	6.65	5.35	5.62	6.78	3.90	6.69	3.07	T.	2.39	1.76	7.10	54.05
M'ns	5.13	5.31	5.94	4.93	3.99	4.23	5.23	4.66	2.99	2.36	3.14	5.01	52.92

DECATUR, MORGAN COUNTY, ALA.
Elevation, 573 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1879	7.00	3.30	8.10	4.65	3.31	3.40	1.40	1.60	1.90	2.40	3.80	2.80	43.66
1880	6.88	2.45	13.85	8.85	2.75	0.85	4.30	3.10	3.17	2.65	3.70	4.60	57.14
1881	1.70	4.35	5.75	5.30	3.95	1.30	1.00	1.90	3.20	3.55	5.55	5.65	43.20
1882	13.70	6.90	5.21	4.85	2.95	2.00	6.19	4.81	1.00	2.30	5.15	1.95	57.01
1883	7.10	4.60	4.30	5.67	3.42	4.04	5.00	3.88	0.88	7.00	3.70	2.95	52.54
1884	7.28	8.90	6.55	5.35	0.85	4.25	6.95	2.25	0.80	1.70	2.10	3.70	50.68
1885	7.65	4.10	2.40	3.45	5.90	5.10	2.90	2.85	2.75	2.90	5.55	1.25	46.80
1886	6.70	3.55	8.40	3.40	3.95	5.74	1.43	1.54	3.25	0.05	8.75	2.50	49.26
1887	6.80	6.85	2.80	3.15	2.49	4.31	5.20	1.99	2.03	3.95	0.80	4.00	44.37
1888	6.95	3.15	7.05	1.75	3.85	3.25	2.23	6.85	2.05	0.90	0.95	0.80	41.78
1889	4.45	4.35	2.70	1.55	2.00	3.12	12.63	3.88	9.23	0.66	4.15	1.10	49.82
1890	4.47	8.54	4.91	3.15	5.37	2.31	3.05	4.22	5.48	2.06	0.18	2.47	46.21
1891	7.02	9.36	9.43	4.44	1.23	5.24	5.38	2.33	0.87	0.39	7.23	6.06	58.98
1892	5.56	5.31	4.17	11.14	2.71	2.84	7.50	6.39	5.01	0.29	5.60	5.47	61.99
1893	2.49	5.87	3.26	8.41	8.16	5.11	3.52	1.82	4.61	1.12	1.39	3.32	49.08
1894	6.18	6.44	5.59	2.73	1.74	1.83	4.13	5.13	2.08	1.14	0.70	4.01	41.70
1895	7.61	1.51	7.66	2.21	7.58	1.78	6.99	3.60	3.94	1.61	1.31	6.27	52.07
1896	1.82	6.74	4.81	4.20	4.09	3.07	2.26	1.30	3.94	1.06	7.60	1.69	42.58
1897	3.85	4.13	15.81	4.55	3.30	1.37	3.67	1.82	0.00	2.75	1.54	8.83	51.62
1898	6.46	1.13	3.92	3.65	1.29	1.65	5.24	3.17	3.55	4.72	3.37	2.04	40.19
1899	6.36	6.64	10.80	2.41	1.17	2.22	5.31	3.62	0.11	1.52	4.57	6.67	51.40
1900	3.45	4.12	4.92	7.65	3.09	11.51	6.14	2.95	1.96	5.94	3.87	2.66	58.26
1901	5.47	2.39	6.41	5.19	3.63	2.97	0.72	10.33	6.80	1.15	1.88	6.41	53.35
1902	4.23	4.08	6.38	2.02	1.28	3.69	1.94	1.28	2.46	3.07	5.71	4.80	40.94
1903	3.52	11.03	4.53	3.12	5.27	2.19	2.47	4.49	0.58	2.73	2.50	2.14	44.57
1904	1.90	1.25	7.60	2.78	3.04	1.51	5.39	2.91	1.60	0.30	1.92	4.50	34.70
1905	3.29	7.35	4.52	3.41	3.55	4.75	3.90	5.28	2.97	7.27	1.30	5.10	52.75
1906	6.90	1.15	6.82	0.73	4.09	2.31	9.21	2.04	4.95	4.33	2.63	3.59	48.75
1907	1.04	6.39	3.75	3.24	8.44	3.07	1.68	3.02	5.03	1.96	3.60	3.37	44.59
1908	2.63	5.89	5.32	3.00	7.01	4.01	2.06	3.09	2.67	1.55	1.16	6.84	45.23
M'ns	5.33	5.06	6.26	4.20	3.75	3.36	4.33	3.45	2.96	2.41	3.41	3.98	48.50

DEMOPOLIS, MARENGO COUNTY, ALA.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1887	3.55	5.02	1.29	1.62	4.78	1.00	4.01	4.20	4.26	4.00	[illegible]	[illegible]	43.73
1893	1.00	7.06	4.37	1.20	9.71	3.05	2.73	4.46	3.84	0.50	3.00	3.85	44.77
1894	3.80	7.72	4.28	3.30	1.30	1.04	2.75	4.22	1.05	0.44	1.01	5.13	36.04
1895	7.34	2.19	6.17	3.52	3.53	5.87	4.17	4.30	0.39	1.78	0.68	3.32	43.26
1896	4.59	4.78	5.91	7.10	4.89	8.43	1.95	0.60	2.42	2.02	3.67	0.70	47.06
1897	2.46	6.75	7.10	3.15	0.80	1.43	5.73	5.50	0.25	0.15	2.80	5.81	41.92
1898	2.77	1.64	2.35	3.70	0.10	6.72	8.72	7.25	2.56	3.83	5.38	2.66	47.68
1899	6.69	7.47	2.81	1.29	1.80	2.58	4.67	2.08	0.21	1.29	2.07	5.59	38.55
1900	3.80	9.77	5.31	14.12	2.43	10.79	1.58	4.06	4.28	4.42	2.34	4.20	67.10
1901	4.01	6.23	5.17	5.81	5.47	3.25	2.67	7.86	4.54	0.35	2.87	7.54	55.77
1902	3.87	5.10	7.96	2.56	2.56	1.16	1.25	4.63	3.31	5.03	3.16	5.38	45.97
1903	3.96	9.59	4.82	1.90	5.54	5.24	1.90	4.54	1.58	0.72	0.92	2.98	43.69
1904	4.92	4.10	3.78	1.78	2.16	3.28	3.48	3.77	0.26	0.02	3.10	4.08	34.73
1905	7.28	8.20	3.32	4.49	5.66	2.98	3.62	6.70	1.22	4.26	1.90	6.30	55.93
1906	4.30	2.46	15.78	1.12	5.14	2.60	8.28	0.78	8.69	3.32	1.10	4.46	58.03
1907	1.78	7.82	4.88	8.50	13.45	2.99	5.98	1.80	9.08	0.76	4.72	5.78	67.54
1908	3.78	7.37	4.28	4.28	8.13	4.00	8.24	3.98	1.40	1.88	0.64	3.40	51.38
M'ns	4.11	6.08	5.27	4.08	4.56	3.91	4.20	4.16	2.90	2.05	2.34	4.75	48.41

GREENSBORO, HALE COUNTY, ALA.
Elevation, 220 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1855	1.33	1.44	1.64	0.59	1.79	3.99	1.68	6.41	6.29	1.45	5.24	5.75	37.60
1856	3.52	2.60	6.16	3.95	5.23	6.37	1.91	2.75	0.58	0.44	12.99	5.73	52.23
1857	5.17	2.21	3.34	3.43	8.55	1.71	4.73	2.46	0.84	1.49	6.04	7.99	47.96
1858	9.29	3.58	3.15	4.55	3.26	1.11	0.91	3.88	0.14	2.67	3.19	7.87	43.60
1859	4.29	6.33	7.00	6.27	1.96	2.65	7.20	3.93	5.52	1.56	1.95	4.79	53.45
1860	2.16	6.13	0.91	2.63	1.41	3.35	4.06	11.61	3.90	4.52	7.77	6.36	54.81
1861	4.85	6.21	3.02	2.88	2.32	2.51	4.41	13.18	1.79	2.31	3.87	2.58	49.93
1862	8.39	9.76	5.12	7.16	1.29	1.74	0.36	1.00	4.14	0.58	0.53	3.09	43.16
1863	7.50	9.51	6.13	3.70	1.93	4.61	1.83	5.84	0.48	2.85	2.85	7.39	54.62
1864	2.45	1.75	9.15	2.74	1.32	7.73	2.04	3.84	6.79	4.30	6.31	5.20	53.62
1865	4.85	13.09	6.11	5.90	1.02	1.37	2.14	5.22	2.74	2.08	2.94	8.44	55.90
1866	3.05	7.05	2.73	7.38	7.36	6.31	3.06	5.22	2.74	2.13	4.41	3.78	55.22
1867	1.86	1.67	9.55	5.67	3.85	4.52	3.06	5.22	2.74	1.92	2.77	5.11	47.94
1885	8.94	3.33	2.92	3.17	5.88	4.00	2.51	2.25	1.84	1.37	7.32	5.33	48.84
1886	10.15	5.34	11.72	6.97	2.86	6.73	5.86	7.31	0.54	1.50	4.53	2.11	65.71
1888	5.39	4.38	11.20	2.16	2.35	4.14	3.37	9.29	7.93	4.40	3.13	2.15	59.89
1889	5.40	2.06	1.52	6.62	0.61	3.37	4.52	2.98	1.91	0.37	4.13	2.19	35.68
1890	3.42	6.47	5.65	3.16	4.58	2.68	5.38	1.46	8.98	0.91	0.91	3.37	46.97
1891	6.75	8.15	8.86	1.75	2.02	3.61	4.82	0.31	1.70	0.23	5.17	5.03	48.40
1892	7.56	2.86	5.64	1.96	3.88	4.58	10.37	5.53	2.17	0.23	3.06	4.56	52.40
1893	2.42	8.46	3.36	0.88	11.85	3.10	2.20	7.72	3.12	1.28	3.22	5.30	52.91
1894	4.91	5.61	4.94	3.32	1.44	0.74	2.90	7.37	3.46	0.65	1.03	5.38	41.75
1895	8.70	3.37	6.40	2.76	3.94	4.32	2.76	5.64	1.67	1.25	1.64	3.91	46.36
1896	4.44	4.66	4.36	5.64	3.07	6.15	2.39	2.35	0.35	2.55	2.92	0.98	39.86
1897	5.74	5.70	6.54	4.24	1.09	2.23	6.61	3.70	0.74	1.96	1.73	6.05	46.33
1898	2.37	1.77	1.99	3.81	1.88	5.97	4.55	5.06	2.63	2.96	5.82	2.76	41.57
1899	6.44	6.17	6.74	2.74	3.19	2.39	4.43	1.89	0.50	0.87	1.75	6.02	43.13
1900	3.19	10.26	4.62	12.95	1.57	8.34	2.29	3.61	4.66	7.97	4.25	5.27	68.98
1901	4.34	4.58	5.23	6.28	6.09	2.24	3.09	5.63	4.02	0.25	2.59	7.63	51.97
1902	4.61	5.28	12.69	2.04	4.91	0.35	2.01	3.36	3.84	5.90	2.89	5.91	53.79
1903	3.50	9.27	4.22	1.31	14.81	5.84	3.67	4.09	1.17	0.85	0.54	3.03	52.30
1904	5.08	4.02	2.82	1.65	3.00	1.19	6.93	2.78	0.72	0.08	3.03	3.77	35.67
1905	6.98	7.20	3.43	4.21	4.13	2.91	2.23	9.21	1.80	4.40	1.43	7.56	55.49
1906	4.47	2.43	13.81	1.14	4.69	2.79	5.05	2.51	6.87	4.78	1.96	4.30	54.83
1907	2.37	5.48	2.92	9.71	8.73	2.63	6.80	2.39	5.74	1.50	5.13	7.02	60.42
1908	3.89	5.85	4.31	3.13	6.55	3.26	4.59	5.05	2.05	1.74	1.17	3.09	44.68
M'ns	4.97	5.41	5.55	4.13	4.01	3.65	3.80	4.72	2.98	2.12	3.61	4.91	49.86

FLORENCE, LAUDERDALE COUNTY, ALA.
Elevation, 563 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1884	7.28	8.88	6.55	6.27	1.88	3.96	5.40	2.21	0.91	1.31	2.10	6.53	53.11
1885	7.41	2.79	2.57	1.91	5.71	5.26	3.11	1.77	6.29	3.00	4.93	2.27	47.12
1886	5.83	2.20	3.99	5.26	4.95	9.00	1.67	3.30	6.48	0.38	6.69	3.81	53.56
1887	4.59	7.06	3.84	2.69	1.46	4.26	3.51	3.94	3.56	4.00	1.00	6.04	45.95
1888	5.42	3.79	8.66	2.48	3.76	6.49	2.23	9.67	1.68	3.61	3.09	1.86	52.74
1889	3.41	4.37	2.79	1.49	2.43	4.35	9.40	5.01	6.40	0.38	4.28	1.10	45.49
1890	4.47	8.54	4.91	3.25	5.37	2.42	3.26	7.30	7.87	2.04	0.27	2.47	52.17
1891	3.00	10.59	11.80	4.43	1.45	4.76	6.56	1.29	0.57	0.18	5.98	4.50	55.11
1892	4.74	5.58	4.36	16.07	3.46	3.68	10.24	6.24	3.74	0.25	5.37	4.45	68.18
1893	2.99	5.73	2.18	9.95	10.28	5.17	2.71	1.21	4.88	0.45	1.95	3.32	50.82
1894	6.18	6.44	5.59	2.73	2.60	1.01	3.50	10.60	2.78	0.55	0.92	3.42	46.32
1895	8.34	1.43	7.10	3.13	2.50	3.26	5.88	3.35	2.99	1.92	1.67	5.27	46.84
1896	2.28	8.20	6.51	4.16	2.98	4.17	3.78	2.65	1.78	1.83	6.27	1.45	46.06
1897	4.05	2.84	16.15	5.00	2.19	0.60	3.18	3.82	0.00	2.07	1.82	8.36	50.08
1898	7.29	1.67	4.38	3.16	2.22	2.01	5.52	4.34	2.05	2.33	3.62	2.09	40.68
1899	5.96	6.18	8.67	1.89	1.39	1.85	3.65	0.70	0.96	1.11	2.83	8.49	43.68
1900	3.39	3.88	3.16	9.39	5.72	13.87	4.48	1.63	2.08	5.79	3.03	2.92	59.34
1901	5.66	2.70	4.45	3.98	2.32	5.15	2.17	10.32	6.50	0.94	1.16	4.43	49.78
1902	5.80	3.29	6.76	2.50	0.47	4.02	3.56	3.29	5.28	2.05	5.79	5.75	48.56
1903	5.11	8.01	6.29	2.85	6.90	9.31	4.66	1.00	0.89	1.26	2.53	3.91	52.72
1904	2.94	1.28	5.95	3.24	4.47	4.34	6.33	1.38	2.67	0.10	3.52	5.49	41.71
1905	5.28	6.19	3.41	3.52	4.87	5.72	3.76	4.14	4.13	5.02	0.88	4.93	51.85
1906	3.45	1.38	5.32	2.36	3.37	2.77	8.91	2.55	5.51	3.83	3.61	4.05	47.14
1907	3.24	4.93	3.40	5.15	7.19	4.08	6.12	1.99	4.09	1.91	4.63	4.88	51.61
1908	4.57	5.47	5.37	5.55	5.14	4.35	4.11	1.55	2.25	0.55	1.64	4.41	44.96
M'ns	4.91	4.94	5.76	4.50	3.80	4.64	4.71	3.80	3.46	1.88	3.16	4.25	49.81

HAMILTON, MARION COUNTY, ALA.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1896	2.88	6.14	5.13	3.05	4.44	4.01	3.28	0.28	1.71	4.37	4.05	0.81	40.15
1897	5.51	3.73	15.48	4.01	2.09	2.82	2.94	3.49	T.	2.77	1.30	11.20	55.34
1898	8.04	1.49	3.94	5.22	1.24	2.26	4.02	2.95	3.97	4.09	3.52	1.51	42.25
1899	6.59	8.73	9.17	2.34	0.53	2.09	4.36	3.69	0.12	1.51	6.29	6.74	52.16
1900	2.78	5.36	5.78	8.81	4.53	14.08	8.29	3.35	5.00	4.89	3.85	2.81	69.53
1901	6.48	5.15	6.10	5.45	6.66	1.21	2.81	6.52	4.28	1.23	2.12	5.57	53.58
1902	4.74	3.37	8.39	4.88	0.41	1.32	1.80	5.44	3.97	1.65	5.93	5.34	47.24
1903	4.45	9.02	5.99	1.97	6.27	4.76	1.32	2.75	0.69	1.49	2.17	3.11	43.99
1904	3.60	1.85	5.87	3.16	2.85	2.17	2.42	3.52	1.51	0.55	3.35	4.06	34.71
1905	5.02	5.15	4.02	5.49	3.07	3.52	4.81	9.24	2.60	3.85	2.64	5.70	55.11
1906	3.09	2.17	13.38	0.79	4.80	1.87	6.88	3.79	7.56	6.67	3.52	4.33	58.85
1907	1.77	3.82	4.63	5.07	7.64	2.92	4.16	1.90	3.25	2.09	5.28	4.43	46.96
1908	5.10	6.34	7.32	3.73	7.53	4.74	5.36	4.54	2.25	0.63	1.28	8.72	57.54
M'ns	4.62	4.78	7.32	4.15	4.00	3.68	4.03	3.96	2.84	2.75	3.48	4.95	50.56

HEALING SPRINGS, WASHINGTON COUNTY, ALA.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1892	8.84	2.70	11.59	4.56	4.75	5.60	7.46	5.41	3.45	2.46	2.72	6.43	65.97
1893	5.22	6.11	2.96	3.35	11.47	7.43	12.22	6.82	5.53	3.10	5.20	2.77	72.18
1894	3.34	8.24	5.18	1.91	1.93	2.67	5.23	7.51	6.18	0.48	0.52	7.17	50.36
1895	7.06	2.48	6.51	2.06	4.35	7.82	6.15	5.46	0.20	2.36	1.57	3.38	49.40
1896	8.71	6.52	5.08	2.65	6.13	8.06	4.21	2.42	1.79	2.32	2.09	4.77	54.75
1897	4.46	12.05	5.95	3.33	2.14	2.50	9.04	10.29	0.57	0.41	2.56	6.89	60.19
1898	2.75	4.15	1.82	3.35	1.02	5.53	6.71	11.30	8.10	2.08	9.78	5.20	61.59
1899	5.98	4.91	3.40	0.76	1.77	3.66	4.71	3.49	0.32	1.58	3.99	4.69	39.26
1900	4.63	10.91	4.98	11.39	1.38	8.95	6.66	3.91	8.23	3.03	2.60	5.44	72.11
1901	4.89	4.99	5.26	6.32	3.81	3.56	1.72	10.07	2.29	1.40	1.54	6.01	51.86
M'ns	5.59	6.37	5.25	3.91	3.88	5.58	6.41	6.67	3.67	1.92	3.26	5.28	57.79

LIVINGSTON, SUMTER COUNTY, ALA.
Elevation, 160 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1884	4.52	4.88	5.47	2.19	3.51	5.41	5.77	4.89	0.43	1.26	2.40	4.82	45.47
1885	8.94	3.33	2.92	3.17	3.68	4.00	0.25	2.74	3.52	3.37	7.32	5.33	48.57
1886	10.15	5.34	11.72	4.23	4.55	6.14	3.55	2.30	0.68	0.76	3.78	2.48	55.68
1887	3.22	4.25	1.54	2.69	6.20	1.85	4.92	2.68	2.60	4.93	0.35	9.65	44.88
1888	4.33	4.03	10.99	0.97	3.38	4.87	2.09	10.89	5.33	3.48	2.13	3.46	59.95
1889	4.47	2.41	2.08	4.03	0.69	6.42	6.80	2.35	1.22	0.19	4.67	4.05	39.38
1890	1.67	6.72	4.73	3.06	4.15	4.50	3.08	3.71	5.88	2.82	0.67	1.59	42.58
1891	7.46	6.68	9.90	1.94	2.24	2.50	6.75	0.96	0.87	T.	5.48	5.46	50.24
1892	7.34	2.43	6.10	2.41	4.92	5.20	10.45	4.74	0.67	0.18	2.69	5.01	52.14
1893	2.06	9.39	3.71	0.91	8.43	3.35	3.89	8.51	6.61	0.77	2.98	6.02	56.63
1894	3.48	6.08	4.57	4.59	1.44	0.96	4.10	5.34	2.47	0.33	1.38	5.61	40.35
1895	7.37	2.03	5.25	3.94	3.98	5.84	3.45	3.00	0.70	1.42	0.46	4.84	42.34
1896	3.84	4.00	5.86	5.88	1.25	4.14	2.69	1.30	1.25	2.48	4.42	0.35	37.46
1897	4.71	5.89	4.29	3.71	0.47	0.94	3.37	5.57	0.10	0.57	2.58	4.43	36.63
1898	2.50	2.18	2.56	3.60	0.07	5.74	7.22	3.82	2.99	2.61	5.99	3.33	42.61
1899	1.66	4.72	5.28	2.03	1.71	3.06	6.02	3.95	0.36	1.21	4.00	5.04	39.04
1900	2.42	6.49	6.61	17.17	1.53	13.91	3.17	1.41	2.46	4.53	3.52	3.69	66.91
1901	2.26	3.27	1.39	4.55	3.28	2.04	3.27	6.54	1.10	0.42	1.47	5.78	35.37
1902	2.36	3.11	10.31	1.76	2.39	2.45	1.22	0.78	4.17	3.50	3.40	5.67	41.12
1903	3.96	15.47	3.93	1.25	4.20	9.17	4.52	2.50	1.24	2.23	3.02	2.87	54.36
1904	4.26	4.44	2.92	2.12	2.66	1.75	6.52	5.47	0.68	0.63	2.76	4.33	38.54
1905	6.04	7.85	3.02	5.25	4.16	4.83	4.44	5.15	0.57	5.54	1.09	6.44	54.38
1906	5.45	2.36	12.39	1.57	6.44	3.24	5.09	1.95	7.78	4.28	1.23	2.82	54.60
1907	3.54	6.02	2.94	8.84	10.70	5.82	2.44	4.42	1.64	1.03	4.07	5.43	56.89
1908	3.22	8.98	3.78	2.70	6.73	3.40	4.55	5.08	0.67	1.83	0.63	3.11	44.68
M'ns	4.45	5.29	5.37	3.78	3.71	4.46	4.38	4.00	2.38	2.02	2.90	4.46	47.20

MADISON MADISON COUNTY, ALA.

Elevation, 573 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1894	4.30	4.98	3.83	3.05	0.65	2.25	5.81	4.12	2.02	1.41	0.73	5.04	38.19
1895	6.95	0.91	7.31	2.18	4.95	5.16	4.93	3.56	4.73	1.80	1 90	5.20	49.58
1896	1.86	6.85	4.64	4.51	3.93	4.48	3.41	0.59	3.71	1.29	3.84	1.29	40.40
1897	4.04	5.10	13.68	4.85	4.42	2.19	7.05	2.20	0.00	2.12	1.65	7.96	55.26
1898	6.14	1.43	3.42	4.35	1.39	0.93	6.64	4.75	1.88	5.09	2.93	2.38	41.33
1899	6.26	7.79	9.84	3.23	1.16	1.99	4.75	2.67	0.08	1.31	4.60	6.96	50.70
1900	4.03	5.35	3.51	11.69	3.82	13.03	2.95	1.82	2.85	6.63	3.78	2.46	61.92
1901	5.77	2.60	6.31	4.83	3.92	4.15	1.87	12.61	9.21	0.79	2.20	8.44	62.70
1902	3.22	4.60	5.70	2.50	0.92	1.15	0.60	2.04	3.32	3.70	6.10	4.05	37.90
1903	3.09	11.68	4.87	3.85	6.76	8.91	4.83	3.65	0.32	4.17	5.32	3.08	60.53
1904	3.22	1.60	8.50	2.99	2.71	2.54	4.87	3.82	2.29	0.20	3.56	5.54	41.85
1905	3.21	8.09	4.57	3.79	6.12	4.73	3.02	2.63	5.30	8.33	1.50	4.39	55.68
1906	6.37	1.44	7.03	0.25	3.43	2.70	5.76	1.53	12.48	4 12	3.04	3.91	52.06
1907	1.27	3.26	3.17	3.86	8.35	5.40	5.68	2.62	4.39	2.04	4.99	3.35	48.38
1908	3.70	5.94	4.54	4.31	6.72	2.21	3.70	2.71	2.89	1.35	1.54	6.11	45.52
M'ns	4.32	4.77	6.06	4.02	3.95	4.12	4.39	3.42	3.70	2.94	3.18	4.68	49.55

ONEONTA, BLOUNT COUNTY, ALA.

Elevation, 857 feet.

1894	7.73	7.36	2.72	3.94	1.92	6.28	3.97	4.53	2.64	0.45	T.	6.28	47.80
1895	7.97	2.79	7.35	2.35	5.24	4.52	5.74	3.70	0.45	2.52	1.08	2.31	40.02
1896	1.84	4.81	6.89	3.13	4.57	4.42	9.53	2.81	1.09	0.82	4.31	0.57	44.79
1897	5.14	7.24	10.23	3.55	1.51	2.59	3.69	3.41	0.12	0.88	0.82	7.68	46.86
1898	4.67	0.84	3.31	6.09	0.20	3.59	6.61	5.25	1.31	6.72	4 03	2.62	45.24
1899	0.14	7.19	9.32	4.17	2.95	2.29	8.16	1.14	2.02	1.48	3.99	4.79	53.64
1900	4.59	8.77	7.60	11.03	4.24	11.48	6.72	7.13	5 72	11.09	5.01	5.47	88.85
1901	6.76	4.27	8.68	5.53	8.00	3 18	4.24	10.45	4.17	0.70	2.02	10.23	68.23
1902	4.68	6.40	9.41	2.43	2.14	1.51	3.03	2.55	2.53	2.56	4.79	4.44	46.47
1903	2.85	14.42	5.46	5.54	8.63	3.29	5.56	3.84	0.08	2.76	0.89	2.17	56.09
1904	3.85	2.49	6.70	4.65	2.83	5.80	6.49	7.93	1.01	0.38	4.05	4.85	51.03
1905	5.60	6.97	2.60	4.06	5.37	7.74	5.34	5.85	3.66	3.43	2.07	6.12	58.81
1906	5.01	2.09	11.86	0.93	3.63	3.55	12.71	11.23	9.81	2.17	2.21	5.03	70.23
1907	2.13	5.59	2.93	5.13	10.17	2.59	4.60	5.27	9.14	1.77	5.68	4.87	59.87
1908	4.36	6.34	5.87	3.17	7.89	2.40	6.51	1.28	3.48	1.95	0.87	8.73	52.85
M'ns	4.85	5.84	6.73	4.38	4.62	4.35	6.20	5.10	3.19	2.65	2.79	5.08	55.78

PUSHMATAHA, CHOCTAW COUNTY, ALA.

1891	7.46	6.68	9.90	1.94	2.24	3.27	7.15	0.88	0.82	0.00	3.76	4.25	48.35
1892	7.94	4.20	8.41	2.58	8.94	3 54	10.46	4.09	1.25	0.57	2.91	5.72	60.61
1893	2.76	7.52	3.68	1.92	10.27	3.20	4.48	1.82	5.04	2.31	4.50	4.12	51.52
1894	4.82	7.65	5.11	5.08	2.88	1.47	3.26	6.29	3.67	0.11	0.78	4.65	45.77
1895	7.08	2.72	6.81	3.90	5.24	4.50	5.72	4.46	1.13	2.11	2.51	5.00	51.21
1896	4.67	6.66	5.44	11.30	3.02	8.34	1.20	1.86	1.84	3.19	3.17	1.50	52.19
1897	5.49	6.07	9.75	3.06	1.54	2.20	4.06	8.22	1.22	2.44	0.92	5.17	51.20
1898	3.55	3.24	2.51	4.01	0.40	3.60	6.06	8.20	4.64	3.88	6.93	4.58	51.60
1899	7.37	6.94	3.89	1.62	3.42	3.45	6.99	2.77	0.16	0.69	3.31	3.51	44.12
1900	3.22	9.11	4.71	13.87	3.73	14.60	1.38	1.71	4.71	4.74	2 34	4.70	68.88
1901	4.75	4.50	3.07	6.19	4.01	5.25	4.29	11.99	2.79	0.69	2.13	7.94	57.60
1902	5.65	3.42	8.11	2.75	1.91	1.15	4.72	5.18	4.53	4.10	4.34	5.66	51.52
1903	5.15	13.22	7.56	0.25	4.42	5.23	3 20	4.97	0.37	1.08	1.44	3.35	50.24
1904	4.09	6.08	3.16	3.22	2.26	3.19	5.27	3.85	0.69	0.13	3.29	5.55	40.78
1905	6.66	8.03	4.35	5.19	3.14	3.63	3.32	11.42	1.19	4.89	0.96	7.56	60.34
1906	4.72	2.41	11.48	1.28	9.18	3.05	5.37	4.12	7.84	6.95	2.41	4.18	63.00
1907	3.13	7.25	4.00	5.53	15.16	2.09	8.33	2.48	6.84	1.73	5.44	5.13	67.11
1908	4.63	9.82	3.69	5.21	9.22	7.57	4.68	2.41	2.69	0.76	1.14	2.97	54.79
M'ns	5.18	6.42	5.87	4.38	5.06	4.41	5 00	4.81	2.86	2.24	2.91	4.75	53.89

RIVERTON, COLBERT COUNTY, ALA.

Elevation, 360 feet.

1897	4.78	3.28	15.82	4.48	1.96	2.07	2.18	5.47	0.00	1.84	6.58	8.60	57 06
1898	8.28	2.64	4.36	4.44	3.05	1.06	5.77	1.02	2.74	5.53	3 42	4.06	46.37
1899	5.50	6.93	6.91	2.67	0.70	1.18	3.05	2.61	0.23	1.64	2.56	8.16	42.14
1900	2.42	4.24	3.74	8.18	4.97	9.96	2.49	2.12	1.86	11.42	4 52	2.92	58.84
1901	5.60	2.13	3.89	3.07	2.52	1.83	4.72	10.55	3.97	1.17	1.70	5.86	47.61
1902	5.52	3.21	12.48	2.54	1.45	3.92	2.03	4.86	12.41	1.39	5.15	7.08	62.04
1903	4.62	8.94	6.28	2.50	7.18	3 58	4.22	2.08	0.76	0.74	3.88	4.66	49.44
1904	3.03	1.70	7.09	3.17	4.59	2.87	4.22	2.86	2.61	0.20	2 66	7.58	42.58
1905	6.02	5.59	4.46	3 90	4 26	7.21	2.16	6 11	5.54	4 13	1.20	5.52	56.10
1906	3.90	1.55	6.05	0.86	3.43	3 15	10.88	1.46	7.12	5.08	4.58	5.94	54.00
1907	1.82	5.62	4.35	5.20	10.23	2.53	4.18	3.58	2 83	2.12	5.00	4.63	52.09
1908	3.82	7.65	5.00	5.97	7 78	4.82	5.67	2.78	1.08	0.19	1.80	5.42	51.98
M'ns	4.61	4.46	6.70	3.96	4 34	3.63	4.38	3.79	3.43	2.95	3.58	5.87	51.70

SCOTTSBORO, JACKSON COUNTY, ALA.

Elevation, 652 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1882	13.70	6.90	5.21	4.01	3.58	1.69	9.60	6.97	2.02	1.69	5.15	1.95	62.47
1883	7.10	4.60	4.30	6.62	0.64	2.56	2.18	2.98	4.70	3.08	4.42	3.78	46.96
1884	7.28	8.90	6.55	7.27	3.02	5.99	7.64	0.25	0.67	2.57	1.64	5.30	57.08
1885	7.76	3.90	4.04	2.62	7.45	5.93	6.40	3.43	4.07	5.72	5.24	2.75	59.31
1886	7.34	3.21	11.03	1.59	5.99	5.38	2.15	3.96	1.85	0.00	6.49	3.68	52.67
1887	4.18	5.93	2.02	2.75	1.07	4.47	5.59	3.67	2.25	1.50	0.69	7.66	41.78
1888	7.47	3.47	8.27	4.85	6.00	7.67	0.95	5.00	3.03	1.40	4.04	2.74	54.89
1889	5.53	5.93	3.38	2.48	2.35	4.08	7.44	1.32	7.84	0.99	6.95	1.80	50.09
1890	4.19	10.07	5.94	3.41	5.22	2.48	5.06	4.46	7.78	2.75	0.26	3.16	54.78
1891	7.18	9.47	8.80	3.48	0.92	6.94	7.72	1.58	1.78	0.20	5.96	2.84	56.87
1892	6.94	4.29	4.21	13.85	4.57	3.47	6.56	5.96	5.55	0.30	7.83	5.96	69.49
1893	1.18	7.33	2.82	7.85	6.94	4.68	3.12	1.80	3.75	1.43	1.64	3.27	45.81
1894	5.89	5.57	4.09	3.00	1.02	1.50	10.41	2.77	2.49	1.37	0.46	6.43	45.00
1895	10.76	3.92	7.21	5.03	6.87	8.48	8.71	7.37	2.51	1.84	2.86	3.08	68.64
1896	3.48	3.41	5.09	5.72	4.16	2.26	4.89	0.40	3.19	0.96	6.10	1.30	40.96
1897	4.71	3.87	13.47	4.09	5.63	1.13	3.81	1.94	0.07	4.53	4.08	7.18	54.51
1898	4.61	1.06	3.75	3.87	0.32	4.68	4.25	3.53	4.19	3.65	4.42	4.43	42.76
1899	6.52	7.79	15.56	5.04	2.60	4.04	6.13	3.92	T.	1.99	2.85	7.57	64.01
1900	4.44	5.65	5.35	12.07	2.26	7.14	4.59	2.08	6.21	5.79	2.98	4.85	63.41
1901	4.95	2.52	7.09	5.35	4.90	2.42	1.01	8.77	6.09	0.63	2.61	6.60	52.94
1902	5.40	4.73	6.85	2.63	2.35	1.45	2.22	3.87	2.72	3.68	4.47	4.51	44.88
1903	2.93	12.44	6.50	3.40	5.06	3.77	4.09	3.06	0.69	2.20	1.69	2.02	47.85
1904	2.96	1.27	5.22	1.91	4.88	2.79	5.87	3.53	1.37	1.11	5.74	5.35	42.00
1905	3.88	10.71	4.56	4.44	5.27	6.49	2.47	3.49	0.98	5.78	0.76	7.96	56.79
1906	3.55	2.24	8.41	0.46	3.93	4.70	10.71	6.86	9.37	2.74	5.80	3.54	62.31
1907	1.74	4.04	3.63	3.35	6.22	4.37	3.02	4.80	9.71	1.61	4.83	3.32	50.64
1908	3.57	7.21	4.64	5.03	4.72	1 74	5.25	5.47	0.54	1.92	1.06	8.88	50.03
M'ns	5.53	5.55	6.22	4.67	4.00	4.16	5.25	3.82	3.57	2.28	3.74	4.51	53.30

THOMASVILLE, CLARKE COUNTY, ALA.

Elevation, 385 feet.

1891	4.11	9.44	6.82	1.42	1.86	4.80	5.11	0.87	1.60	0.00	5.11	2.31	43.55
1892	6.44	1.88	4.76	1.71	6.17	3.52	6.79	7.95	2.43	0.55	3.00	3.23	48.43
1893	2.11	4.98	3.26	1.19	5.09	2.69	2.80	2.51	6.80	2.96	5.14	2.10	41.63
1894	1.77	9.59	5.57	3.05	2.90	1.19	5.80	6.75	1.74	1.42	0.26	5.48	45.52
1895	6.75	3.65	9.40	2.85	6.40	10.99	4.31	7.06	1.32	0.06	0.86	3.89	57.54
1896	7.36	8.40	5.89	2.46	4.55	3.57	3.62	4.28	0.40	2.98	2.19	2.88	48.58
1897	3.35	11.70	12.33	1.98	0.77	1.67	8.47	6.04	0.06	0.10	2.43	4.48	53.38
1898	3.13	3.35	2.10	3.82	0.35	5.81	6.36	1.89	2.88	0.40	2.41	3.39	35.89
1899	1.77	2.71	3.20	0.86	0.06	1.56	9.16	1.04	T.	1.75	4.86	5.44	32.41
1900	4.21	8.55	5.70	7.32	0.92	8.48	2.73	2.70	5.35	5.78	1.20	4.81	57.75
1901	3.25	2.06	8.57	5.15	4.24	3.25	3.13	9.23	2.56	1.75	0.94	2.69	46.82
1902	4.20	6.22	5.31	1.19	1.37	T.	2.71	4.88	4.62	2.90	2.60	2.50	38.50
1903	3.70	6.50	7.70	1.70	6.10	2.70	4.00	9.62	2.01	1.52	0.72	3.91	50.18
1904	4.83	5.63	2.72	2.60	3.72	4.79	3.41	5.84	1.70	0.10	3.69	3.93	42.96
1905	6.65	8.05	6.70	3.19	6.40	10.70	4.73	6.83	1.79	4.87	0.55	2.96	63.42
1906	4.42	3.01	6.28	0.40	7.02	2.03	3.35	6.98	6.31	2.80	1.86	2.58	47.04
1907	2.25	4.34	5.18	7.32	8.76	4.49	4.93	6.12	5.37	0.49	4.62	4.18	58.05
1908	2.19	7.67	3.97	12.25	6.55	2.64	5.96	2.96	2.86	2.09	1.88	1.92	52.94
M'ns	4.03	5.96	5.86	3.36	4.07	4.16	4.85	5.19	2.77	1.81	2.47	3.48	48.01

TUSCALOOSA, TUSCALOOSA COUNTY, ALA.

Elevation, 230 feet.

1854	5.64	4.34	5.97	5.46	2.88	3.67	2.18	2.51	4.16	3.02	2.62	1.36	43.81
1855	0.90	1.73	2.24	0.59	1.79	3.99	1.68	6.41	6.29	1.45	5.24	5.75	38.06
1881	2.64	5.70	11.74	4.91	2.68	2.17	1.59	3.48	3.84	3.14	5.06	7.70	54.65
1882	9.12	8.08	6.06	9.41	3.10	3.48	4.51	1.63	0.05	3.48	3.53	2.92	55.37
1883	7.15	3.30	3.96	9.71	2.90	2.96	1.45	2.05	1.95	0.40	3.40	4.83	44.06
1884	6.05	6.85	9.02	5.61	1.46	6.02	10.48	0.96	0.00	1.50	2.38	5.93	56.26
1885	7.95	5.40	3.17	9.78	6.91	3.66	3.24	1.56	4.87	2.30	4.55	4.36	57.75
1886	8.84	2.18	11.31	5.95	5.55	6.37	3.10	6.07	0.03	1.00	3.27	3.83	57.50
1887	3.48	4.31	2.07	0.88	3.46	5.23	3.94	3.40	4.63	2.47	0.61	11.64	46.12
1888	4.10	3 04	7.00	2.03	1.49	3.81	1.72	9.71	2.76	2.15	3.33	4.32	45.46
1889	6.11	2.59	3.12	5.99	2.22	5.36	7.08	3.03	1.89	0.37	4.13	2.19	44.08
1890	3.42	4.50	5.86	3.16	4.06	2.38	5.58	3.15	7.78	2.03	0.68	1.84	44.44
1891	8.48	10.23	9.38	1.70	1.72	6.35	5.78	2.67	1.46	T.	5.93	4.88	58.58
1892	6.88	2.50	5.40	3.16	2.92	4.27	10.03	6.53	2.57	0.41	3.86	4.42	52.95
1893	3 08	8.27	4.41	2.61	7.10	6.51	1.68	4.75	3.75	0 67	2.88	4.29	50.00
1894	8.57	4.73	5.18	4.46	0.69	1.16	3.92	6.64	5.19	0 97	1.03	5.97	48.51
1895	7.42	2.24	7.30	2.77	4.81	6.52	6.58	1.95	2.40	2.30	1.91	5.74	51.94
1896	4.11	4.11	5.19	4.74	3.52	6.99	4.00	1.20	0.62	1.73	2.77	1.11	40.09
1897	4.43	4.83	5.63	4.07	2.71	0.89	6.81	1.57	0.31	0.41	1.72	8.08	41.46
1898	6.65	1.46	4.91	3.73	0.19	4.43	4.51	4.77	2.14	2.84	4.39	3.43	43.45
1899	8.14	3.96	7.63	2.60	2.22	2.99	6.48	3.59	T.	1.36	3.30	7.88	50.15
1900	3.58	5.54	6.08	15.67	1.43	13.53	5.18	0.80	3.31	5.40	4.64	4.05	69.21
1901	4.67	3.31	3.97	4.68	4.16	2.72	2.81	6.94	3.45	1.35	2.30	8.46	48.82
1902	3.54	5.77	9.20	2.54	2.56	1.41	1.08	2.72	4.67	2.72	3.66	4.86	44.73
1903	3.81	14.94	4.51	1.34	6.84	5.99	3.63	4.57	0.43	3.43	1.00	1.91	52.40
1904	4.41	2.21	3.71	1.67	1.24	1.39	2.76	6.28	0.38	T.	4.81	4.76	33.62
1905	5.45	9.31	2.54	5.52	3.15	3.39	3.90	8.16	1.60	2.56	1.38	4.79	51.75
1906	5.71	2.79	9.07	1.30	4.18	2.65	6.71	3.08	6.69	3.27	1.83	5.67	52.95
1907	2.17	3.59	3.29	6.64	9.15	2.20	5.21	2.72	6.98	1.54	4.23	5.65	53.37
1908	2.93	7.67	4.74	5.34	7.92	3.29	5.68	2.15	1.26	1.56	1.50	5.48	49.52
M'ns	5.31	4.98	5.78	4.60	3.50	4.19	4.45	3.83	2.85	1.86	3.06	9.94	49.35

Average number of days with .01 inch or more precipitation.

Stations. (By groups.)	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
TENNESSEE VALLEY:	Yrs													
Scottsboro	27	8	10	10	10	12	11	8	10	5	4	7	10	105
Decatur	30	8	10	10	10	9	10	10	10	6	5	7	10	105
Florence	25	8	10	9	8	8	9	10	6	6	5	6	9	94
WARRIOR RIVER.														
Oneonta	15	11	12	10	12	12	9	11	12	7	6	8	11	121
Birmingham	21	10	11	11	10	9	11	11	12	7	6	8	10	116
Tuscaloosa	30	8	12	10	8	9	9	11	13	6	6	6	11	109
Greensboro	36	8	9	9	8	9	8	9	11	5	5	5	8	94
TOMBIGBEE RIVER (Alabama portion).														
Livingston	25	5	7	6	6	7	7	9	8	3	4	3	6	71
Thomasville	18	7	5	7	6	7	7	8	10	3	3	3	6	72
Healing Springs	10	10	9	8	6	4	9	12	12	3	3	7	7	90

Mean temperature.

TENNESSEE VALLEY.	Yrs													
Scottsboro	25	40.6	40.9	52.7	60.1	68.5	75.4	78.3	77.6	71.8	60.4	50.1	42.8	59.9
Decatur	27	41.5	42.1	54.1	61.9	70.0	77.5	79.8	78.6	72.7	61.0	50.7	43.1	61.1
Florence	25	40.7	42.6	52.9	61.0	69.1	76.5	79.2	78.7	73.0	61.2	50.6	43.0	60.7
Averages		40.9	41.9	53.2	61.0	69.2	76.5	79.1	78.3	72.5	60.9	50.5	43.0	60.6
WARRIOR RIVER.														
Oneonta	15	42.4	42.4	54.6	59.9	69.2	75.8	77.8	77.5	72.5	60.3	50.4	42.9	60.5
Birmingham	21	45.3	48.3	56.3	63.5	71.6	77.9	79.8	78.7	74.0	64.4	54.1	47.3	63.4
Tuscaloosa	28	43.7	44.8	56.0	63.1	72.1	78.9	81.3	80.6	75.4	63.4	52.8	46.5	63.2
Greensboro	27	45.4	48.4	56.5	63.7	71.6	78.4	80.2	79.5	75.1	64.2	55.3	48.7	63.9
Averages		44.2	46.0	55.8	62.6	71.1	77.8	79.8	79.1	74.2	63.1	53.2	46.4	62.8
TOMBIGBEE RIVER (Alabama portion).														
Livingston	25	45.4	48.0	56.1	63.9	72.4	79.1	81.3	80.4	75.7	63.4	53.8	46.7	63.8
Thomasville	18	46.9	47.8	59.7	64.9	73.5	79.6	81.4	80.8	76.1	64.6	55.6	48.8	65.0
Healing Springs	10	46.8	48.6	55.8	62.9	70.5	77.1	79.4	79.6	75.3	64.0	55.1	46.8	63.5
Averages		46.4	48.1	57.2	63.9	72.1	78.6	80.7	80.3	75.7	65.7	54.8	47.4	64.2
Averages for section		43.8	45.3	55.4	62.5	70.8	77.6	79.9	79.2	74.1	63.2	52.8	45.6	62.5

Highest temperature.

TENNESSEE VALLEY.														
Scottsboro	25	78	78	86	90	98	103	105	103	99	96	83	77	105
Decatur	27	77	77	84	91	99	106	107	104	99	93	80	72	107
Florence	25	76	77	84	89	97	101	104	102	99	97	88	78	104
WARRIOR RIVER.														
Oneonta	15	73	71	81	92	94	97	103	101	99	93	79	70	103
Birmingham	21	77	81	90	90	99	101	104	101	100	93	84	76	104
Tuscaloosa	28	78	83	88	94	100	103	106	105	101	97	88	75	106
Greensboro	27	78	79	85	90	95	100	105	100	98	92	84	75	105
TOMBIGBEE RIVER (Alabama portion.)														
Livingston	25	78	82	86	91	99	103	105	102	98	94	85	66	105
Thomasville	18	85	80	90	93	99	103	105	106	99	97	87	80	106
Healing Springs	10	83	81	89	94	97	100	107	102	98	93	90	83	107

Lowest temperature.

TENNESSEE VALLEY.														
Scottsboro	25	−5	−13	5	26	32	41	53	53	34	26	14	4	−13
Decatur	27	−3	−12	4	26	37	47	56	53	37	33	15	0	−12
Florence	25	−6	−13	7	28	38	42	51	54	37	26	15	0	−13
WARRIOR RIVER.														
Oneonta	15	10	−15	4	24	38	45	53	50	34	26	11	1	−15
Birmingham	21	7	−10	12	28	40	49	59	59	42	31	18	5	−10
Tuscaloosa	28	11	−7	17	30	40	48	59	59	40	30	19	9	−7
Greensboro	27	11	−5	21	31	42	50	60	59	45	33	21	10	−5
TOMBIGBEE RIVER (Alabama portion.)														
Livingston	25	10	*−7	20	28	42	45	60	59	40	27	19	8	*−7
Thomasville	18	13	−5	25	31	39	50	59	60	42	33	21	11	−5
Healing Springs	10	10	−7	19	29	34	40	57	57	35	29	16	8	−7

* Interpolated.

Prevailing wind direction.

Stations. (By groups.)	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
TENNESSEE VALLEY.	Yrs													
Scottsboro	27	nw	nw	sw	sw	sw	sw	sw	sw	ne	ne	ne	nw	sw
Decatur	30	n	n	s	n	s	s	s	w	e	n	n	w	n
Florence	25	n	n	se	sw	s	s	s	s	se	s	sw	n	s
WARRIOR RIVER.														
Oneonta	15	n	n	s	n	s	n	n	n	n	n	n	n	n
Birmingham	5	n	n	sw	sw	sw	sw	sw	sw	e	ne	sw	n	sw
Tuscaloosa	30	s	n	s	n	s	s	s	s	n	n	n	n	s
Greensboro	36	n	n	s	s	s	s	s	ne	e	n	n	n	n
TOMBIGBEE RIVER (Alabama portion).														
Livingston	25	n	n	e	e	e	e	e	e	e	e	e	n	e
Thomasville	18	n	n	n	s	s	s	s	s	n	e	n	n	n
Healing Springs	10	n	n	n	n	sw	sw	sw	sw	n	n	n	n	n

Average hourly wind velocity (in miles).

Birmingham	5	9	9	10	9	8	6	5	5	7	7	8	8	8

Mean relative humidity.

Birmingham	5	75	72	74	71	75	74	79	81	77	74	74	77	76

Frost data.

Stations. (By groups.)	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
TENNESSEE VALLEY.	Yrs				
Scottsboro	25	October 28	April 10	October 11	May 10
Decatur	27	October 15	April 5	October 2	April 15
Florence	25	October 30	April 1	October 25	April 9
WARRIOR RIVER.					
Oneonta	15	October 15	April 10	September 4	May 2
Birmingham	21	November 5	March 19	October 22	April 17
Tuscaloosa	28	November 6	March 23	October 21	April 9
Greensboro	27	November 8	March 20	October 24	April 5
TOMBIGBEE RIVER (Alabama portion).					
Livingston	25	November 3	March 17	October 14	April 17
Thomasville	18	November 8	March 15	October 22	April 18
Healing Springs	10	November 17	March 6	October 19	April 10

Monthly and annual average precipitation.

Stations. (By groups.)	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
TENNESSEE VALLEY.	Yrs													
Riverton	12	4.61	4.46	6.70	3.96	4.34	3.63	4.3[illegible]	3.79	3.43	2.95	3.58	5.87	51.70
Florence	25	4.91	4.94	5.76	4.50	3.80	4.64	4.71	3.80	3.46	1.88	3.16	4.25	49.81
Madison	15	4.32	4.77	6.06	4.02	3.95	4.12	4.39	3.42	3.70	2.94	3.18	4.68	49.55
Decatur	30	5.33	5.06	6.26	4.20	3.75	3.36	4.33	3.45	2.90	2.41	3.41	3.98	48.50
Scottsboro	27	5.53	5.55	6.22	4.67	4.00	4.16	5.25	3.82	3.57	2.28	3.74	4.51	53.30
Averages		4.94	4.96	6.20	4.27	3.97	3.98	4.61	3.66	3.43	2.49	3.42	4.66	50.59
WARRIOR RIVER.														
Oneonta	15	4.85	5.84	6.73	4.38	4.62	4.35	6.20	5.10	3.19	2.65	2.79	5.08	55.78
Cordova	19	5.13	5.31	5.94	4.93	3.99	4.23	5.23	4.66	2.99	2.36	3.14	5.01	52.92
Birmingham	21	5.65	5.20	5.72	5.14	4.03	4.26	4.70	4.41	2.97	1.98	3.18	4.40	51.70
Tuscaloosa	30	5.31	4.98	5.78	4.60	3.50	4.19	4.45	3.83	2.85	1.86	3.06	4.94	49.35
Greensboro	37	4.97	5.41	5.55	4.13	4.01	3.65	3.80	4.72	2.98	2.12	3.61	4.91	49.86
Averages		5.18	5.34	5.94	4.78	4.03	4.14	4.89	4.53	3.00	2.19	3.16	4.87	52.05
TOMBIGBEE RIVER (Alabama portion).														
Hamilton	13	4.62	4.78	7.32	4.15	4.00	3.68	4.03	3.96	2.84	2.75	3.48	4.95	50.56
Livingston	25	4.45	5.29	5.37	3.78	3.71	4.46	4.38	4.00	2.38	2.02	2.90	4.46	47.20
Demopolis	17	4.11	6.08	5.27	4.08	4.56	3.91	4.20	4.16	2.90	2.05	2.34	4.75	48.41
Pushmataha	18	5.18	6.42	5.87	4.38	5.06	4.41	5.00	4.81	2.86	2.24	2.91	4.75	53.89
Thomasville	18	4.03	5.96	5.86	3.36	4.07	4.16	4.85	5.19	2.77	1.81	2.47	3.48	48.01
Healing Springs	10	5.59	6.37	5.25	3.91	3.88	5.58	6.41	6.67	3.67	1.92	3.26	5.28	57.79
Averages		4.97	5.82	5.82	3.94	4.21	4.37	4.81	4.46	2.90	2.13	2.86	4.61	50.00
Averages for section		5.03	5.37	5.99	4.33	4.07	4.16	4.77	4.22	3.11	2.27	3.15	4.71	51.18

HYDROGRAPHIC DATA FOR SECTION 81,

SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

Compiled from the records of the United States Geological Survey.
by R. H. BOLSTER, Assistant Engineer.

Preliminary Note — Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey.

This section comprises Tennessee River drainage on the north, and Tombigbee River drainage in the central and southern portions.

Tennessee River is formed by the junction of French Broad and Holston rivers, four miles above Knoxville, Tenn. Its course is rather circuitous, flowing through Tennessee, the northern portion of Alabama, again through Tennessee and Kentucky, and empties into the Ohio, 50 miles above Cairo. It is the largest affluent of the Ohio River and is about 800 miles long. Large steamboats can ascend it for about 270 miles. In Tennessee River, in the vicinity of Florence, Alabama, are several shoals capable of the development of water power in large quantities. The shoals are a succession of cascades in a river bed varying in width from one-half to three miles. The numerous channels thus formed are very irregular in flow and direction. The difference between high and low water is about 5 or 6 feet, corresponding to a rise of 50 feet at Chattanooga. The total fall from Brown's Ferry to Waterloo is 160 feet in a distance of 57 miles, or 155 feet in the 41 miles that cover the principal shoals. The shoals are really more precipitous than the foregoing figures would indicate. For instance, 84.6 feet of the fall at Big Mussel Shoals occurs in a distance of 14 miles. The bed rock of Elk River Shoals is carboniferous limestone; that of Mussel Shoals is hard silicious rock of dark color and flinty structure.

Tombigbee River rises in the northeastern portion of the State of Mississippi, and flowing southerly crosses into Alabama a few miles below Columbus. Continuing in a general southerly course; it is joined by Black Warrior River, before uniting with Alabama River to form Mobile River. Mobile River is approximately 40 miles long and empties into Mobile Bay.

Black Warrior River rises in the north-central part of Alabama, and flows in a southwesterly direction, emptying into the Tombigbee at the southern boundary of Greene County. Most of the drainage area is flat open country, much of it being under cultivation. Above Tuscaloosa, it is largely in the carboniferous containing pervious strata, porous shales, and limestone caves, through which considerable water is lost.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; and second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall which is usually expressed in depth in inches.

Monthly discharge of Tennessee River, Chattanooga, Tenn., for Period 1899–1908. Drainage area, 21,400 square miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	259,000	8,580	46,500	2.17	2.50
February	233,000	10,300	57,800	2.70	2.81
March	244,000	10,300	75,400	3.52	4.06
April	205,000	9,840	57,400	2.68	2.99
May	79,000	6,590	37,600	1.76	2.03
June	98,000	6,970	31,600	1.48	1.65
July	78,100	6,590	25,100	1.17	1.35
August	207,000	8,040	26,400	1.23	1.42
September	66,100	6,100	19,400	.907	1.01
October	42,500	5,060	16,800	.785	.90
November	119,000	5,060	20,200	.944	1.05
December	237,000	7,280	34,500	1.61	1.86
The period	259,000	5,060	37,400	1.75	23.63

Monthly discharge of Tombigbee River at Epes, Ala., for period Jan., 1905–Dec. 31, 1908. Drainage area, 8,830 square miles.

Month.	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	26,900	4,060	11,900	1.35	1.56
February	46,200	3,230	22,600	2.56	2.67
March	42,200	3,780	20,400	2.31	2.66
April	40,900	2,960	12,900	1.46	1.63
May	37,000	2,000	17,400	1.97	2.27
June	21,800	1,120	5,700	.646	.72
July	13,800	975	3,370	.382	.44
August	13,400	1,030	3,640	.412	.48
September	19,100	640	1,660	.188	.21
October	33,300	640	4,830	.547	.63
November	12,800	640	2,340	.265	.30
December	16,600	1,440	6,790	.769	.89
The period	46,200	640	9,440	1.07	14.46

Monthly discharge of Black Warrior River, Cordova, Ala., for period June 1, 1900–Dec. 31, 1908.—Drainage area, 1,900 square miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	51,800	190	5,150	2.71	3.12
February	43,100	480	8,450	4.45	.46
March	57,000	560	8,510	4.48	5.16
April	26,000	190	3,780	1.99	2.22
May	30,400	145	3,290	1.73	1.99
June	49,300	80	2,760	1.45	1.62
July	12,800	74	1,030	.542	.62
August	17,200	28	1,290	.679	.78
September	28,900	28	804	.423	.47
October	23,600	28	1,120	.589	.68
November	11,100	53	764	.402	.45
December	31,800	159	2,970	1.55	1.80
The period	57,000	28	3,330	1.75	19.37

Monthly discharge of Black Warrior (Locust Fork) River, Palos, Ala., for period Jan. 1, 1902–Dec. 31, 1905.—Drainage area, 1,020 square miles.

Month.	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	22,300	67	1,750	1.72	1.98
February	40,300	305	6,330	6.21	6.47
March	40,000	390	4,080	4.00	4.61
April	17,200	480	1,900	1.86	2.08
May	20,300	67	1,100	1.08	1.24
June	6,700	34	548	.537	.60
July	4,750	77	502	.492	.57
August	6,900	77	611	.599	.69
September	2,020	34	173	.170	.19
October	2,550	34	234	.229	.26
November	1,650	34	214	.210	.23
December	5,510	67	1,200	1.18	1.36
The period	40,300	34	1,550	1.52	20.28

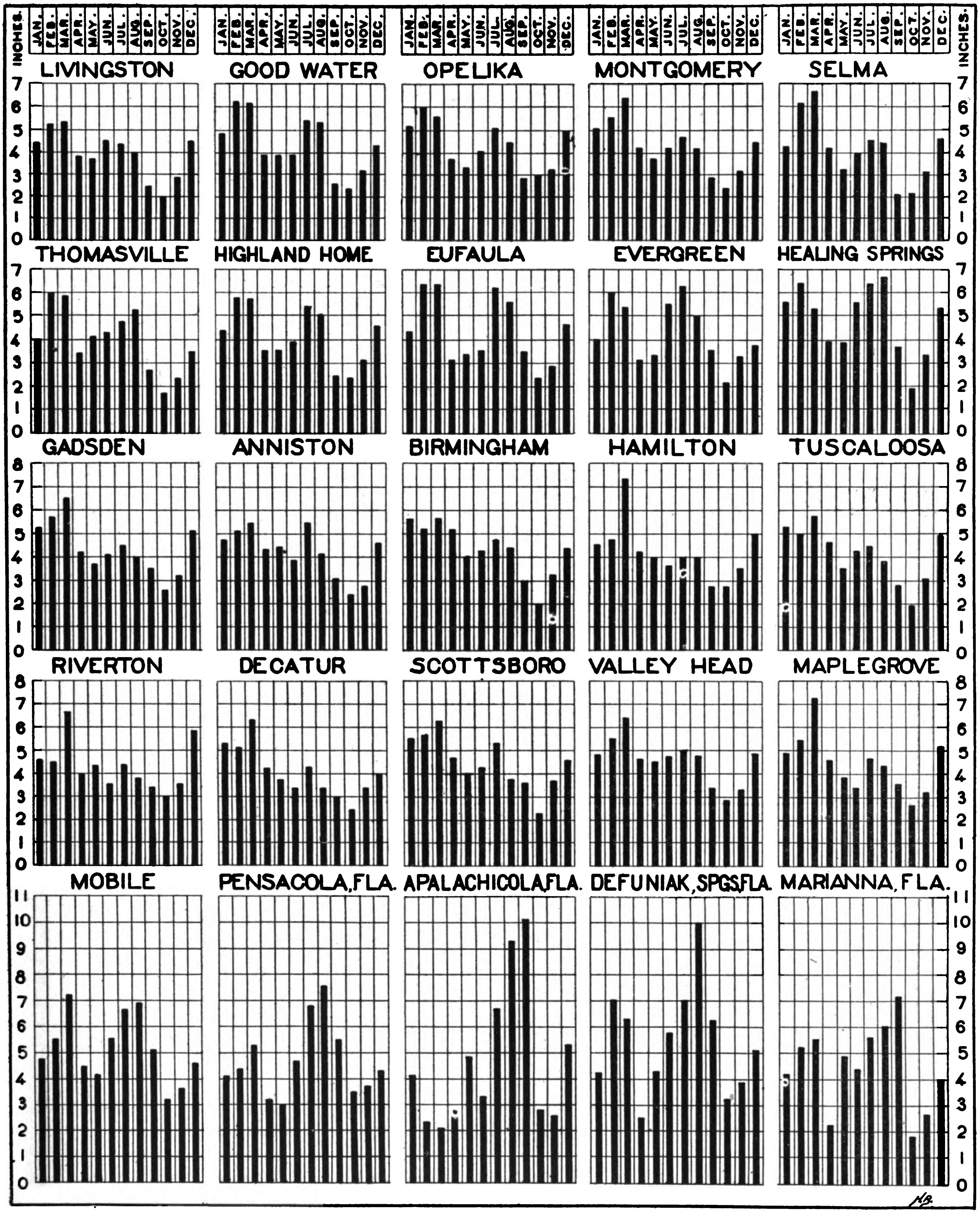
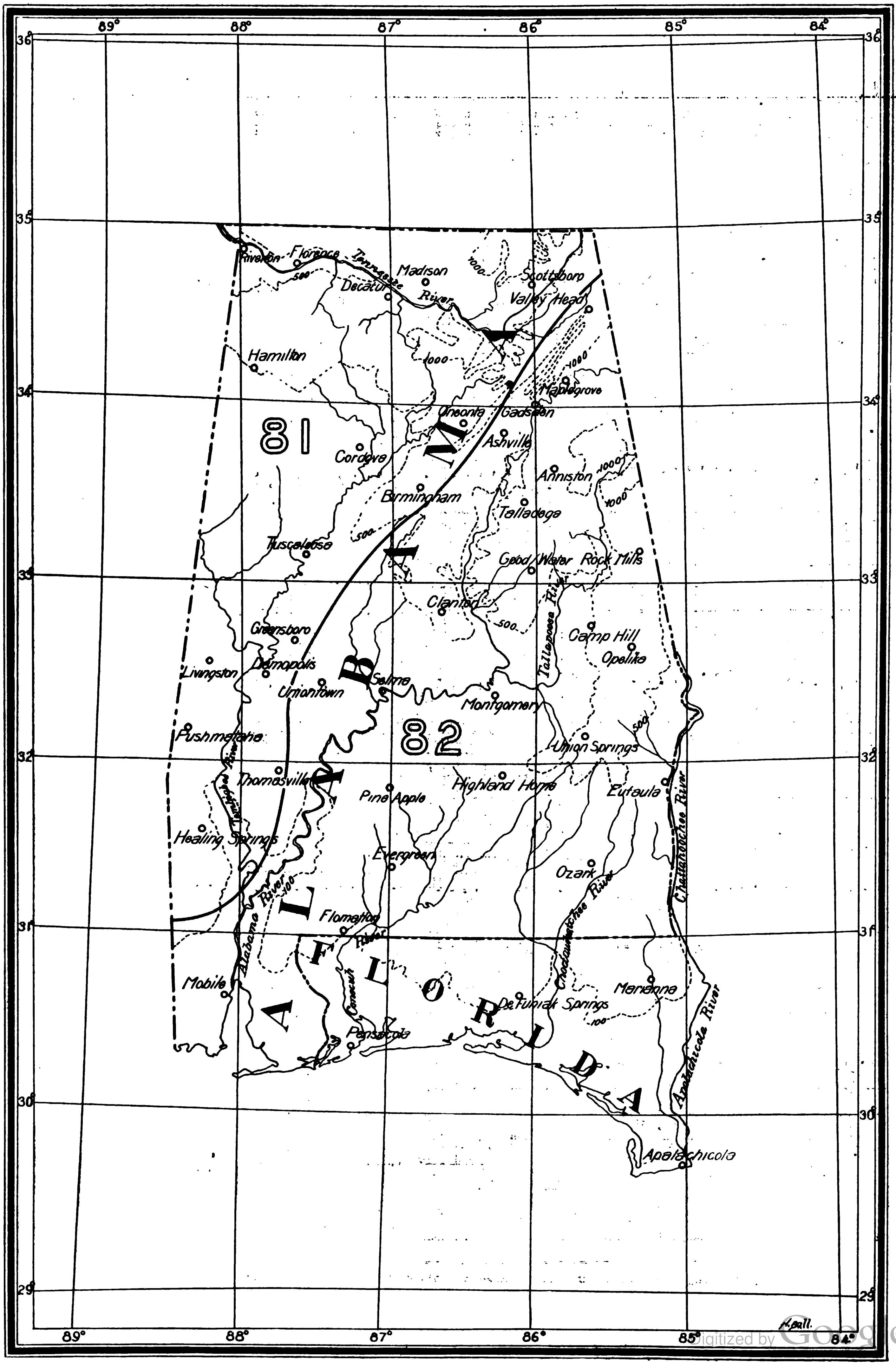


Fig. 1.—Diagrams showing the comparative monthly distribution of precipitation.


89°
88°
87°
86°
85°
84°
36
35
34
33
32
31
30
29
81
82
ALABAMA
FLORIDA
Riverton
Florence
Tennessee River
Madison
Decatur
Scottsboro
Valley Head
Hamilton
Maplegrove
Oneonta
Gadsden
Ashville
Cordova
Anniston
Birmingham
Talladega
Tuscaloosa
Good Water
Rock Mills
Clanton
Tallapoosa River
Greensboro
Camp Hill
Opelika
Livingston
Demopolis
Selma
Uniontown
Montgomery
Pushmataha
Union Springs
Tombigbee River
Thomasville
Pine Apple
Highland Home
Eufaula
Healing Springs
Evergreen
Ozark
Choctawhatchee River
Chattahoochee River
Alabama River
Flomaton
Conecuh River
Mobile
Marianna
DeFuniak Springs
Pensacola
Apalachicola River
Apalachicola
500
1000
100
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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, PROF. FRANK H. BIGELOW, in charge.

SECTION 82.—EASTERN, CENTRAL, AND SOUTHERN ALABAMA, AND FLORIDA, WEST OF THE APALACHICOLA RIVER.

The territory covered by this discussion includes most of eastern, central, and southern Alabama, and that part of Florida lying west of the Apalachicola River. The area comprised is about 35,000 square miles.

The axis of elevation of this area runs in a northeast-southwest direction, nearly along the northern boundaries of Coosa, Clay and Cleburne counties. The elevation increases towards the northeast, and, as a consequence, the general slope of the surface is away from this axis in every direction, except north, northeast, and east, soon merging into what may be called the Coastal Plain. The general elevation of the highland area is 800 feet, with mountains rising 1,200 to 1,600 feet higher. Over the Coastal Plain, the general elevation is about 600 feet at its northeastern limit, and slopes approximately one foot per mile to the south and southwest, towards the Gulf of Mexico.

This district is drained chiefly by the Alabama and its tributaries, although considerable areas are drained by the Chattahoochee, Choctawhatchee, and Escambia rivers. The Coosa and Tallapoosa (tributaries of the Alabama) afford abundant water power, but owing to numerous rapids and falls are not navigable.

The upper portion of the section contains much coal, iron, and other minerals, while the lower portion contains considerable quantities of cement materials and lignite. The Coastal Plain is very fertile, and, where not already exploited, abounds in timber. A great variety of field and orchard crops is grown, ranging from the hardier fruits and grains in the altitudinous portions to semi-tropical fruits and vegetables along the Gulf coast. Cotton is the principal crop, and it is very prolific in the dark alluvial soil of the Coastal Plain.

CLIMATIC CHARACTERISTICS.

The climate is equable, extremes of temperature being infrequent. Along the Gulf coast it often happens that killing frost does not form till the winter months. The summers are long and the sunshine and rainfall abundant, affording an unsurpassed growing season. The precipitation over this section is the greatest in the country, except along the North Pacific coast, and over portions of the Appalachian Mountain regions of Northern Georgia and Western North Carolina, the annual amounts ranging from 50 inches in the northern part of the district to more than 62 inches in some of the southern counties.

Owing to the heavy rains in the late winter and early spring the streams sometimes become very swollen, and much damage is then done to the land and crops by erosion and overflow. At other seasons, however, floods, or dangerously high stages in the streams, are not frequent.

P. H. SMYTH, *Section Director.*

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Precipitation in eastern, central and southern Alabama, and Florida west of the Apalachicola River. Monthly, annual and average amounts (in inches and hundredths).

[Figures in bold-face type interpolated.]

ANNISTON, CALHOUN COUNTY, ALA.
Elevation, 741 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1891	....	....	....	....	....	....	....	....	2.31	0.20	2.48	3.78	....
1892	10.11	2.45	6.54	6.99	4.10	4.87	4.72	4.47	2.54	**0.07**	4.50	2.94	54.30
1893	3.08	8.90	3.63	4.18	7.77	5.30	1.91	4.00	4.13	1.99	1.37	3.40	49.66
1894	7.73	5.98	4.11	4.90	2.92	0.88	6.32	4.46	3.41	1.72	1.30	7.69	51.42
1895	7.13	2.06	6.93	3.77	10.63	7.65	4.11	5.10	2.28	2.70	1.47	2.34	56.17
1896	4.13	3.76	3.50	2.64	2.72	4.10	4.25	0.98	2.49	1.53	3.80	0.66	34.56
1897	3.67	5.29	8.65	2.77	1.73	1.38	7.16	2.91	0.00	0.53	1.87	6.10	42.06
1898	3.00	0.80	3.79	4.17	1.12	2.88	5.19	8.15	1.85	....	4.32	1.75	....
1899	4.36	6.42	5.93	2.99	1.30	2.05	8.81	3.66	0.05	1.93	2.50	5.91	45.91
1900	3.95	8.80	5.52	8.99	2.29	10.86	6.41	1.56	4.69	3.52	5.24	3.99	65.82
1901	4.64	4.54	5.17	6.28	6.11	4.73	5.13	7.37	3.16	0.70	1.44	8.40	57.67
1902	4.13	4.92	7.59	2.58	1.21	0.24	2.09	3.04	**2.53**	**3.24**	**3.52**	**6.52**	41.61
1903	**3.17**	**11.43**	6.03	5.51	5.69	2.89	4.77	3.48	0.91	1.94	0.91	0.69	47.42
1904	4.14	2.98	3.54	2.03	3.52	4.01	5.17	5.27	3.24	0.65	2.86	3.79	42.10
1905	6.42	5.77	3.06	2.73	8.08	6.17	5.92	7.36	1.44	2.80	2.01	7.74	59.50
1906	4.53	1.52	10.98	1.61	3.16	4.82	13.78	5.35	12.20	3.02	3.81	6.05	70.83
1907	3.15	5.95	3.00	6.10	7.30	2.04	4.39	1.78	5.45	0.80	6.54	4.78	51.28
1908	4.70	4.39	4.57	3.42	4.97	1.88	5.03	1.99	3.82	2.18	1.25	5.60	43.80
M'ns	4.83	5.06	5.44	4.27	4.39	3.93	5.59	4.18	3.14	1.74	2.84	4.56	49.97

APALACHICOLA, FRANKLIN COUNTY, FLA.
Elevation, 24 feet.

1903	....	....	....	....	....	....	....	....	....	9.07	4.34	2.13	....
1904	5.02	1.84	1.31	2.51	2.10	3.84	1.62	3.65	1.87	0.00	3.06	3.87	30.69
1905	3.27	3.37	4.28	1.65	6.70	0.60	11.23	10.43	6.56	1.65	0.76	9.18	59.68
1906	5.18	2.15	3.92	0.00	3.44	2.55	8.65	10.36	17.95	3.07	1.06	3.15	61.48
1907	1.86	1.30	0.55	6.92	8.62	7.20	10.50	12.20	12.87	0.39	3.48	11.91	77.80
1908	5.11	2.91	0.26	....	3.65	2.25	1.64	9.83	11.06	2.59	2.81	1.62	....
M'ns	4.09	2.31	2.06	2.77	4.90	3.29	6.73	9.29	10.06	2.80	2.58	5.31	56.19

ASHVILLE, ST. CLAIR COUNTY, ALA.
Elevation, 685 feet.

1893	**3.08**	**8.90**	**3.63**	**4.18**	**7.77**	**5.30**	**1.91**	**4.00**	**4.13**	**1.99**	**1.37**	**3.40**	49.66
1894	**7.73**	**5.98**	**6.54**	**4.90**	**2.92**	**0.88**	**6.32**	**4.46**	**3.41**	**1.72**	**1.30**	**7.69**	53.85
1895	**7.13**	**2.06**	**6.93**	**3.77**	3.23	3.92	4.40	7.69	2.38	2.38	2.18	4.02	50.09
1896	4.42	3.78	4.48	4.21	2.35	3.14	2.22	1.20	1.89	1.09	4.78	1.11	34.67
1897	4.15	6.09	7.42	5.00	1.62	0.96	5.17	2.63	0.30	1.00	0.77	7.04	42.15
1898	5.48	0.80	3.04	5.37	0.48	2.97	6.81	3.50	3.79	7.53	4.25	2.12	46.14
1899	4.82	6.27	11.14	4.21	1.28	2.46	8.27	3.43	0.14	1.30	3.81	6.10	53.23
1900	2.65	7.40	6.35	12.56	2.93	11.98	6.45	1.44	5.35	6.73	3.83	3.41	71.08
1901	5.73	3.56	10.14	6.42	5.65	2.65	2.51	11.45	3.81	0.56	1.63	10.87	64.98
1902	4.34	6.60	10.22	2.10	0.59	0.99	3.07	2.12	6.01	4.28	4.17	6.12	50.61
1903	2.68	8.88	5.18	4.79	8.37	2.88	3.68	5.83	0.70	2.84	1.57	1.71	49.11
1904	6.31	2.78	4.03	1.88	1.92	4.70	4.14	5.92	0.48	0.81	3.55	4.80	41.32
1905	6.94	7.44	2.59	3.48	7.44	6.16	3.79	6.76	0.64	4.90	1.65	6.56	58.35
1906	4.70	1.55	10.99	1.67	3.81	5.52	12.44	4.05	13.90	3.76	3.21	5.42	71.02
1907	1.91	5.50	2.51	6.19	10.74	1.85	5.04	5.40	11.29	1.38	5.37	4.33	61.51
1908	3.97	5.67	5.06	3.96	6.08	2.43	5.39	2.26	2.36	1.80	0.69	7.60	47.27
M'ns	4.75	5.20	6.32	4.71	4.03	3.68	5.18	4.31	3.80	2.70	2.72	5.14	52.54

Data in bold-face type from record at Oxanna, Alabama.

CAMP HILL, TALLAPOOSA COUNTY, ALA.
Elevation, 738 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1901	3.90	4.08	7.62	4.46	5.96	5.88	3.42	6.28	3.46	3.35	1.25	9.99	59.65
1902	2.90	8.78	10.08	2.50	**1.78**	**0.14**	**1.92**	4.40	2.20	2.33	5.03	4.80	46.86
1903	3.00	11.42	6.08	1.84	5.87	6.38	3.24	2.95	3.60	0.98	2.20	3.68	51.24
1904	**5.18**	6.07	2.05	0.43	5.50	3.75	7.23	5.30	0.85	0.00	1.26	4.28	41.90
1905	3.47	**7.19**	1.75	3.16	3.12	1.95	4.48	5.35	2.15	3.05	1.60	10.50	47.77
1906	5.50	1.92	8.90	1.00	3.35	4.02	11.24	**3.57**	**6.99**	2.80	1.23	4.07	54.59
1907	2.69	5.06	0.86	6.54	5.82	2.56	**7.42**	3.50	3.95	0.65	8.31	0.19	56.55
1908	**3.88**	3.70	4.40	8.71	3.67	1.80	3.58	3.97	0.31	1.80	**2.87**	**4.42**	43.11
M'ns	3.82	6.03	5.22	3.58	4.38	3.31	5.32	4.42	2.94	1.87	2.97	6.37	50.23

CLANTON, CHILTON COUNTY, ALA.
Elevation, 590 feet.

1893	**3.18**	5.56	2.33	2.21	**6.93**	**3.68**	**6.19**	**5.72**	2.66	**1.21**	**2.65**	**2.29**	44.61
1894	**2.58**	**6.98**	**4.88**	4.81	2.16	2.65	1.89	8.19	**0.85**	**2.96**	**0.73**	**4.73**	43.41
1895	**6.69**	**3.56**	**9.14**	**3.99**	3.25	2.26	5.09	2.63	1.00	2.09	1.85	3.87	45.42
1896	6.42	4.53	6.11	4.92	5.87	6.67	4.01	1.60	0.62	1.76	3.22	2.32	48.05
1897	3.58	7.42	7.57	1.39	0.40	0.37	0.56	1.05	0.70	0.05	1.78	1.05	25.92
1898	0.82	0.39	2.15	2.98	0.10	2.05	4.04	3.24	0.66	**2.54**	**7.09**	**3.69**	29.75
1899	1.75	9.39	1.79	3.98	**1.73**	1.69	6.59	2.82	1.47	1.71	1.22	6.13	40.27
1900	3.81	8.85	5.59	6.70	1.20	8.37	2.53	**4.02**	4.88	6.30	5.16	3.44	60.85
1901	7.32	5.02	7.23	4.12	5.86	0.86	4.55	5.18	2.95	0.79	2.26	4.15	50.29
1902	7.60	7.24	**9.80**	**2.20**	4.89	0.27	1.87	3.09	2.08	5.13	5.53	7.67	57.37
1903	**3.23**	**12.27**	**5.37**	2.56	5.72	5.54	5.04	1.67	2.00	1.50	0.30	3.43	48.63
1904	5.08	6.39	1.05	2.19	1.54	1.90	6.15	11.11	0.00	0.02	1.30	2.75	39.48
1905	**6.23**	**6.72**	**4.28**	3.89	5.99	1.45	3.08	5.34	0.78	4.40	1.18	7.38	50.72
1906	4.41	2.85	15.07	0.89	5.33	2.17	12.48	2.13	10.33	5.01	1.92	5.23	67.82
1907	2.06	5.08	3.76	5.14	8.44	4.14	3.90	3.82	3.16	1.17	8.06	7.85	56.58
1908	3.41	9.98	3.75	3.79	7.33	3.86	3.48	2.14	0.56	1.55	2.75	4.08	46.68
M'ns	4.26	6.26	5.68	3.48	4.17	3.00	4.47	3.98	2.17	2.39	2.94	4.38	47.18

DEFUNIAK SPRINGS, WALTON COUNTY, FLA.
Elevation, 193 feet.

1896	....	....	....	....	....	....	....	....	....	4.05	9.80	2.25	....
1897	2.10	12.25	7.82	4.50	1.25	7.00	3.96	12.41	1.94	2.25	2.02	3.15	60.65
1898	2.00	5.47	2.03	1.65	0.31	3.67	9.83	22.98	6.70	3.20	7.53	4.52	69.89
1899	7.82	6.46	5.89	1.30	0.50	7.73	6.44	11.80	0.14	6.15	2.68	4.00	60.91
1900	2.31	12.55	8.57	3.90	4.63	12.04	10.44	0.87	5.24	4.82	2.64	7.21	75.22
1901	3.87	4.86	8.71	5.16	8.91	2.35	8.71	13.22	7.38	2.11	0.73	4.18	70.19
1902	0.96	10.57	13.62	0.66	2.46	2.71	4.72	7.35	9.33	4.34	4.98	2.98	64.68
1903	4.73	6.41	7.04	0.24	8.41	9.55	7.05	9.96	2.58	2.08	4.56	4.63	67.24
1904	5.54	2.95	3.34	2.25	4.29	4.47	3.21	10.78	1.44	1.06	3.54	5.03	47.90
1905	7.28	10.32	2.90	2.44	10.41	4.04	5.82	6.35	3.09	6.80	2.33	8.79	70.57
1906	5.90	3.34	6.25	0.45	2.95	5.34	7.43	4.30	17.41	1.30	2.73	6.66	64.06
1907	1.79	3.24	2.92	5.21	3.31	5.19	9.55	9.52	13.49	1.57	5.94	11.58	73.31
1908	5.99	6.11	....	....	....	....	....	....	5.66	1.88	0.53	1.29	....
M'ns	4.19	7.04	6.28	2.52	4.31	5.83	7.01	9.96	6.20	3.20	3.85	5.10	65.49

EUFAULA, BARBOUR COUNTY, ALA.
Elevation, 200 feet.

1884	**5.38**	**4.26**	**10.07**	**2.97**	1.30	8.60	8.98	3.88	0.14	0.03	**2.52**	**4.78**	52.85
1885	**9.25**	**3.59**	**3.41**	**2.03**	3.02	1.90	4.59	4.71	6.06	1.85	**4.70**	**2.98**	48.15
1886	**7.92**	**4.31**	**8.03**	**2.72**	3.53	5.84	5.17	5.68	0.71	0.00	**5.04**	**3.92**	52.87
1887	4.43	6.70	3.58	2.36	0.68	2.02	9.15	3.12	3.55	3.76	**0.08**	**13.84**	53.27
1888	**3.45**	6.57	**13.48**	2.70	4.00	3.55	1.45	10.75	4.73	5.18	**4.08**	**2.31**	62.25
1889	**8.39**	**3.62**	**2.18**	**4.27**	1.15	3.14	6.24	1.97	2.38	2.30	7.47	**0.58**	43.67
1890	**2.64**	**3.30**	**2.81**	**3.28**	8.93	1.97	10.69	0.51	5.14	3.06	1.00	**0.77**	44.10
1891	**3.00**	**8.50**	**8.30**	**1.96**	2.17	5.81	4.98	6.89	0.77	0.06	4.07	**4.78**	51.29
1892	4.16	6.20	**10.42**	0.10	3.31	2.81	11.09	10.09	3.14	0.59	1.19	**5.12**	58.22
1893	2.70	4.80	4.81	1.37	5.51	4.16	5.12	8.85	5.09	2.66	3.02	1.41	49.50
1894	4.50	10.20	3.22	2.67	2.25	2.23	6.79	5.50	3.04	4.77	0.82	3.78	49.77
1895	7.18	3.03	10.39	2.09	3.41	4.18	3.77	6.17	1.41	1.33	1.46	2.77	47.19
1896	3.47	5.62	3.99	2.32	8.08	3.71	10.25	1.86	1.99	2.68	3.96	3.38	46.31
1897	1.60	9.79	11.29	4.78	1.85	2.42	3.73	5.71	1.52	1.07	2.04	2.20	48.00
1898	1.26	2.01	2.23	5.60	0.49	2.08	11.27	11.99	1.63	4.46	7.52	6.01	56.55
1899	6.06	6.29	3.78	2.71	2.18	0.64	9.15	5.79	1.16	4.43	1.15	3.61	46.95
1900	2.53	11.04	8.64	5.00	2.72	8.37	5.40	1.37	2.42	5.50	2.17	8.21	63.37
1901	4.28	7.17	7.82	2.68	5.73	2.65	3.08	10.07	11.45	1.91	1.11	5.13	64.08
1902	1.32	11.28	11.72	1.57	2.09	3.20	2.87	4.38	5.22	4.92	1.95	5.59	56.11
1903	4.11	6.71	6.79	1.74	9.16	2.66	4.64	5.05	4.96	1.13	3.29	3.97	54.21
1904	5.07	9.15	2.73	1.88	1.37	1.84	2.87	7.79	1.31	0.10	2.81	5.02	41.94
1905	3.34	10.17	4.34	3.28	3.83	6.10	5.19	3.22	3.79	2.62	1.82	8.29	55.99
1906	5.59	2.61	4.21	0.82	6.95	4.88	6.14	3.51	6.10	3.74	1.51	5.08	51.14
1907	1.89	2.67	1.90	8.22	3.35	3.10	7.83	6.63	8.38	0.63	7.64	11.12	63.36
1908	4.77	8.74	7.26	7.26	1.81	1.20	4.33	5.24	1.93	2.24	0.97	2.55	48.30
M'ns	4.33	6.33	6.31	3.10	3.35	3.56	6.19	5.63	3.52	2.44	2.89	4.60	52.25

EVERGREEN, CONECUH COUNTY, ALA.
Elevation, 285 feet.

1884	**6.11**	**4.90**	**10.52**	**4.31**	**4.83**	3.15	7.53	2.87	0.00	1.75	**3.40**	**4.55**	53 92
1885	**10.94**	**3.26**	**4.64**	**4.58**	**6.10**	**4.25**	**5.68**	4.35	6.61	1.36	**4.21**	**4.06**	59.94
1886	**6.40**	**3.12**	**10.74**	3.55	1.63	8.44	7.76	3.15	1.10	0.00	**5.04**	**2.51**	53.44
1887	**3.78**	**2.35**	**0.11**	**1.26**	2.13	5.62	6.81	3.15	3.26	2.21	**1.42**	**6.74**	38.84

EVERGREEN, CONECUH COUNTY, ALA.—Continued.
Elevation, 285 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1888	**0 54**	**2.05**	**7.40**	**1.00**	**3.10**	12.30	6.40	5.20	5.25	3.26	**3.00**	**2 07**	51.57
1889	**7.80**	**4.91**	**2.09**	**1.21**	**0.05**	6.24	4.00	2.05	4.32	1.40	8.57	0.71	43.35
1890	1.07	5.11	0.92	1.85	6.08	5.45	7.22	5.83	6.19	5 63	0.05	1.06	46.46
1891	**1.41**	**8.97**	**5.81**	**1.07**	3.53	4.33	7.36	4.02	3.81	**T.**	6.12	**2.31**	48.74
1892	**6.44**	**1.88**	**4.76**	0.75	2.83	9.10	9.96	9.13	2.08	0.75	3.25	3.23	54.16
1893	**2.11**	**0.40**	**1.22**	**1.19**	4.71	5.64	3.34	7.05	3.37	5.72	4.55	**2.10**	41.40
1894	**1.77**	**9.59**	**5.57**	**3.05**	2.73	1.62	1.59	4.96	1.14	5.71	0.63	3.61	41.97
1895	6.42	3.85	**9.40**	5 04	3.18	7.44	6 32	9.42	2.52	1.68	0.90	4.16	60.33
1896	4.67	8.24	5.86	3.21	3.96	8.49	8.85	3.41	1.41	3.40	2.84	3.01	57.35
1897	1.77	9.82	8.79	3 28	1.10	3.30	5.38	8.44	0.40	0.15	2.95	1.80	47.13
1898	1.68	**4.29**	**3.16**	1.38	0.25	7.99	4.31	13.52	6.11	0.75	9 00	5.70	58.14
1899	4.14	3.60	3.01	T.	0 60	4.20	10 50	1.50	0.10	2.40	4.00	4.91	38.95
1900	3.00	**13 51**	7.07	5.40	1.75	10.75	4.54	1.60	**6.89**	**5.40**	2.51	5.16	67.58
1901	5.39	6.76	8.08	6.91	4.47	0.89	4.53	3.30	3.25	0.99	0.50	6.19	51.26
1902	3.48	**11.03**	7.56	2.90	4.75	0.21	6.63	6.30	7.85	2.30	3.70	4.65	61.36
1903	3.20	11.18	4.75	3.35	4.29	6.80	6.62	3.80	1.59	2.19	2.49	4.80	55.06
1904	4.05	6.69	4.33	1.82	2.43	2.13	3.40	6.14	0.05	T.	1.57	2.78	35.39
1905	**4.98**	3.86	2.92	2 54	5.43	4.66	4.24	3.18	2.76	3.33	0.70	4.45	43.05
1906	3.92	2.73	6.60	0.85	5.13	1.55	7.25	4.18	9.94	....	1.13	2.36	....
1907	**2.20**	**6.15**	**2.24**	**7.66**	7.86	4.37	5.83	4.33	7.51	0.92	7.18	10.12	66.37
1908	3.08	11.24	**5.90**	6.94	3.55	4.94	7.64	4.10	2.45	1.30	**2 87**	**1.86**	55.87
M'ns	3.97	5.98	5.34	3.12	3.46	5.36	6.15	5.00	3.64	2.03	3.31	3.80	51.16

FLOMATON, ESCAMBIA COUNTY, ALA.
Elevation, 91 feet.

1891	**5.50**	**5.61**	**5.75**	**2.15**	**2.75**	**4.38**	**4.25**	**1.72**	**2.00**	**0.00**	**9.30**	**5.25**	48.66
1892	**12.45**	**4.40**	**2.56**	**1.60**	**3.80**	**7.80**	**12.26**	**13.55**	**3.00**	**1.00**	**1.65**	**6.48**	70.55
1893	**5.35**	**6.08**	**4 65**	**3.80**	**7.30**	**3.45**	**4.25**	**6.45**	**3.45**	**6.35**	**4.87**	**4.87**	60.87
1894	**2.40**	**16.54**	**7.88**	**2.25**	**4.65**	**2.65**	**5.13**	**6.28**	**1.67**	**0.30**	**0.33**	**0.75**	50.83
1895	**6.64**	**1.50**	**4.00**	**4.00**	**4.00**	**4.00**	**3.00**	**8.02**	**2.44**	**2.00**	**1.23**	**4.29**	45.12
1896	**4.65**	**12.68**	**6.32**	**3.09**	**4.05**	**8.12**	**10.02**	**5.30**	**4.86**	**5.95**	**4.99**	**2.33**	72.36
1897	**2.42**	**13.53**	**5.14**	**5.98**	**1.15**	**0.96**	**6.28**	**12.19**	**0.29**	**0.77**	**4.59**	**4.58**	57.88
1898	**1.89**	**6.82**	**2.07**	**2.69**	**0.59**	**5.31**	**7.89**	**17.48**	**7.02**	**0.98**	**8.26**	**5.98**	66.98
1899	**4.65**	**4.20**	**3.37**	**1.22**	**2.50**	**8.23**	**11.57**	**7.88**	**1.80**	**3.59**	**4.27**	**5.46**	58.74
1900	**4.63**	**11.59**	**7.31**	**7.04**	**2.25**	**12.96**	**7.83**	**3.91**	**6.11**	**6.48**	**1.92**	**6.07**	78.10
1901	**5.46**	**6.71**	**6.22**	**6.94**	**4.14**	**1.78**	**6.00**	**9.60**	3.87	1.48	1.30	6.78	60.28
1902	3.11	9.87	6.68	3.31	7.65	**2.36**	**6.00**	6.50	5.15	3.20	4.45	5.77	64 05
1903	4.25	10.36	4.72	0.45	3.95	9.70	4.59	6.65	0.86	3.68	3.83	3.95	56.99
1904	4.95	5.55	3.95	1.56	3.92	**2.0**	**4.20**	**6.87**	**2.46**	1.76	2.18	5.86	45.32
1905	4.02	10.01	3.45	3.30	9.02	6.94	6.83	6.59	5.37	7.90	3.10	5.70	72.23
1906	4.37	1.90	7.25	**1.27**	3.65	4.20	10.20	4.20	6.55	0.20	0.30	4.55	48.64
1907	2.30	3.37	1.87	7.12	9.03	1.11	4.15	3.65	5.47	0.85	2.50	**8.60**	50.02
1908	5.47	3.89	3.15	4.86	4.13	1.35	3.90	2.07	2.28	0.38	0.81	1.87	31.16
M'ns	4.69	7.48	4.79	3.48	4.36	4.85	6.60	7.16	3.59	2.60	3.33	4 95	57.88

Data in bold-face type mainly from the records of the stations at Brewton and Alco.

GADSDEN, ETOWAH COUNTY, ALA.
Elevation, 621 feet.

1884	**7.28**	**8.90**	**6.55**	**6.21**	**1.28**	7.20	4.98	3.48	0.20	1.25	1.18	6.91	55.42
1885	7.88	3.70	5.68	1.80	6.95	3.24	5.02	5.54	4.07	3.75	4.93	6.25	58.81
1886	8.00	2.80	11.90	4.18	4.72	10.87	1.20	1.54	2.50	1.10	5.24	4.50	58.55
1887	2.38	4.82	3.25	1.35	0.91	1.28	7.50	1.59	3.05	3.50	0.40	11.10	41.13
1888	9.53	3.77	8.10	3.20	5.13	4.70	2.75	4.12	7.08	4.20	6.56	2.59	61.73
1889	6.36	6.39	3.95	2.90	1.60	**6.28**	**1.96**	**2.38**	**6.44**	**1.33**	2.75	1.07	43.41
1890	**3.91**	**11.61**	5.75	3.52	5.08	2.64	**7.07**	**4.71**	**10.07**	**3.44**	**0.35**	4.46	62.61
1891	6.40	9.64	6.69	1.90	1.61	**7.50**	5.24	3.26	3.59	0.30	4.01	4.64	54.78
1892	7.01	3.22	5.98	9.46	2.22	3.93	7.18	8.91	3.00	0.00	7.91	3.77	62.59
1893	3.20	7.67	4.80	5.64	8.72	4.62	2.63	3.07	3.38	1.05	1.70	4.05	50.53
1894	5.83	7.36	2.72	3.94	1.92	6.28	3.97	4.53	3.80	0.90	1.27	6.26	48.78
1895	7.97	2.38	6.86	4.23	5.24	4.52	3.66	6.16	0 45	0.50	3.31	3.93	49.21
1896	5.00	4.81	3.90	2.68	4.26	3.01	**4.93**	**1.66**	**1.82**	**1.15**	4.31	0.57	38.10
1897	5.14	7.24	8.15	3.84	1.51	2.59	3.64	4.06	0 04	0.30	0.94	6.56	44.01
1898	4.88	0.71	2.99	6.79	0.04	1.16	5.49	3.97	3.19	13.43	3.87	2.04	48.56
1899	4.42	6.23	12.87	3.21	1.94	1.49	5.90	3.69	0 08	1.28	4.39	7.16	52.16
1900	8.13	6.14	7.86	11.84	1.66	9.09	3.47	2.91	5.59	4 94	4.37	4.18	65.18
1901	5.56	3.59	9.05	6.15	5.23	4.10	1.44	10.44	4.20	1.13	2.03	10.07	62.99
1902	4.03	6.88	9.98	2.14	0.91	0.71	2.14	2.09	4.60	3.34	2.73	0.79	46.34
1903	3.86	11.18	6.96	3.76	6.14	4.68	4.56	2.62	0.32	3.54	2.20	1.40	51.22
1904	4.22	3.16	4.06	3.30	2.72	3.90	4.05	5.66	1.76	0.70	2.43	4.82	40.78
1905	6.16	7.62	2.66	3.88	7.74	2.76	2.12	4.72	2.64	4.38	2.41	6.96	54.05
1906	3.58	1.54	12.76	0.62	4.24	3.84	11.78	2.36	5.13	5.06	3.76	4.55	59.22
1907	1.50	4.74	4.16	4.54	7.93	1.76	6 88	4.16	7.64	1.50	5.28	4.04	51.13
1908	2.72	6.62	4.62	4.36	3.20	1.09	2.70	2.00	3.04	2.52	0.84	8.16	41.78
M'ns	5.20	5.71	6.49	4.22	3.72	4.13	4.49	3.99	3.51	2.58	3.17	5.07	52.28

GOODWATER, COOSA COUNTY, ALA.
Elevation, 826 feet.

1895	**6.69**	**3.56**	**9.14**	**3.99**	**3.25**	**2.26**	4.27	6.13	0.02	2.00	1.35	4.04	46 70
1896	5.93	4.36	6.39	2.83	3.89	3.36	4.57	0.69	3.05	1.05	3.14	0.50	39.76
1897	3.20	4.33	8.38	3.90	0.10	3.18	4.16	3.62	0.94	0.00	**1.78**	**1.05**	34.64
1898	1.45	0.75	2.29	4.41	0.16	4.92	8.18	9.02	1.37	3.76	5.32	2.20	43.83
1899	5.21	**9.39**	7.26	3.41	2.79	2.27	10.22	3.25	0.26	2.21	2.70	5.85	54.82
1900	4.08	10.28	5.85	6.10	2.30	10.35	6.60	4.79	3.44	8.74	5 57	7.38	75.48
1901	7.11	5.26	5.01	4.39	5.31	4.78	6.14	8.54	2.67	1.28	1.84	7.76	60.09
1902	3.92	5 96	11.12	2.84	2.01	0.44	6.63	3.10	2.93	2.53	4.46	5 70	51.70
1903	3.33	16.66	6 87	4.39	6.95	4.90	2.36	3.39	1.93	1.46	1.06	3.06	56.36
1904	6.17	4.70	1.82	1.46	2.69	5.11	4.80	13.17	0.05	0.06	2.86	3.14	46.03
1905	7.32	6.56	4.02	4.41	5.38	2.10	6.23	5.33	2 00	4.91	1.86	7.18	57.30

GOODWATER, ALA.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1906	5.89	2.70	12.16	1.10	3.85	4.78	6.53	5.14	12.11	3.84	3.32	3.10	64.52
1907	2.55	5.57	2.54	6.77	7.45	4.28	2.92	4.07	4.96	0.81	5.98	5.22	53.12
1908	6.18	6.28	2.24	4.10	5.98	2.00	2.48	4.23	0.11	1.69	2.08	4.20	41.57
M'ns	4.93	6.17	6.08	3.86	3.86	3.91	5.44	5.32	2.56	2.45	3.09	4.32	51.99

HIGHLAND HOME, CRENSHAW COUNTY, ALA.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1892	13.64	2.88	11.16	0.88	2.86	3.03	9.19	6.04	2.12	0.86	2.29	3.74	58.69
1893	4.78	5.16	3.81	3.64	6.55	4.93	6.18	9.12	3.95	2.90	3.16	2.95	57.03
1894	1.92	7.57	4.26	4.29	0.75	1.82	6.19	4.76	1.01	6.15	0.38	5.55	44.65
1895	7.19	2.40	9.74	2.06	4.19	9.09	2.73	10.81	0.28	2.17	0.54	3.37	54.57
1896	3.63	5.79	4.91	3 93	2.70	4.11	6.73	0.84	0.50	3.21	5.32	2.00	43.67
1897	1.75	6.32	8.12	4.07	0.20	1.57	2.81	8.01	1.24	1.74	0.50	2.56	38.89
1898	2.06	2.89	2.61	4.34	1.77	5.09	5.40	9.81	2.40	2.90	7.02	5.23	51.52
1899	6.04	4.98	3.21	1.05	1.15	4.05	7.94	3.70	0.62	2.58	1.01	3.41	39.74
1900	2.39	11.28	6.80	7.87	1.34	6.36	2.28	6.32	2.73	4.36	3.22	3.70	58.65
1901	4.79	5.99	7.14	5.48	5.53	4.76	4.80	4.92	2.83	0.43	1.53	9.38	57.58
1902	2.63	10.29	7.67	1.90	1.83	0.33	1.39	3.06	3.12	2.42	4.80	7.34	46.78
1903	2.17	9.57	5.29	2.20	6.62	5.75	5.35	3.28	1.64	1.46	3.68	3.87	50.88
1904	4.88	6.52	4.20	1.99	1.96	3.52	5.75	5.02	0.74	0.00	2.81	3.77	41.16
1905	4.33	6.95	3.50	2.15	3.99	3.21	5.35	4.53	1.48	3.16	2.27	5.88	46.80
1906	3.46	3.46	6.72	0.52	5.75	2.83	7.08	1.45	10.12	1.38	3.10	4.08	49.95
1907	1.75	3.80	3.72	6.19	7.81	2.74	4.43	3.41	4.22	2.52	9.10	10.50	60.19
1908	6.74	2.47	5.82	7.96	5.28	2.80	8.73	0.61	3.48	1.91	1.60	1.43	48.83
Mn's	4.36	5.78	5.81	3.56	3.55	3.88	5.43	5.04	2.50	2.36	3.08	4.63	49.98

PENSACOLA, ESCAMBIA COUNTY, FLA.

Elevation, 56 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1879	....	....	....	....	....	....	....	....	....	....	1.53	2.17	....
1880	0.95	3.19	5.99	3.78	5.85	2.75	7.39	4.68	11.54	7.08	5.86	2.24	61.30
1881	7.49	8.99	3.80	4.53	1.40	4.27	5.59	18.52	8.47	4.93	7.27	10.76	86.02
1882	3.31	4.67	3.07	4.27	3.51	3.95	7.02	8.39	8.49	5.05	4.16	6.12	72.01
1883	9.97	2.12	3.26	6.74	7.47	9.36	3.29	8.75	0.32	1.91	3.06	5.30	61.55
8884	3.69	3.43	5.75	5.67	6.64	7.84	8.79	2.07	4.83	2.43	5.16	5.60	61.90
1885	8.12	3.20	4.54	5.49	1.42	3.98	2.41	11.74	5.50	2.38	11.07	4.72	64.57
1886	5.30	2.18	13.37	6.83	0.75	7.67	8.85	8.82	1.29	0.20	2.76	4.13	62.15
1887	3.66	3.42	2.25	0.95	1.84	14.11	4.96	3.42	4.64	5.52	0.65	6.89	52.31
1888	4.14	6.86	8.90	1.60	4.81	7.42	2.20	9.58	4.78	2.49	4.71	4.42	61.91
1889	6.46	3.03	5.99	0 94.	2.06	4.04	10.78	6.95	4.70	1.79	5.82	0.18	52.74
1890	0.65	2.03	2.89	1.34	3.14	2.21	13.68	3.89	6.98	7.76	0.69	1.76	47.02
1891	4.18	3.39	6.94	1.65	2.25	2.57	5.59	0.72	1.50	0.04	3.88	2.87	35.58
1892	8.72	0.53	2.47	0.42	0.19	3.55	11.48	8.74	1.72	1.28	2.94	1.98	44.02
1893	2.26	3.63	3.88	2.54	3.07	4.16	4.12	6.34	6.48	4.67	2.53	1.25	44.93
1894	2.92	9.22	7.52	1.73	2.57	0.87	6.17	13.67	4.11	3.06	0.70	1.45	53.99
1895	3.12	2.48	6.69	7.16	6.28	7.08	5.33	7.48	1.41	2.67	1.27	4.33	55.30
1896	2.98	2.98	6.97	1.14	2.81	12.46	11.76	5.87	1.63	6.86	4.59	2.09	62.14
1897	0.74	10.26	5.31	3.08	1.26	5.03	2.19	5.67	2 35	1.33	3.61	2.86	40.69
1898	1.75	5.97	3.01	1.68	0.04	2.88	4.84	18.58	17.93	4.74	6.73	4.05	72.20
1899	2.72	3.86	6.42	0.74	2.00	5.04	7.59	10.49	0.91	2.05	4.99	6.05	52.86
1900	2.47	8.19	6.65	4.19	1.01	11.79	10.71	2.54	3.18	10.90	1.45	7.74	70.82
1901	3 18	3.44	9.77	7.45	5.50	0.27	6.74	6.53	3.76	3.21	1.22	4.05	52.12
1902	0.63	5.74	8.06	1.55	1.75	1.41	2.01	3.16	8.04	2.69	2.91	3.59	41.54
1903	6.37	8.31	6.36	0.10	2.24	3.28	8.07	2.73	0.47	6.00	11.46	3.49	58.88
1904	3.47	2.20	1.45	1.08	1.03	2.58	9.75	10.54	0.29	0.19	3.82	6.72	43.12
1905	6.39	4.86	3.15	3.38	5.27	0.93	5.02	9.71	9.23	5.60	1.70	7.41	62.65
1906	2.98	2 90	6.66	0.64	1.74	2.41	4.47	1.61	16.48	3.83	0.63	2.70	47.05
1907	4.05	3.85	1.04	8.97	5.33	0.94	9.20	3.90	14.51	0.83	3.39	11.06	67.08
1908	5.86	3.96	3.85	2.32	2.42	4.38	6.82	3.66	4.83	0 93	0.07	2 31	42.01
M'ns	4.09	4.45	5.28	3.17	2.95	4.70	6.79	7.54	5.53	3.53	3.71	4.34	56.08

PINE APPLE, WILCOX COUNTY, ALA.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1882.	....	....	....	3.60	2.62	1.80	5.03	3.52	1.15	1.45	....	....	....
1883	....	....	....	5.05	2.15	3.04	1.26	1.68	0.48	1 05	....	....	....
1884	....	....	....	3.23	2.66	4.50	3.88	3.25	0.60	1.09	....	....	....
1885	....	....	....	....	3.95	2.83	0.92	3.84	2.88	1.75	....	....	....
1886	....	....	....	8.26	2.79	6.62	6.37	2.66	0.21	0.00	....	....	....
1887	5.14	8.65	0.20	1.00	1.80	3.30	5.10	2.80	1.08	2 20	1.42	15.95	49.24
1888	0.54	2.05	7.40	0.60	1.00	5.30	1.50	8.10	5.10	4.10	3.55	2.37	41.61
1880	7.80	4.91	2.65	5.22	0.30	6.90	0.19	0.23	0.67	0.10	5.60	0.02	34.59
1890	1.37	1.49	3.71	T.	5.01	3.60	4.30	0.70	6.26	5.53	0.03	1.50	33.56
1891	1.41	8.97	6 90	1.07	1.68	2.80	5.46	1.08	3.25	0.00	3.52	4.60	40.74
1892	12.55	1.63	9 06	0.63	3.11	4.40	7.62	5.99	1.09	0.85	2.68	4.78	54.39
1893	2.80	4.70	3.64	2.83	5.74	3.57	1.46	4.23	4.71	5.16	3.25	2.15	41.25
1894	1.71	6.51	5.85	2.32	2.45	2.74	4.11	4.77	1.43	1.62	0.39	3.51	37.44
1895	7.59	3.22	9.23	1.59	5.26	5.85	3.51	5.31	0.92	1.82	1.50	1.05	46.85
1896	3.40	2.93	3.85	3.16	2.77	5.53	4.47	2.98	0.00	2.66	0.54	2.15	31.44
1897	1.23	8.46	6.03	3.01	0.60	1.09	3.48	5.16	0.40	0.30	1.78	6.03	37.57
1898	3.65	4.75	2.40	4.85	0.43	4.45	4.35	5.87	2.50	2.19	6.55	3.85	45.85
1899	3.00	2.47	4.40	0.90	0.80	2.54	5.77	4.05	1.20	1.40	2.35	4.09	32.97
1900	4.95	7.50	7.00	8.33	1.75	10.60	6.90	0.50	4.09	2.30	1.20	4.10	59.22
1901	4.75	5.40	3.00	3.43	4.55	2.95	1.65	7.75	2.95	0.56	2.41	12.55	51.95
M'ns	4.13	4.91	5.02	3.11	2.57	4.22	3.90	3.69	2.05	1.81	2.45	4.58	42.44

MAPLE GROVE, CHEROKEE COUNTY, ALA.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1893	2.80	6.87	3.38	6.10	8.20	3.72	1.56	3.83	2.26	1.04	2.73	4.41	46.90
1894	6.22	4.48	3.73	3.28	1.21	3.41	5.01	5.13	4.21	0.66	1.08	7.39	46.41
1895	10.90	3.65	7.57	5.79	4.59	4.86	4.17	6.20	0.64	2.54	2.15	2.98	56.04
1896	5.55	5.18	5.81	3.07	4.75	2.68	3.72	2.06	1.95	1.25	6.09	0.77	42.88
1897	5.29	3.56	13.73	4.34	0.75	1.35	3.77	4.57	1 35	1.60	0.75	7.24	48.30
1898	4.37	1.32	3.67	4.90	0.14	4.52	6.34	4.77	4.76	8.85	3.66	1.73	49.03
1899	4.53	7.10	15 60	3.71	1.27	2.61	7.48	2.23	0.71	1.34	3.90	6.05	56.53
1900	3.23	7.99	6.69	11.86	4.34	9.91	4.77	2.39	6.58	3.10	4.73	4.06	69.45
1901	8.59	4.00	8.32	6.18	6.84	0.95	1.32	14.76	4.23	1.10	1.77	11.94	70.00
1902	5.58	5.59	10 57	3.03	0.89	0.63	2.01	1.79	5.73	3.98	4.71	5.91	50.42
1903	3.11	13.63	8.83	4.68	6.83	2.78	3.89	1.10	1.05	2.50	2.77	1.44	52.66
1904	3.89	3.26	4.08	2.34	3.00	3.34	4.29	4.61	0.38	0.74	3.60	4.21	37.74
1905	4.28	7.62	2.75	4.71	6.32	4.81	3.10	6.43	3.18	5.59	2.19	7.88	58.86
1906	5.82	1.47	11.95	1.02	2.38	4.22	14.11	2.18	8.99	3.97	3.74	5.72	64.57
1907	2.06	4.88	3.94	3.69	7.28	2.74	5.19	3.72	8.13	1.17	5.59	4.18	52.57
1908	3.09	5.35	4.14	4.55	3.32	1.10	3.87	3.49	3.46	3.07	2.32	7.35	45.92
Mn's	4.94	5.36	7.17	4.57	3.88	3.35	4.70	4.33	3.60	2.66	3.24	5.20	53.00

MARIANNA, JACKSON COUNTY, FLA.

Elevation, 80 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1901	....	3.57	5.57	2.93	6.61	2.84	4.47	8.43	4.67	1.30	1.28	2.93	....
1902	0.70	6.15	12.38	1.27	4.99	3.63	5.14	2.66	12.80	2.50	3.79	1.72	57.75
1903	3.93	5.34	4.63	1.24	7.82	5.96	4.69	4.56	5.44	0.85	7.26	....	....
1904	....	....	2.91	2.26	1.84	3.67	6.64	10.18	2.18	T.	3.31	3.51	....
1905	5.11	9.06	5.62	....	4.95	4.95	4.45	7.94	4.45	4.50	1.20	11.20	....
1906	6.90	4.65	....	0.55	6.60	6.45	7.42	6 63	12.23	3.85	1.90	....	....
1907	....	3.30	1.90	4.68	3.17	2.18	7.95	4.41	11.94	1.07	....	....	....
1908	....	....	....	....	3.25	5.32	4.42	3.45	3.27	0.16	0.00	0.43	....
Mn's	4.16	5.34	5.49	2.16	4.90	4.38	5.64	6.04	7.12	1.78	2.68	3.96	53.65

MOBILE, MOBILE COUNTY, ALA.

Elevation, 57 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1871	6.50	5.13	9.76	2.93	6.18	6.17	4.24	3.70	3.95	5.33	6.68	1.36	61.93
1872	3.69	8.00	12.76	4.35	3.78	6.33	13.37	1.69	2.11	2.77	5.65	3.70	68.20
1873	4.16	3.15	3.86	0.88	11.47	9.87	8.75	10.35	8.07	1.85	3.28	2.97	68.61
1874	2.48	2.72	10.57	10.92	1.23	5.69	10.21	3.79	2.54	0.00	2.04	4.17	56.36
1875	5.79	7.15	8.39	7.51	1.46	2.45	4.00	2.07	8.52	2.32	5.06	3.01	62.73
1876	3.14	4.32	8.01	3.88	4.32	3.35	5.38	11.53	1.76	5.37	5.36	7.18	58.60
1877	6.30	1.40	5.94	8.40	1.68	7.07	3.74	3.69	12.68	6.15	4.70	5.99	68.74
1878	4.57	3 40	4.33	4.09	4.90	6.60	2.98	9.95	3.86	4.84	6.31	7.64	63.47
1879	0.78	1.99	5.94	6.42	3.56	2.35	11.17	10.54	1.33	5.15	4.72	3.38	57.33
1880	1.18	5.73	9.41	2.99	5.62	5.08	4.92	4.75	7.04	7.32	*	3.71	....
1881	7.62	8.00	10.41	9.21	1.44	4.85	2.77	15.22	11.71	3.23	7.36	9.15	90.97
1882	6.77	4.54	5.13	9 92	6.78	2.40	9.52	9.76	4.05	8.29	2.67	5.84	74.67
1883	8.86	3.63	4.21	7.25	8.51	9.43	3.31	5.88	0.96	0.84	2.51	3.11	58.50
1884	7.40	5.01	11.53	5.54	8.48	7.01	4.96	1.26	1.78	5.36	4.12	5.10	67.55
1885	11 95	2.85	6.36	5.24	3.27	4.18	3.81	6.07	9.25	1.19	4.83	5.00	64.00
1886	6.12	2.15	14.62	5.86	1.27	5.94	6.59	3.55	2.69	0.13	3.36	1.97	54.25
1887	2.90	6.62	3.65	1.93	3.06	8.91	4.31	4.31	6.21	2.45	0.44	7.21	52.00
1888	3.20	10.33	7.24	3.39	7.30	13.56	5.36	14.35	3.04	2.48	2.46	2.88	75.59
1889	5.07	4.64	3.48	1.65	2.98	5.35	9.55	2.80	6.97	0.08	6.78	0.53	49.88
1890	0.60	2.95	2.18	1.98	5.50	4.20	9.22	4.79	3.61	5.58	0.32	1.55	42.51
1891	6.50	4.54	6.96	1.65	0.67	7.09	7.50	3.50	4.05	0.20	7.60	6.81	57.07
1892	9.97	2.09	8.52	3.10	1.49	4.09	14.43	13.47	4.93	3.03	1.93	7.06	74.11
1893	3.17	3.65	3.97	3.72	6.64	6.63	2.84	7.33	11.53	8.56	3.54	1.84	63.42
1894	3.97	9.46	11.57	1.98	1.44	1.84	5.91	4.49	4.37	4.31	0.21	4.42	53.91
1895	5.24	4.35	10.47	3.04	5.50	6.99	4.53	8.68	1.68	3.50	0.60	3.83	58.41
1896	4.16	7.70	7.59	2.20	1.96	7.18	12.30	4.05	2.52	4.31	2.86	3.56	60.39
1897	2.97	7.70	7.43	5.73	3.54	4.00	7.75	11.56	2.12	2.12	3.20	4.97	63.18
1898	2.15	5.58	1.90	2.61	0.81	4.86	5.65	12.35	16.40	3.30	7.44	3.11	66.11
1899	4.46	3.72	7.56	1.02	1.00	5.77	9.80	4.21	1.22	1.31	2.62	4.27	46.96
1900	4.12	10.10	6 81	7.17	10.14	26.67	4.33	4.70	4.01	4.63	3.76	4.74	91.18
1901	4.62	4.04	8.84	7.79	2.85	2.71	8.95	9.77	2.51	0.73	1.09	8.44	62.34
1902	2.79	8.82	6.52	2.07	3.00	0.53	2.65	3.30	4.60	4.50	2.53	7.35	48.66
1903	5.39	8.83	6.63	0.64	5.40	2.65	5.03	6.37	0.83	0.99	0.85	4.40	48.01
1904	3.77	4.01	2.51	1.21	2.12	1.64	7.98	8.72	1.92	0.29	2.56	2.77	39.50
1905	5.53	11.15	10.82	2.53	7.75	2.43	9.18	8.03	3.73	7.32	3.24	7.02	78.73
1906	3.73	4.87	7.16	1.22	3.00	3.57	6.87	3.36	11.78	3.81	1.34	2.44	53.15
1907	2.70	8.19	2.68	11.90	6.06	1.13	2.60	9.33	6.98	0.82	0.90	8.24	70.53
1908	9.49	4.35	6.87	6.42	4.82	2.28	7.41	3.91	7.32	0.33	1.23	2.47	58.90
Mn's	4.80	5.45	7.17	4.48	4.24	5.60	6.68	6.90	5.12	3.15	3.65†	4.56	61.80

*Office destroyed by fire. †For 37 years.

ROCK MILLS, RANDOLPH COUNTY, ALA.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1893	3.27	9.43	3.37	4.19	6.50	5.09	6.70	8.19	1.19	2.28	2.41	3.24	55.86
1894	4.03	8.81	5.81	3.81	1.75	0.81	13.37	6.91	2.66	3.43	0.67	4.57	56.63
1895	7.23	2.66	7.55	6.39	3.11	5.59	6.24	8.29	1.29	1.87	1.35	3.32	54.89
1896	5.53	4.00	4.12	2.25	3.41	4.30	7.58	0.70	3.95	0.90	3.54	2.20	42.48
1897	3.39	7.00	7.71	6.50	0.40	3.56	6.57	8.68	0.00	1.29	2.04	4.07	51.21
1898	3.18	1.05	4.34	6.49	0.42	1.76	4.96	13.89	0.71	8.31	6.49	4.30	55.90
1899	6.34	7.10	6.53	3.12	2.45	1.92	5.35	1.68	0.15	3.97	2.42	5.15	46.18
1900	2.60	9.90	5.19	3.27	1.75	9.96	6.24	3.33	4.99	6.62	5.72	5.70	65.27
Mn's	4.45	6.24	5.58	4.50	2.47	4.12	7.13	6.46	1.87	3.58	3.08	4.07	53.55

MONTGOMERY, MONTGOMERY COUNTY, ALA.
Elevation, 240 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1872	....	....	....	....	....	....	....	....	3.38	0.53	5.73	4.08	....
1873	4.97	9.97	4.51	5.57	10.25	11.08	4.17	2.56	3.05	0.68	4.58	2.61	64.00
1874	3.69	7.57	10.66	9.45	2.03	4.31	3.87	1.25	0.39	1.97	2.60	5.14	51.93
1875	6.71	7.80	11.56	3.54	1.67	1.94	0.99	2.14	8.13	1.68	5.90	6.04	58.16
1876	3.70	5.07	7.33	10.99	6.55	4.85	6.24	3.05	1.61	0.96	3.42	5.97	59.74
1877	6.67	2.68	7.17	10.36	0.82	2.94	3.43	1.07	4.07	2.51	3.75	4.79	50.26
1878	5.39	2.59	2.64	5.91	4.06	5.85	4.59	7.67	2.55	3.49	3.92	6.74	55.40
1879	2.06	2.14	2.68	4.50	3.90	3.22	5.21	4.54	1.12	10.29	1.47	7.42	48.55
1880	1.65	6.19	9.26	6.42	7.07	0.90	3.17	4.41	2.83	2.66	4.06	5.68	54.30
1881	3.58	7.05	5.45	4.52	1.41	3.04	2.18	5.06	4.49	2.72	4.56	9.75	53.81
1882	4.54	9.27	6.92	5.03	2.94	3.98	6.29	3.41	4.18	2.40	1.91	3.88	54.75
1883	7.20	2.00	3.61	8.16	2.62	5.02	0.87	2.08	0.22	2.00	1.70	4.23	39.71
1284	4.82	4.80	9.50	3.08	1.18	10.26	2.80	3.05	0.58	1.87	2.67	4.00	48.61
1885	9.72	3.68	2.93	3.92	8.92	4.32	7.54	3.93	4.83	2.38	3.59	3.13	58.89
1886	6.69	4.10	6.86	7.38	2.95	8.61	3.37	5.37	1.12	0.03	6.72	3.05	56.25
1887	5.08	7.47	0.72	1.18	2.84	3.31	8.56	2.04	2.03	2.47	0.79	8.25	44.74
1888	4.12	7.67	11.51	1.08	5.19	4.82	3.86	6.51	5.73	5.39	3.38	2.13	61.39
1889	6.70	3.49	2.95	3.13	1.28	4.02	5.70	6.33	4.35	1.01	6.17	0.49	45.62
1890	2.53	3.43	3.93	1.37	10.19	4.57	3.42	4.73	6.03	5.87	0.26	1.85	48.18
1891	3.57	8.43	9.73	1.96	3.46	6.44	4.36	3.01	2.15	0.01	3.32	4.61	51.05
1892	17.78	3.04	11.89	1.14	2.55	3.83	9.56	7.82	2.68	0.45	4.40	4.71	69.85
1893	3.18	4.92	2.89	4.13	6.93	3.68	6.19	5.72	3.69	1.21	2.65	2.29	47.48
1894	2.58	6.98	4.88	3.49	2.56	2.45	4.38	4.76	0.85	2.96	0.73	4.73	41.35
1895	6.69	3.56	9.14	3.99	1.80	3.99	3.47	4.50	0.74	1.26	0.87	3.44	43.45
1896	6.10	6.03	4.58	4.17	3.12	6.10	6.46	2.31	1.16	1.02	2.64	2.13	45.82
1897	3.26	5.65	12.02	6.30	0.68	3.79	1.40	6.49	1.06	0.55	1.68	3.37	46.25
1898	1.52	2.33	2.05	4.31	0.50	1.41	5.26	7.92	1.13	2.54	7.09	2.69	39.75
1899	5.72	6.09	2.20	2.41	1.73	1.85	13.42	7.89	0.66	3.77	1.80	4.09	51.63
1900	3.40	9.20	4.84	5.70	2.69	7.23	4.53	2.31	4.43	5.29	5.30	5.00	59.92
1901	4.75	3.89	5.80	6.05	5.21	1.55	1.85	6.91	5.02	0.22	2.23	8.76	52.24
1902	3.73	8.72	8.60	2.09	5.62	1.57	0.43	2.53	2.94	3.24	3.69	5.46	48.62
1903	3.16	11.76	5.21	3.04	6.11	5.63	2.25	4.57	1.06	1.65	1.61	2.94	48.99
1904	4.31	5.78	2.30	1.82	3.47	2.19	3.91	6.81	0.78	T.	2.59	3.04	37.00
1905	4.99	6.28	2.61	1.76	9.10	3.05	2.54	2.49	2.83	3.87	1.73	5.98	47.23
1906	4.91	3.80	10.78	0.71	4.34	1.59	7.93	1.80	7.80	1.73	1.44	3.30	50.13
1907	1.80	4.51	1.94	6.01	6.27	3.62	4.29	1.07	3.29	1.14	8.75	7.14	49.83
1908	5.05	3.55	5.36	10.96	3.90	0.45	4.75	2.72	1.34	3.08	1.88	3.02	46.06
M'ns	5.11	5.52	6.38	4.25	3.82	4.21	4.66	4.24	2.88	2.44	3.13	4.50	51.16

OPELIKA, LEE COUNTY, ALA.
Elevation 817 feet.

1868	....	....	....	5.69	2.91	0.25	5.53	3.28	4.59	9.75	2.09	4.12	....
1869	....	....	....	....	1.81	4.69	5.12	2.68	0.44	0.56	4.19	4.75	....
1882	**4.47**	**11.31**	**9.28**	4.21	1.36	2.65	4.02	6.60	2.71	1.78	**2.48**	**3.88**	54.75
1883	**8.97**	**2.44**	**2.58**	10.65	4.15	4.71	2.94	2.50	0.60	2.58	**1.85**	**5.47**	49.26
1884	**5.38**	**4.20**	**10.07**	3.10	0.64	10.15	5.88	1.47	0.29	0.56	**2.52**	**4.78**	49.04
1885	**9.25**	**3.59**	**3.41**	**2.03**	7.13	3.33	6.98	3.75	6.43	4.56	**4.70**	**2.98**	58.14
1886	**7.92**	**4.31**	**8.03**	**3.30**	5.82	10.73	5.13	4.61	0.53	0.00	**5.04**	**3.92**	59.34
1887	**4.05**	**6.79**	**2.27**	**1.59**	5.09	2.56	20.18	6.53	2.56	3.04	**0.08**	**13.84**	68.58
1888	**3.13**	**7.34**	**11.24**	1.45	6.50	5.28	2.80	4.45	7.20	4.60	**4.96**	**2.94**	61.39
1889	**9.12**	**5.72**	**2.81**	**3.73**	1.40	4.34	4.63	2.03	2.66	0.59	4.09	**0.68**	41.80
1890	**2.64**	**3.30**	**2.66**	**1.52**	5.55	3.28	4.71	5.75	4.79	7.33	0.09	**2.62**	44.24
1891	**4.98**	**11.20**	**6.96**	**2.03**	3.23	4.76	4.27	5.04	0.94	T.	3.38	**4.07**	50.86
1892	**8.13**	**3.72**	**7.49**	**2.27**	2.73	6.01	6.31	4.94	2.72	0.19	4.27	**3.18**	57.95
1893	**2.03**	**7.43**	**2.64**	**5.88**	5.31	5.26	2.07	5.69	3.63	2.10	1.08	**2.59**	45.71
1894	**3.19**	2.22	1.75	0.48	1.98	0.18	2.34	5.03	1.47	3.17	0.72	2.10	24.63
1895	6.31	2.76	4.45	3.18	4.16	6.72	3.86	3.66	0.84	0.90	1.24	3.58	41.66
1896	6.53	3.87	2.48	1.29	1.63	1.94	5.54	1.39	1.94	1.02	5.10	1.30	34.03
1897	1.25	5.92	9.09	5.37	1.03	0.70	6.33	5.38	0.96	2.14	3.29	3.33	44.79
1898	4.89	1.85	3.15	4.11	0.11	1.26	6.39	9.30	3.43	9.27	7.26	7.66	58.68
1899	7.41	6.42	5.58	2.54	2.39	2.47	3.98	3.69	0.31	2.78	1.75	5.96	45.28
1900	3.52	10.87	6.10	4.51	0.07	9.89	4.64	4.05	6.16	8.29	7.80	7.17	73.07
1901	9.59	7.14	9.63	7.60	4.09	4.08	3.45	5.82	3.35	0.50	1.25	10.88	67.38
1902	4.37	10.75	12.48	3.33	0.87	1.14	3.53	7.26	5.37	8.18	6.75	6.27	70.30
1903	3.36	**11.36**	7.38	4.73	9.38	5.31	3.60	3.84	2.97	1.39	0.59	3.39	57.30
1904	5.48	6.33	3.01	1.10	3.05	6.46	5.48	5.71	0.09	0.00	2.60	3.80	43.11
1905	4.42	6.31	2.11	4.39	4.25	1.53	1.94	9.32	1.41	4.43	1.82	11.72	53.65
1906	3.86	1.84	7.38	1.28	4.75	4.73	8.61	1.88	7.11	4.16	2.20	3.99	51.79
1907	2.19	5.03	2.40	7.16	4.49	3.51	5.64	1.65	3.43	1.59	7.92	8.46	53.47
1908	3.30	6.69	4.95	9.68	2.74	1.11	2.49	4.12	1.12	2.03	2.29	4.21	43.73
M'ns	5.17	5.95	5.61	3.83	3.41	4.10	5.12	4.52	2.76	3.01	3.22	4.95	51.65

OZARK, DALE COUNTY, ALA.
Elevation, 400 feet.

1887	**6.50**	**6.70**	**1.58**	**3.35**	**0.95**	**2.02**	**9.15**	**3.12**	**2.50**	**3.76**	**0.00**	**8.00**	47.63
1888	**2.10**	**3.50**	**6.50**	**2.75**	**2.00**	**3.55**	**1.45**	**10.75**	**4.73**	**5.18**	**4.08**	**2.31**	48.90
1892	**7.13**	**3.70**	**3.59**	**0.49**	**0.68**	**6.14**	**11.09**	**7.35**	**3.78**	**0.59**	**1.19**	**5.12**	51.03
1893	**2.80**	**4.90**	**4.97**	**3.67**	**4.07**	**5.43**	**4.58**	**8.74**	**6.27**	**4.42**	**2.87**	**4.25**	56.97
1894	**9.38**	**14.81**	**3.61**	**5.21**	**5.92**	**4.82**	**3.24**	**7.07**	**2.85**	**5.89**	**0.82**	**3.78**	67.40
1895	**7.11**	**3.03**	**6.49**	**2.99**	**1.10**	**7.97**	**4.05**	**7.39**	**0.37**	**2.68**	**0.71**	**2.68**	46.57
1896	**6.39**	**5.58**	**3.88**	**2.00**	**1.30**	**3.04**	**12.57**	**2.29**	**3.80**	**2.51**	**7.04**	**2.96**	53.36
1897	**2.25**	**10.44**	**14.51**	**3.55**	**1.68**	**0.95**	**10.49**	**8.37**	**1.34**	**2.16**	**1.26**	**2.34**	59.34
1898	**2.73**	**2.68**	**1.73**	**1.60**	**0.26**	**3.46**	**5.15**	**14.15**	**1.89**	**3.82**	**7.17**	**6.65**	51.29
1899	**9.97**	**8.40**	**7.08**	**4.59**	**1.32**	**3.63**	**5.70**	**8.55**	**1.24**	**7.03**	**1.18**	**4.52**	63.21
1900	**2.55**	**12.67**	**8.07**	**6.42**	**4.93**	**7.78**	**6.11**	**2.62**	**2.16**	**3.52**	**1.99**	**11.54**	70.36
1901	**4.52**	**7.70**	**7.82**	**5.88**	**5.73**	**2.65**	**3.08**	**10.07**	**11.45**	**1.91**	**3.65**	**5.13**	69.59
1902	**1.32**	**11.28**	**11.72**	**1.57**	5.59	1.30	3.00	5.30	4.78	3.23	4.46	3.07	56.62
1903	4.26	3.23	6.68	2.30	4.33	6.78	5.37	4.54	4.00	0.50	3.44	3.95	49.38

OZARK, ALA.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1904	2.55	5.75	5.19	2.80	0.66	3.39	4.20	7.77	0.33	T.	2.23	5.61	40.48
1905	6.48	8.18	1.92	3.59	7.41	4.25	2.89	2.87	1.92	3.37	1.66	4.59	49.13
1906	6.57	3.01	3.92	0.61	6.46	2.55	9.71	1.72	10.42	3.86	2.89	**3.98**	55.70
1907	**1.12**	**3.59**	**1.35**	**6.40**	3.22	1.45	7.16	8.20	12.73	1.13	5.22	**9.09**	60.66
1908	**4.50**	**7.21**	4.05	8.94	1.84	2.19	4.25	2.54	3.76	1.97	0.60	0.97	42.82
Mn's	4.75	6.65	5.51	3.62	3.14	3.86	5.96	6.50	4.23	3.03	2.76	4.77	54.78

Data in bold-face type from record at Newton, Ala.

UNION SPRINGS, BULLOCK COUNTY, ALA.
Elevation, 216 feet.

1887	3.63	4.85	0.58	1.99	2.66	5.09	15.77	0.90	5.03	2.32	1.87	7.83	52.52
1888	3.45	6.57	13.48	2.38	3.37	5.87	1.33	4.15	6.98	8.53	4.08	2.31	62.50
1889	8.39	3.62	2.18	4.27	1.23	3.42	2.46	3.01	2.53	0.27	6.83	0.50	38.71
1890	**2.58**	**3.36**	2.81	3.28	4.99	3.92	4.10	0.53	6.13	6.55	0.60	0.77	39.62
1891	**3.00**	**8.50**	**8.30**	1.96	2.52	4.57	4.58	2.09	3.59	0.23	2.71	4.78	46.83
1892	9.51	2.73	10.42	0.99	1.70	4.33	6.30	5.09	3.36	0.54	3.55	5.12	53.64
1893	4.82	6.30	2.87	2.63	9.60	3.51	3.96	10.51	2.75	2.97	2.77	1.90	54.59
1894	3.23	9.21	3.14	4.28	1.17	1.63	3.91	8.84	1.52	6.19	0.96	4.75	48.83
1895	6.12	3.24	10.90	2.92	5.24	3.70	2.31	7.40	1.81	1.00	3.17	5.04	52.85
1896	5.33	7.76	6.26	2.41	4.98	8.43	9.01	2.83	1.10	2.99	6.26	2.95	60.31
1897	4.33	10.01	12.94	3.97	1.15	3.31	5.19	5.32	0.80	1.02	3.00	2.78	53.82
1898	2.30	2.65	3.31	5.12	1.18	2.87	4.40	9.27	1.55	3.56	8.59	6.27	51.07
1899	6.85	6.05	3.80	7.00	1.60	3.43	6.95	6.93	0.58	4.40	1.10	4.58	53.27
1900	2.75	17.60	5.26	8.30	0.80	6.51	5.30	3.20	1.15	5.24	3.15	6.45	65.76
1901	4.85	6.50	8.95	5.40	7.86	4.31	2.75	6.88	5.86	1.30	2.50	8.45	65.61
1902	4.10	15.40	10.82	1.62	4.30	3.62	4.80	1.90	2.06	8.65	2.55	7.35	67.17
1903	3.60	12.33	8.35	3.40	4.55	5.10	4.89	2.16	3.96	2.23	1.90	4.06	56.53
1904	5.19	5.87	3.14	1.55	1.85	2.28	2.05	10.60	0.35	T.	2.80	5.50	41.18
1905	4.70	8.32	2.60	2.87	8.73	1.82	4.13	7.40	3.02	2.85	2.15	10.13	58.72
1906	5.24	3.78	10.13	2.00	6.77	2.95	9.81	3.01	4.53	2.60	4.25	2.75	57.82
1907	2.05	2.60	4.70	8.30	5.87	3.80	7.29	3.65	3.54	0.63	7.97	10.57	60.97
1908	4.25	9.80	6.70	7.76	2.90	1.90	5.72	3.35	2.26	3.24	2.30	3.30	53.48
M'ns	4.56	7.14	6.44	3.84	3.87	3.93	5.32	4.96	2.93	3.06	3.41	4.92	54.38

TALLADEGA, TALLADEGA COUNTY, ALA.
Elevation, 554 feet.

1882	....	....	....	0.24	0.27	0.10	0.60	0.51	0.31	0.29	....	....	....
1883	....	....	....	1.37	0.21	0.40	0.30	1.31	0.04	0.30	....	....	....
1888	3.95	5.35	12.08	1.43	5.41	7.91	4.83	6.76	9.90	4.35	3.90	3.93	69.86
1889	7.45	4.90	2.97	4.50	1.90	7.52	1.65	....	....	....	....	....	....
1890	....	....	....	....	....	....	....	....	....	....	....	2.20	....
1891	5.58	10.13	9.07	0.93	2.17	4.37	3.31	7.11	1.57	0.04	2.74	4.94	51.96
1892	10.88	3.85	7.77	5.02	3.00	1.87	12.41	6.15	1.29	0.13	4.94	3.50	60.81
1893	3.47	9.96	3.11	4.19	6.32	4.70	1.67	6.08	2.48	1.61	2.15	3.86	49.60
1894	7.37	6.02	4.16	3.10	2.22	1.42	4.81	8.40	**2.96**	**1.18**	**1.12**	**4.82**	47.58
1896	....	....	....	....	....	....	....	....	....	....	....	0.59	....
1897	3.24	5.87	8.97	3.01	1.47	1.65	3.79	3.91	0.24	0.31	1.17	5.48	39.14
1898	3.62	0.77	3.93	5.03	0.30	5.10	8.33	7.65	0.63	7.30	5.95	1.60	50.21
1899	3.84	6.20	7.35	3.55	1.35	1.53	7.17	2.99	0.00	3.22	2.72	6.10	46.02
1900	**4.02**	**8.15**	**6.35**	6.16	2.35	8.72	7.32	2.91	5.68	5.92	4.25	4.26	66.09
1901	5.62	4.54	6.09	6.46	5.82	2.57	3.91	6.97	3.66	1.64	1.32	7.44	56.04
1902	4.76	6.58	10.96	1.90	0.85	0.83	3.59	3.44	5.50	2.10	3.42	6.15	50.08
1903	2.56	11.46	7.04	2.88	6.76	2.88	4.22	4.30	1.44	2.12	0.91	1.95	48.52
1904	4.53	3.90	1.81	1.76	3.01	3.59	3.30	4.86	0.86	1.00	2.50	3.79	34.89
1905	6.45	7.17	4.21	4.86	7.10	6.81	5.00	6.43	0.92	2.96	2.47	6.27	60.65
1906	2.85	1.36	7.45	0.61	3.95	3.63	10.96	7.07	10.79	4.47	2.81	5.71	61.66
1907	2.23	6.67	3.19	7.63	8.89	2.41	5.12	2.45	4.30	1.29	6.73	4.62	55.58
1908	4.97	6.36	4.30	4.19	7.26	4.30	1.70	2.23	0.14	1.66	1.61	4.56	43.28
M'ns	4.86	6.07	6.16	3.44	3.53	3.61	4.75	4.82	2.78	2.21	2.98	4.30	49.51

VALLEY HEAD, DeKALB COUNTY, ALA.
Elevation, 1,031 feet.

1886	7.31	3.27	12.78	3.69	4.31	10.55	2.42	8.22	1.68	1.14	5.47	4.05	64.89
1887	3.35	6.12	T.	3.75	3.77	5.30	7.50	**2.09**	T.	3.70	0.47	7.88	44.53
1888	5.92	3.49	9.66	3.35	8.71	4.19	2.72	4.61	2.75	4.38	4.62	2.83	57.23
1889	5.82	7.14	3.50	2.85	3.44	5.05	2.86	3.45	6.44	1.33	7.02	1.42	50.32
1890	3.91	11.61	6.98	3.67	4.78	2.65	7.07	4.71	10.07	3.44	0.35	3.84	63.08
1891	7.34	9.58	8.18	2.52	0.61	8.65	10.05	0.84	2.70	0.00	4.70	5.77	60.94
1892	8.00	2.62	4.02	11.31	4.39	5.60	5.62	5.53	6.09	0.45	8.48	4.68	66.79
1893	2.10	7.04	2.80	5.51	5.72	4.24	2.72	1.78	2.89	1.66	1.95	4.46	42.87
1894	4.57	5.45	4.11	3.04	2.74	4.39	3.50	7.60	3.38	1.54	0.78	5.35	46.45
1895	7.32	3.25	7.78	5.40	4.26	3.65	7.28	7.15	1.07	2.02	2.52	3.25	54.95
1896	3.95	5.18	5.81	2.91	4.75	2.68	6.12	2.06	1.95	1.25	0.09	0.77	43.52
1897	5.29	3.56	13.73	3.54	3.94	2.65	3.61	4.78	0.15	4.43	0.63	8.19	54.50
1898	6.08	1.32	3.67	4.90	1.55	2.43	6.93	6.94	6.80	6.59	1.61	**4.50**	53.32
1899	5.48	7.91	10.62	7.18	1.32	2.74	5.06	4.51	1.78	3.61	3.44	6.70	60.35
1900	4.26	7.72	6.59	11.40	3.48	12.47	3.77	4.29	4.70	7.28	4.29	4.20	74.45
1901	5.03	3.10	9.22	5.03	9.34	3.31	8.91	13.80	3.65	0.58	2.40	9.45	73.82
1902	4.23	4.60	5.86	3.44	2.37	2.14	2.03	2.17	2.54	4.00	3.39	3.83	40.60
1903	3.04	11.42	6.27	3.95	7.87	3.92	4.19	3.59	1.02	2.60	3.83	2.24	53.94
1904	4.37	1.42	6.09	3.51	4.09	1.86	5.76	5.62	1.08	1.52	2.89	5.01	43.22
1905	3.78	7.39	2.87	4.35	6.92	5.26	4.19	3.73	1.54	5.13	0.80	7.07	53.03
1906	4.17	2.00	10.00	2.00	4.28	7.39	6.62	3.73	5.67	5.28	3.50	4.08	58.72
1907	2.67	2.68	2.78	4.60	6.94	2.99	4.35	3.74	3.84	2.25	5.74	2.03	44.61
1908	3.85	7.68	3.90	4.64	3.14	2.33	2.99	5.88	3.50	2.20	0.65	10.50	51.26
Mn's	4.86	5.46	6.37	4.63	4.47	4.63	5.03	4.82	3.27	2.89	3.31	4.87	54.61

SELMA, DALLAS COUNTY, ALA.

Elevation, 147 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1858	4.31	6.43	8.74	3.89	2.46	4.47	2.59	3.66	0.94	5.16	3.86	9.70	56.21
1859	5.23	5.43	10.97	6.29	0.76	4.19	2.03	5.28	7.31	......	......	......	......
1870	4.55	5.25	6.15	2.15	0.55	......	......	......	......	......	5.15	5.20	......
1871	4.20	5.70	7.85	12.50	5.75	7.35	1.40	4.05	0.50	1.60	5.90	2.90	59.70
1872	3.80	7.30	8.10	......	......	......	......	......	......	......	......	......	......
1873	......	9.80	......	......	......	......	......	......	......	......	......	......	......
1874	3.75	5.08	10.62	10.70	1.98	......	......	......	......	......	......	......	......
1882	......	......	......	4.76	2.95	5.50	6.64	4.08	4.95	3.67	......	......	......
1883	......	......	......	8.48	2.78	3.43	0.71	3.65	0.37	1.32	......	......	......
1884	......	......	......	1.77	1.40	5.46	7.21	2.28	0.00	2.95	......	......	......
1885	......	......	......	......	2.64	1.23	5.75	1.95	0.25	0.30	......	......	......
1886	......	......	......	......	2.90	6.11	7.37	6.54	0.42	0.42	......	......	......
1887	......	......	......	......	1.10	2.90	3.73	2.50	3.60	......	......	......	......
1888	......	......	......	......	3.45	3.60	3.70	12.30	2.57	4.41	......	......	......
1889	......	......	......	......	1.03	4.75	4.80	7.45	6.00	0.60	5.80	......	......
1890	......	......	......	......	3.92	3.16	......	......	......	......	......	......	......
1891	......	......	......	......	2.78	2.67	4.27	2.84	1.90	0.88	......	......	......
1892	10.25	5.02	11.70	1.69	3.23	2.38	8.36	5.51	1.81	0.00	4.05	4.56	58.56
1893	3.16	4.90	3.89	3.17	9.48	7.29	5.36	4.21	3.05	2.71	3.10	2.20	52.52
1894	3.67	13.94	4.72	2.82	2.64	0.95	4.64	13.13	1.93	1.67	0.99	5.04	56.14
1895	6.30	2.66	8.02	3.22	3.62	9.66	4.45	1.59	0.30	1.84	1.30	3.67	46.63
1896	6.51	5.01	6.26	3.63	1.28	5.06	3.90	2.10	0.42	1.28	1.02	2.14	38.61
1897	3.27	6.61	13.43	4.03	0.73	2.31	5.52	3.96	0.08	0.52	1.56	4.13	46.15
1898	2.04	2.19	2.08	4.06	0.38	3.59	5.56	6.42	1.28	3.79	5.72	3.13	40.24
1899	5.24	5.41	3.45	1.32	2.90	1.82	6.95	3.45	0.38	3.16	1.50	5.59	41.17
1900	2.54	7.39	5.71	7.38	1.55	8.51	4.71	2.74	4.00	4.96	2.00	4.65	56.14
1901	2.74	4.39	5.01	4.27	5.32	1.70	2.11	6.44	3.95	0.21	2.17	6.57	44.88
1902	3.51	6.01	6.28	1.27	2.16	0.63	1.97	3.39	4.11	5.73	4.50	5.90	45.46
1903	2.42	12.54	3.58	2.50	5.60	7.78	3.32	2.95	1.06	1.08	0.17	3.21	47.21
1904	6.14	4.58	1.74	2.83	2.21	2.48	3.95	5.51	0.57	T.	2.74	4.10	36.85
1905	6.93	6.94	5.83	1.28	4.23	3.55	6.48	5.72	1.60	4.20	1.71	5.24	53.71
1906	3.50	2.72	11.26	0.54	5.84	5.18	4.69	0.66	3.70	0.10	**2.82**	**4.21**	45.22
1907	1.13	5.18	3.58	5.73	8.80	2.17	6.28	3.54	1.88	1.98	7.96	5.90	54.13
1908	3.00	6.58	3.32	5.02	6.32	0.94	5.06	1.71	2.22	1.74	1.93	2.92	40.76
Mn's	4.27	6.13	6.66	4.21	3.23	3.98	4.60	4.47	2.10	2.08	3.14	4.55	49.42

UNIONTOWN, PERRY COUNTY, ALA.

Elevation, 273 feet.

1882	......	......	......	3.54	2.17	0.56	9.49	7.23	2.07	2.30	......	......	......
1883	......	......	......	7.73	1.97	3.93	0.10	1.77	0.25	0.45	......	......	......
1888	......	......	......	......	......	......	......	11.69	4.22	4.54	2.95	......	......
1889	5.07	2.06	2.43	5.25	0.10	3.57	8.73	3.19	2.30	0.35	0.21	1.02	40.28
1890	**3.42**	**4.50**	**5.58**	2.64	3.10	5.92	5.50	4.61	6.84	3.21	1.79	2.47	49.65
1891	6.81	9.91	8.04	1.78	2.61	2.43	5.22	1.32	2.00	0.03	8.28	4.61	53.06
1892	**9.11**	3.94	7.55	**1.99**	**5.08**	**3.41**	10.98	3.27	3.94	0.19	3.02	5.88	58.36
1893	2.19	6.33	4.48	2.40	10.88	4.30	6.11	4.07	2.93	1.92	3.10	3.26	51.97
1894	3.29	6.61	4.61	3.80	1.53	1.03	7.44	11.91	2.01	0.55	0.94	4.20	47.92
1895	6.89	2.55	5.94	3.50	4.38	7.33	2.82	2.68	1.27	2.24	1.44	3.69	44.73
1896	5.73	5.26	5.07	5.62	2.95	10.19	1.05	2.50	0.83	1.95	2.09	1.87	45.11
1897	5.49	5.32	9.11	3.21	1.07	1.59	2.60	6.06	1.70	1.86	0.85	3.99	42.85
1898	2.50	1.32	3.34	5.79	1.10	3.33	8.99	6.28	3.19	2.56	5.73	3.72	47.85
1899	6.05	8.58	4.49	1.63	2.18	4.90	6.33	3.50	0.04	1.81	1.63	7.51	48.65
1900	3.55	8.31	3.71	6.38	1.55	7.92	2.80	2.69	2.75	3.75	**2.44**	5.03	50.88
1901	5.28	5.43	3.73	**4.72**	4.80	2.63	5.60	5.53	4.30	0.57	5.14	8.86	56.59
1902	4.22	6.86	7.46	2.79	3.65	0.02	0.52	4.60	1.74	7.84	3.31	5.75	48.76
1903	3.14	8.91	5.59	1.92	6.90	7.60	4.07	4.22	1.87	0.63	1.17	2.77	48.79
1904	4.82	3.98	2.25	2.21	4.18	3.58	4.78	4.30	0.68	T.	2.18	3.44	36.40
1905	7.70	6.90	4.34	2.74	3.48	6.05	4.27	6.32	1.71	3.61	1.05	6.66	54.23
1906	3.99	2.60	11.83	1.42	4.56	2.50	4.83	1.95	8.96	2.97	1.13	2.84	49.58
1907	1.87	7.45	2.19	7.90	8.59	2.03	2.90	1.43	3.87	0.75	4.98	7.88	51.84
1908	5.02	5.55	3.36	4.03	6.20	2.21	6.93	2.28	1.07	2.23	1.07	3.11	43.06
Mn's	4.78	5.62	5.26	3.77	3.77	3.95	5.09	4.49	2.63	2.06	2.88	4.25	48.55

Average number of days with .01 inch or more precipitation.

Stations. (By groups.)	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
COOSA RIVER.	Yrs													
Valley Head	24	7	9	8	8	9	7	8	8	5	4	4	7	84
Maple Grove	16	8	10	9	8	9	6	8	11	6	4	7	9	95
Gadsden	25	9	10	11	9	10	8	9	10	6	5	7	10	104
Ashville	16	10	10	10	10	11	11	11	13	6	5	8	10	115
Anniston	3	11	9	10	10	13	10	14	13	10	5	9	11	125
Talladega	20	9	9	9	9	10	10	10	9	5	4	6	8	98
Goodwater	14	8	7	8	10	9	9	11	10	6	5	6	9	98
Clanton	16	10	10	8	9	11	7	11	10	4	6	6	9	101
TALLAPOOSA RIVER.														
Rock Mills	8	8	7	7	7	3	7	10	6	7	4	6	4	76
Camp Hill	8	6	7	7	9	9	8	10	9	5	3	5	9	87
Opelika	29	8	7	7	7	6	7	9	8	5	4	5	8	81
Union Springs	22	7	8	8	7	8	8	9	9	5	4	6	10	89
ALABAMA RIVER (Montgomery and below)														
Montgomery	37	11	10	11	8	9	11	12	11	7	6	8	10	114
Selma	34	10	9	9	7	8	8	10	12	5	4	5	12	99
Uniontown	23	8	8	8	6	8	9	9	9	5	4	5	10	89
Pine Apple	20	8	6	8	5	5	10	11	12	4	5	8	6	88

Average number of days with .01 inch or more precipitation—cont'd

Stations. (By groups.)	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
CHATTAHOOCHEE RIVER														
Ala. and west Fla. portion	Yrs.													
Eufaula	25	9	9	8	7	8	9	12	12	7	6	6	9	102
Marianna, Fla	8	6	7	7	4	7	7	11	10	8	4	3	5	79
Apalachicola, Fla	5	6	4	4	4	4	4	8	13	10	2	3	5	67
GULF OF MEXICO.														
Highland Home	17	8	7	7	7	8	7	11	8	5	4	5	9	86
Evergreen	25	7	7	7	4	6	6	9	6	5	4	4	9	74
Ozark	19	6	6	6	5	6	6	10	7	6	4	4	4	79
Flomaton	18	7	8	7	6	9	10	13	11	7	5	5	8	96
Mobile	38	11	10	10	8	8	12	15	14	10	6	7	10	121
DeFuniak Springs, Fla	12	8	8	9	4	8	11	16	17	9	5	6	8	109
Pensacola, Fla	29	11	11	10	6	7	10	14	14	9	6	7	10	115

Mean temperature.

COOSA RIVER.														
Valley Head	24	39.7	41.7	51.0	58.8	67.1	74.4	77.1	76.3	71.2	58.8	49.0	41.7	58.9
Maple Grove	16	41.2	41.2	53.4	59.0	69.2	76.3	79.2	78.9	73.0	60.4	50.5	42.5	60.4
Gadsden	23	42.3	42.6	52.9	60.0	69.4	76.6	79.6	79.0	73.9	91.6	51.3	44.4	61.1
Ashville	16	42.3	42.3	54.3	61.5	70.1	77.7	78.3	79.7	73.1	61.2	51.5	43.5	61.3
Anniston	18	42.6	43.7	54.5	61.2	68.8	75.6	78.0	78.0	73.0	61.8	51.7	44.2	61.1
Talladega	20	45.0	45.8	56.6	62.4	70.8	78.1	80.4	79.6	74.5	63.7	52.9	45.2	62.9
Goodwater	14	44.0	43.4	56.5	61.9	71.8	78.2	80.5	80.2	75.8	63.8	54.2	44.5	62.9
Clanton	16	45.5	45.9	57.5	63.0	71.1	77.5	79.8	79.3	74.8	63.0	54.1	46.3	63.2
Averages		42.8	43.3	54.6	61.0	69.8	76.8	79.1	78.9	73.7	61.8	51.9	44.0	61.5
TALLAPOOSA RIVER.														
Rock Mills	8	45.0	45.0	55.0	62.8	70.6	77.7	79.1	78.3	75.0	64.2	54.2	46.3	62.8
Camp Hill	8	44.3	45.8	57.8	62.0	71.7	78.0	79.4	79.8	75.4	63.9	54.6	44.2	63.0
Opelika	30	45.5	47.2	57.2	63.6	71.9	78.6	80.4	79.2	74.6	64.0	54.5	46.9	63.6
Union Springs	22	45.8	48.3	57.6	64.8	73.5	80.3	81.3	80.7	75.7	64.6	55.1	47.7	64.6
Averages		45.2	46.6	56.9	63.3	71.8	78.6	80.0	79.5	75.2	64.2	54.6	46.3	63.5
ALABAMA RIVER (Montgomery and below.)														
Montgomery	37	47.8	51.0	58.2	65.2	73.4	79.9	82.1	80.8	76.3	65.7	55.9	49.2	65.5
Selma	34	47.6	49.4	58.8	63.8	72.6	79.2	81.7	81.0	76.5	65.8	55.2	47.1	64.9
Uniontown	23	46.9	48.2	58.4	65.1	72.8	79.5	80.9	80.7	76.4	66.3	55.8	49.3	65.0
Pine Apple	20	47.1	44.9	57.0	66.3	73.6	79.7	80.7	79.5	73.8	63.6	55.7	48.1	64.2
Averages		47.4	48.4	58.1	65.1	73.1	79.6	81.4	80.5	75.8	65.4	55.6	48.4	64.9
CHATTAHOOCHEE RIVER														
Ala. and west Fla. portion														
Fufaula	25	46.3	49.0	59.0	64.5	73.1	78.9	80.6	80.0	75.9	64.9	55.7	48.3	64.7
Marianna, Fla	8	50.6	52.6	63.5	64.8	74.1	79.0	81.0	80.9	77.8	67.6	58.1	52.1	66.8
Apalachicola, Fla	5	54.1	56.6	64.6	67.5	75.0	80.4	81.6	81.5	80.2	70.6	62.2	55.0	69.1
Averages		50.3	52.7	62.4	65.6	74.1	79.4	81.1	80.8	78.0	67.7	58.7	51.8	66.9
GULF OF MEXICO.														
Highland Home	17	48.0	49.2	60.1	64.6	72.7	78.4	79.8	79.5	76.2	66.1	57.3	49.4	65.1
Evergreen	25	47.9	50.2	57.8	65.4	72.8	78.6	80.6	80.1	76.2	64.7	56.1	49.8	65.0
Ozark	7	44.4	50.1	62.9	65.3	73.2	79.2	80.3	81.0	77.2	65.3	56.3	49.1	65.4
Flomaton	18	49.7	51.3	62.2	65.9	73.2	79.1	80.8	80.6	76.4	65.6	57.1	51.7	66.1
Mobile	38	50.5	53.9	59.8	66.5	73.8	79.7	81.2	80.6	77.4	67.9	58.6	52.2	66.8
DeFuniak Springs, Fla	12	51.1	52.4	62.3	64.9	73.8	79.2	80.4	80.4	77.4	68.1	58.8	51.3	66.7
Pensacola, Fla	29	52.3	55.5	61.1	67.7	74.8	80.0	81.4	81.0	77.9	69.4	59.6	53.9	67.9
Averages		49.1	51.8	60.9	65.8	73.5	79.2	80.6	80.5	77.0	66.7	57.7	51.1	66.2
Averages for section		47.0	48.6	58.6	64.2	72.5	78.7	80.4	80.0	75.9	65.2	55.7	48.3	64.6

Highest temperature.

COOSA RIVER.														
Valley Head	24	74	89	82	88	96	102	100	102	97	91	79	78	102
Maple Grove	16	79	77	91	93	98	105	107	106	100	92	86	76	107
Gadsden	23	80	78	93	91	100	103	106	106	100	95	83	77	106
Ashville	16	75	80	88	92	98	103	105	104	104	96	84	76	105
Anniston	18	73	78	84	88	96	100	102	103	98	93	82	75	103
Talladega	20	82	78	89	92	98	102	105	106	102	97	89	78	106
Goodwater	14	4	77	87	92	100	103	105	105	102	97	87	76	105
Clanton	16	79	78	93	92	95	100	100	102	100	100	82	80	102
TALLAPOOSA RIVER														
Rock Mills	8	75	82	85	88	95	101	101	100	95	91	84	76	101
Camp Hill	8	76	78	91	91	97	100	106	102	103	98	85	72	106
Opelika	30	74	78	90	92	98	103	101	104	98	95	81	78	104
Union Springs	22	77	79	87	96	99	103	105	102	96	94	82	79	105
ALABAMA RIVER (Montgomery and below.)														
Montgomery	37	79	83	90	92	98	106	107	103	99	96	85	79	107
Selma	34	80	82	86	94	98	105	105	104	102	98	88	79	105
Uniontown	23	80	81	91	90	96	101	106	103	102	97	84	79	106
Pine Apple	20	81	80	91	98	100	105	105	104	100	96	89	75	105
CHATTAHOOCHEE RIVER.														
Ala. and west Fla. portion														
Eufaula	25	81	81	89	92	101	101	104	103	100	94	83	82	104
Marianna, Fla	8	81	84	94	97	101	100	100	103	102	99	90	82	103
Apalachicola, Fla	5	76	77	88	88	91	95	100	93	96	96	81	77	100
GULF OF MEXICO.														
Highland Home	17	78	84	92	96	96	99	103	100	98	95	88	77	103
Evergreen	25	77	80	85	92	96	100	105	100	100	98	85	77	105
Ozark	7	77	80	87	93	97	100	103	103	97	96	82	80	103
Flomaton	18	81	83	92	92	98	103	104	104	100	98	90	91	104
Mobile	38	78	80	86	90	98	101	102	101	97	95	83	80	102
DeFuniak Springs, Fla	12	79	82	91	94	98	103	105	102	99	97	85	80	105
Pensacola, Fla	29	79	78	85	92	93	101	103	97	98	95	81	77	103

Lowest temperature.

Stations. (By groups.)	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
COOSA RIVER.	Yrs													
Valley Head	24	− 7	−18	4	26	33	39	53	51	34	22	12	1	−18
Maple Grove	16	1	− 9	7	27	32	42	50	45	35	25	16	5	− 9
Gadsden	23	2	−13	6	27	36	47	52	55	34	22	9	8	−13
Ashville	16	2	−12	9	26	35	44	54	57	34	26	16	4	−12
Anniston	18	7	−10	12	27	36	44	56	55	36	25	16	7	−10
Talladega	20	8	−10	11	29	33	42	56	57	36	27	17	7	−10
Goodwater	14	7	− 8	14	26	40	48	56	58	37	30	21	9	− 8
Clanton	16	12	− 9	19	30	35	46	57	55	38	29	18	10	− 9
TALLAPOOSA RIVER.														
Rock Mills	8	6	−10	13	29	38	46	54	58	45	33	19	7	−10
Camp Hill	8	11	4	18	29	36	51	55	58	42	33	21	9	4
Opelika	30	10	− 7	16	30	37	49	58	58	42	31	20	9	− 7
Union Springs	22	10	− 6	21	33	41	52	61	61	45	31	24	10	− 6
ALABAMA RIVER (Montgomery and below).														
Montgomery	37	5	− 5	21	30	43	48	61	58	45	31	21	8	− 5
Selma	34	14	− 5	24	32	41	52	61	62	42	32	21	11	− 5
Uniontown	23	8	− 6	19	29	41	44	58	51	42	28	16	10	− 6
Pine Apple	20	8	− 4	20	28	38	52	57	60	35	28	24	7	− 4
CHATTAHOOCHEE RIVER Ala. and west Fla. portion														
Eufaula	25	12	− 4	20	30	41	52	56	61	39	30	23	10	− 4
Marianna, Fla	8	15	15	22	33	43	55	59	63	50	30	23	15	15
Apalachicola, Fla	5	20	22	36	42	49	62	70	64	58	42	31	26	20
GULF OF MEXICO.														
Highland Home	17	11	− 4	22	32	40	52	58	56	48	34	22	10	− 4
Evergreen	25	13	0	23	30	42	54	59	59	40	30	22	11	0
Ozark	7	19	11	32	32	40	47	63	62	48	31	22	17	11
Flomaton	18	12	− 3	22	27	40	50	58	60	38	29	19	10	− 3
Mobile	38	11	− 1	25	32	46	50	64	57	49	34	25	14	− 1
DeFuniak Springs, Fla	12	13	0	22	31	42	54	60	62	45	30	21	12	0
Pensacola, Fla	29	15	7	25	34	44	55	64	62	53	38	28	14	7

Prevailing wind direction.

COOSA RIVER.	Y													
Valley Head	24	se	se	se	se	se	se	se	se	se	se	se	se	se
Maple Grove	16	nw	nw	nw	nw	sw	sw	nw	sw	nw	nw	nw	nw	nw
Gadsden	25	nw	nw	e	e	e	e	e	e	e	e	nw	nw	e
Ashville	16	nw	nw	s	sw	sw	sw	w	w	se	sw	nw	nw	sw
Anniston	3	se	nw	se	se	se	se	se	se	se	se	se	se	se
Talladega	20	s	n	s	w	sw	s	s	s	s	s	n	n	s
Goodwater	14	s	s	s	s	w	s	s	s	s	se	s	s	s
Clanton	16	nw	n	se	se	se	s	se	se	se	se	nw	nw	se
TALLAPOOSA RIVER.														
Rock Mills	8	nw	nw	sw	s	s	s	s	s	se	s	n	n	s
Camp Hill	8	n	n	s	s	e	s	sw	s	e	e	n	n	s
Opelika	29	n	w	e	w	e	e	e	e	e	e	nw	n	e
Union Springs	22	nw	nw	s	s	s	w	sw	sw	e	e	e	e	e
ALABAMA RIVER (Montgomery and below).														
Montgomery	37	nw	n	nw	sw	sw	sw	sw	e	e	e	e	nw	sw
Selma	34	e	n	e	se	s	s	s	e	e	e	ne	n	e
Uniontown	23	n	nw	sw	nw	s	s	w	e	e	e	n	nw	nw
Pine Apple	20	nw	sw	sw	nw	sw	sw	sw	nw	nw	nw	nw	nw	nw
CHATTAHOOCHEE RIVER. Ala. and west Fla. portion														
Eufaula	25	nw	s	s	nw	e	s	s	sw	n	n	n	nw	s
Marianna, Fla	8	nw	nw	sw	sw	sw	sw	sw	sw	sw	n	nw	nw	sw
GULF OF MEXICO.														
Highland Home	17	nw	nw	s	s	s	s	s	s	s	s	nw	nw	s
Evergreen	25	e	e	se	w	e	s	s	s	n	n	e	n	e
Ozark	19	n	n	s	w	sw	sw	sw	sw	ne	ne	ne	n	sw
Flomaton	18	n	n	s	s	s	s	s	s	s	n	n	n	s
Mobile	38	n	n	s	s	s	s	s	s	n	n	n	n	n
Pensacola, Fla	29	n	ne	se	sw	sw	sw	sw	sw	ne	ne	n	n	sw

Average hourly wind velocity (in miles).

Chattanooga, Tenn	30	7	8	8	7	6	6	5	5	5	5	6	7	6
Anniston	3	7	7	7	6	5	4	4	4	5	5	6	7	6
Atlanta, Ga	30	12	12	12	11	9	8	8	7	8	10	10	11	10
Montgomery	37	6	7	7	6	5	5	5	5	5	5	6	6	6
Mobile	37	7	8	8	8	7	6	6	6	6	7	7	7	7
Pensacola, Fla	29	10	10	10	10	9	9	8	8	8	9	9	9	9
Averages		8	9	9	8	7	6	6	6	6	7	7	8	7

Mean relative humidity.

Chattanooga, Tenn	30	78	74	70	68	74	78	78	81	80	78	74	76	76
Anniston	3	82	77	80	74	77	78	83	85	85	83	82	82	81
Atlanta, Ga	30	76	72	70	66	68	72	76	80	75	71	72	75	73
Montgomery	21	76	75	73	67	64	71	76	79	74	71	74	76	73
Mobile	21	81	80	82	78	77	78	81	86	81	77	80	82	80
Pensacola, Fla	29	81	81	81	76	76	78	81	83	81	76	79	82	80
Averages		79	76	76	72	73	78	79	82	79	77	77	79	77

Monthly and annual average precipitation.

Stations. (By groups.)	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December	Annual.
COOSA RIVER.	Yrs													
Valley Head	24	4.86	5.46	6.37	4.63	4.47	4.63	5.03	4.82	3.27	2.89	3.31	4.87	54.61
Maple Grove	16	4.94	5.36	7.17	4.57	3.88	3.35	4.70	4.33	3.60	2.66	3.24	5.20	53.00
Gadsden	25	5.20	5.71	6.49	4.22	3.72	4.13	4.49	3.99	3.51	2.58	3.17	5.07	52.28
Ashville	16	4.75	5.20	6.32	4.71	4.03	3.68	5.18	4.31	3.80	2.70	2.72	5.14	52.54
Anniston	18	4.83	5.06	5.44	4.27	4.39	3.93	5.59	4.18	3.14	1.74	2.84	4.56	49.97
Talladega	20	4.86	6.07	6.16	3.44	3.53	3.61	4.75	4.82	2.78	2.21	2.98	4.30	49.51
Goodwater	14	4.93	6.17	6.08	3.86	3.86	3.91	5.44	5.32	2.56	2.45	3.09	4.32	51.99
Clanton	16	4.26	6.26	5.68	3.48	4.17	3.00	4.47	3.98	2.17	2.39	2.94	4.38	47.18
Averages		4.83	5.66	6.21	4.15	4.01	3.78	4.95	4.46	3.10	2.53	3.04	4.73	51.45
TALLAPOOSA RIVER.														
Rock Mills	8	4.45	6.24	5.58	4.50	2.47	4.12	7.13	6.46	1.87	3.58	3.08	4.07	53.55
Camp Hill	8	3.82	6.03	5.22	3.58	4.38	3.31	5.32	4.42	2.94	1.87	2.97	6.37	50.23
Opelika	29	5.17	5.95	5.61	3.83	3.41	4.10	5.12	4.52	2.76	3.01	3.22	4.95	51.65
Union Springs	22	4.56	7.14	6.44	3.84	3.87	3.93	5.32	4.96	2.93	3.06	3.41	4.92	54.38
Averages		4.50	6.34	5.71	3.91	3.53	3.86	5.72	5.09	2.62	2.88	3.16	5.08	52.40
ALABAMA RIVER (Montgomery and below).														
Montgomery	37	5.11	5.52	6.38	4.25	3.82	4.21	4.68	4.24	2.88	2.44	3.13	4.50	51.16
Selma	34	4.27	6.13	6.66	4.21	3.23	3.98	4.60	4.47	2.10	2.08	3.14	4.55	49.42
Uniontown	23	4.78	5.62	5.26	3.77	3.77	3.95	5.09	4.49	2.63	2.06	2.88	4.25	48.55
Pine Apple	20	4.13	4.91	5.02	3.11	2.57	4.22	3.90	3.69	2.05	1.81	2.45	4.58	42.44
Averages		4.57	5.54	5.83	3.84	3.35	4.11	4.57	4.22	2.42	2.10	2.90	4.47	47.92
CHATTAHOOCHEE RIVER Ala. and west Fla. portion														
Eufaula	25	4.33	6.33	6.31	3.10	3.35	3.56	6.19	5.63	3.52	2.44	2.89	4.60	52.25
Marianna, Fla	8	4.16	5.34	5.49	2.16	4.90	4.38	5.64	6.04	7.12	1.78	2.68	3.96	53.65
Apalachicola, Fla	5	4.09	2.31	2.06	2.77	4.90	3.29	6.73	9.29	¶	2.80	2.58	5.31	56.19
Averages		4.19	4.61	4.62	2.66	4.38	3.74	6.19	6.99	6.90	2.34	2.72	4.62	53.96
GULF OF MEXICO.														
Highland Home	17	4.36	5.78	5.81	3.56	3.55	3.88	5.43	5.04	2.50	2.36	3.08	4.63	49.98
Evergreen	25	3.97	5.98	5.34	3.12	3.46	5.36	6.15	5.00	3.64	2.03	3.31	3.80	51.16
Ozark	19	4.75	6.65	5.51	3.62	3.14	3.86	5.96	6.50	4.23	3.03	2.76	4.77	54.78
Flomaton	18	4.66	7.48	4.79	3.48	4.36	4.85	6.60	7.16	3.59	2.60	3.33	4.95	57.88
Mobile	38	4.84	5.46	7.17	4.48	4.24	5.60	6.68	6.90	5.13	3.15	3.65	4.56	61.86
DeFuniak Springs	12	4.19	7.04	6.28	2.52	4.31	5.83	7.01	9.96	6.20	3.20	3.85	5.10	65.49
Pensacola, Fla	29	4.09	4.45	5.28	3.17	2.95	4.70	6.79	7.54	5.53	3.53	3.71	4.34	56.08
Averages		4.41	6.12	5.74	3.42	3.69	4.89	6.37	6.87	4.40	2.86	3.38	4.59	56.74
Averages for section		4.50	5.65	5.62	3.60	3.79	4.08	5.56	5.53	3.89	2.54	3.04	4.70	52.50

¶ 10.06.

Frost data.

Stations. (By groups.)	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
COOSA RIVER.	Yrs				
Valley Head	24	October 20	April 5	October 6	April 30
Maple Grove	16	October 23	April 0	October 4	May 2
Gadsden	23	October 29	March 29	October 8	April 18
Ashville	16	October 27	March 31	October 11	April 18
Anniston	18	October 20	April 2	October 6	April 20
Talladega	20	October 30	March 26	October 11	April 19
Goodwater	14	November 9	March 20	October 18	April 8
Clanton	16	November 6	March 24	October 11	April 15
TALLAPOOSA RIVER.					
Rock Mills	8	November 6	March 24	October 30	April 11
Camp Hill	8	November 2	March 19	October 24	April 17
Opelika	30	November 9	March 17	October 25	April 15
Union Springs	22	November 18	March 9	October 25	March 29
ALABAMA RIVER (Montgomery and below).					
Montgomery	37	November 8	March 10	October 21	April 5
Selma	34	November 8	March 13	October 22	April 0
Uniontown	23	November 8	March 15	October 21	April 17
Pine Apple	20	November 10	March 14	October 22	April 11
CHATTAHOOCHEE RIVER Ala. and west Fla. portion					
Eufaula	25	November 9	March 14	October 25	April 1
Marianna, Fla	8	November 21	March 1	November 9	March 16
Apalachicola, Fla	5	December 6	January 30	November 13	February 20
GULF OF MEXICO.					
Highland Home	17	November 21	March 15	November 9	April 6
Evergreen	25	November 12	March 13	October 24	April 5
Ozark	7	November 13	March 10	October 25	April 2
Flomaton	18	November 20	March 5	October 17	April 10
Mobile	38	November 30	February 24	October 31	April 6
DeFuniak Springs, Fla	12	November 17	February 28	October 27	March 29
Pensacola, Fla	29	December 5	February 23	November 12	April 6

HYDROGRAPHIC DATA FOR SECTION 82,

SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

Compiled from the records of the United States Geological Survey,
by R. H. BOLSTER, Assistant Engineer.

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey.

This section comprises Alabama River drainage on the north and west, minor tributaries of the Chattahoochee River on the east, and streams flowing into the Gulf of Mexico on the south, such as Escambia and Choctawhatchee rivers.

Mobile River drainage basin is the largest in the State of Alabama. Beginning at the headwaters in Georgia, Cartecay, and Ellijay rivers unite at Ellijay, Georgia, to form Cooswattee River. Just below Resaca, Georgia, this unites with the Conasauga River to form Oostanaula River. At Rome, Georgia, the Oostanaula and the Etowah unite to form Coosa River. Six miles above Montgomery, the Coosa and Tallapoosa unite to form Alabama River, and not far from the coast the Tombigbee unites with the Alabama to form Mobile River, which flows into Mobile Bay, an arm of the Gulf of Mexico.

Cahaba River is the principal tributary of the Alabama, and joins it about ten miles below Selma. Hillabee Creek flows into Tallapoosa River just above Sturdevant and near Alexander. Talladega Creek is a tributary of the Coosa.

Apalachicola River is formed by the union of Flint and Chattahoochee rivers at the Georgia-Florida line, and flows in a southerly direction through Florida into the Gulf of Mexico. It is navigable for boats up Flint River to Albany, Georgia, and up Chattahoochee River to Columbus, Georgia.

Chattahoochee River forms the boundary line between the states of Alabama and Georgia from West Point, Georgia, to the Alabama-Florida state line.

Escambia River drains the south-central portion of Alabama and empties into the Gulf of Mexico through Escambia and Pensacola Bays. Conecuh River joins the Escambia about five miles south of the Alabama-Florida state line, and is very much the larger of the two branches.

Conecuh River rises in Bullock County, Alabama, very close to the headwaters of Pea River in the Choctawhatchee drainage and flows southwestward throughout its course. Pigeon and Patsaliga creeks, both from the west, are the principal tributaries of Conecuh River. The Conecuh and its tributaries are swift streams, and at places there are rocky shoals and rapids.

Choctawhatchee River drains the southeastern part of Alabama and that portion of Florida lying immediately south. The main river rises in Barbour County, Alabama, a short distance west of Eufaula, Alabama, and flows in a southwesterly and southerly direction through Choctawhatchee Bay into the Gulf of Mexico.

Pea River is the principal tributary and enters from the west at Geneva, Alabama. This branch is the longer of the two above the junction, having its head in Bullock County near Union Springs, Alabama. Double Bridges Creek is a small but important tributary lying between the main branches and entering Choctawhatchee River just above the mouth of Pea River. These are all moderately swift streams, even at low water and at places the fall is sufficient to make considerable shoals and rapids and very practicable sites for water power developments.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; and second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall which is usually expressed in depth in inches:

SECTION 82.—EASTERN, CENTRAL AND SOUTHERN ALABAMA, AND FLORIDA, WEST OF THE APALACHICOLA RIVER.

Monthly discharge of Alabama River, Selma, Ala., for period Jan. 1, 1900–Dec. 31, 1908.
Drainage area, 15,400 square miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	107,000	7,630	37,100	2.41	2.78
February	136,000	10,900	53,900	3.50	3.64
March	138,000	15,600	53,000	3.44	3.97
April	136,000	9,420	43,600	2.83	3.16
May	90,400	5,300	25,900	1.68	1.94
June	94,000	4,350	19,200	1.25	1.40
July	93,500	5,620	18,500	1.20	1.38
August	66,900	6,470	16,700	1.08	1.24
September	59,100	3,900	11,900	773	.86
October	91,200	3,300	12,600	.818	.94
November	64,200	3,300	12,000	.779	.87
December	94,000	3,600	24,500	1.59	1.83
The period	138,000	3,300	27,400	1.78	24.01

Monthly discharge of Cahaba River, Centerville, Ala., for period Jan., 1902–Dec., 1907.
Drainage area, 1,040 square miles.

January	12,800	260	1,820	1.75	2 02
February	13,000	421	3,140	3.02	3.14
March	17,100	408	3,220	3.10	3.57
April	8,840	289	1,720	1.65	1.84
May	12,400	180	1,630	1.57	1.81
June	4,930	133	612	.588	.66
July	7,240	156	743	.714	.82
August	2,440	180	621	.597	.69
September	17,100	133	718	.690	.77
October	11,100	90	818	.787	.91
November	4,710	111	530	.510	.57
December	9,550	156	1,220	1.17	1.35
The period	17,100	90	1,400	1.35	18.15

Monthly discharge of Coosa River, Riverside, Ala., for period Jan. 1, 1897–Dec. 31, 1906.
Drainage area, 7,060 square miles.

January	55,900	2,420	14,800	2.10	2.42
February	54,300	3,660	21,600	3.06	3.19
March	75,800	3,550	25,700	3.64	4.20
April	65,500	4,760	20,000	2.83	3.16
May	40,700	2,530	8,670	1.23	1.42
June	51,500	2,260	8,640	1.22	1.36
July	46,400	2,140	7,750	1.10	1.27
August	19,200	2,530	7,560	1.07	1.23
September	41,900	1,440	5,880	.833	.93
October	72,200	1,220	7,000	.992	1.14
November	46,400	1,220	5,450	.772	.86
December	57,100	1,760	11,000	1.56	1.80
The period	75,800	1,220	12,000	1.70	22.98

Monthly discharge of Tallapoosa River, Sturdevant, Ala., for Jan. 1, 1901–Dec. 31, 1908.
Drainage area, 2,500 square miles.

January	40,500	1,100	4,800	1.92	2.21
February	33,200	1,850	6,820	7.73	2.84
March	59,100	1,760	6,720	2.69	3.10
April	14,500	1,340	4,850	1.94	2.16
May	21,000	553	3,940	1.58	1.82
June	16,500	377	2,740	1.10	1.23
July	17,200	418	2,860	1.14	1.31
August	34,200	470	3 280	1.31	1.51
September	19,100	296	1,850	.740	.83
October	20,000	250	1,630	.652	.75
November	20,700	275	1,860	.744	.83
December	22,000	717	3,960	1.58	1.82
The period	59,100	250	3,780	1.51	20.41

Monthly discharge of Conecuh River, Beck, Ala., for period Jan. 1, 1905–Dec. 31, 1908.
Drainage area, 1,290 square miles.

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	11,800	530	2,980	2.31	2.66
February	13,000	800	3,960	3.07	3.20
March	16,400	880	3,430	2.66	3.07
April	10,800	530	2,470	1.91	2.13
May	11,600	406	2,310	1.79	2.06
June	2,690	295	704	.546	.61
July	3,340	247	972	.753	.87
August	5,880	313	988	.766	.88
September	11,500	226	839	.650	.73
October	12,600	233	1,310	1.02	1.18
November	5,330	270	885	.686	.77
December	12,600	395	2,410	1.87	2.16
The period	16,400	226	1,940	1.50	20.32

Monthly discharge of Pea River, Pera, Ala., for Jan. 1. 1905–Dec. 31, 1908.
Drainage area, 1,180 square miles.

January	8,640	612	2,980	2.53	2.92
February	12,600	754	3,600	3.05	3.18
March	12,200	764	2,820	2.39	2.76
April	11,900	590	2,430	2.06	2.30
May	8,910	508	1,920	1.63	1.88
June	2,260	324	724	.614	.68
July	5,700	258	1,140	.966	1 11
August	3,810	398	1,070	.907	1.05
September	8,250	242	944	.800	.89
October	6,600	360	974	.825	.95
November	6,110	360	1,070	.907	1.01
December	9,300	450	2,680	2.27	2.62
The period	12,600	242	1,860	1.58	21.35

Monthly discharge of Chattahooche River, West Point, Ala., for period Aug. 1896–1908.
Drainage area, 3,300 square miles.

January	61,000	1,720	6,100	1.85	2.13
February	66,100	1,840	10,100	3.06	3.19
March	65,600	1,970	10,100	3.06	3.53
April	40,500	1,840	7,810	2.37	2.64
May	52,800	1,540	5,010	1.52	1.75
June	55,500	1,000	4,750	1.44	1.61
July	31,600	900	4,410	1.34	1.54
August	52,300	1,000	4,980	1.51	1.74
September	57,400	780	3 660	1.11	1.24
October	40,300	845	2,990	.906	1.04
November	19,900	800	3,190	.967	1.08
December	88,600	1,490	5,720	1.73	1.99
The period	88,600	780	5,740	1.74	23.48

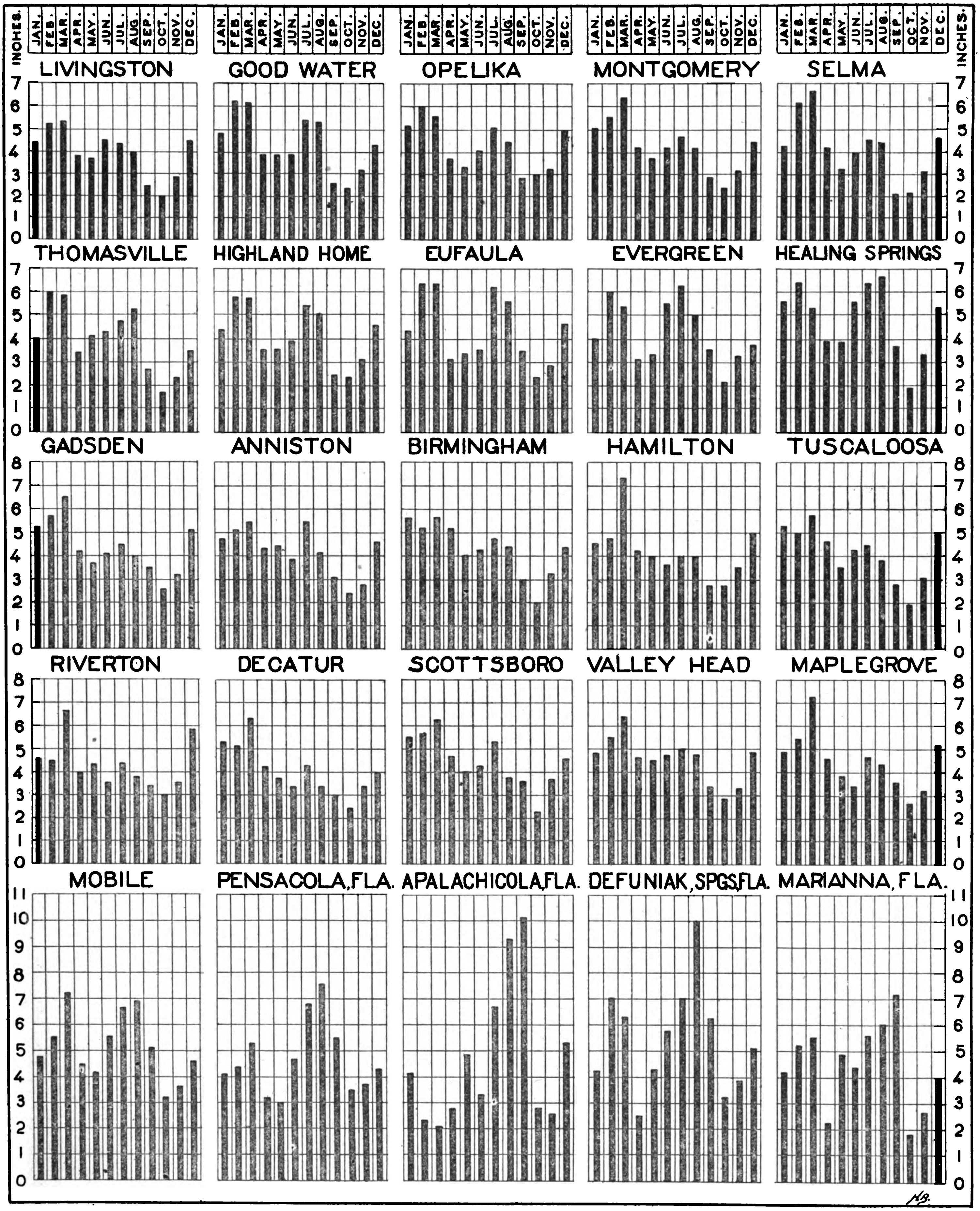
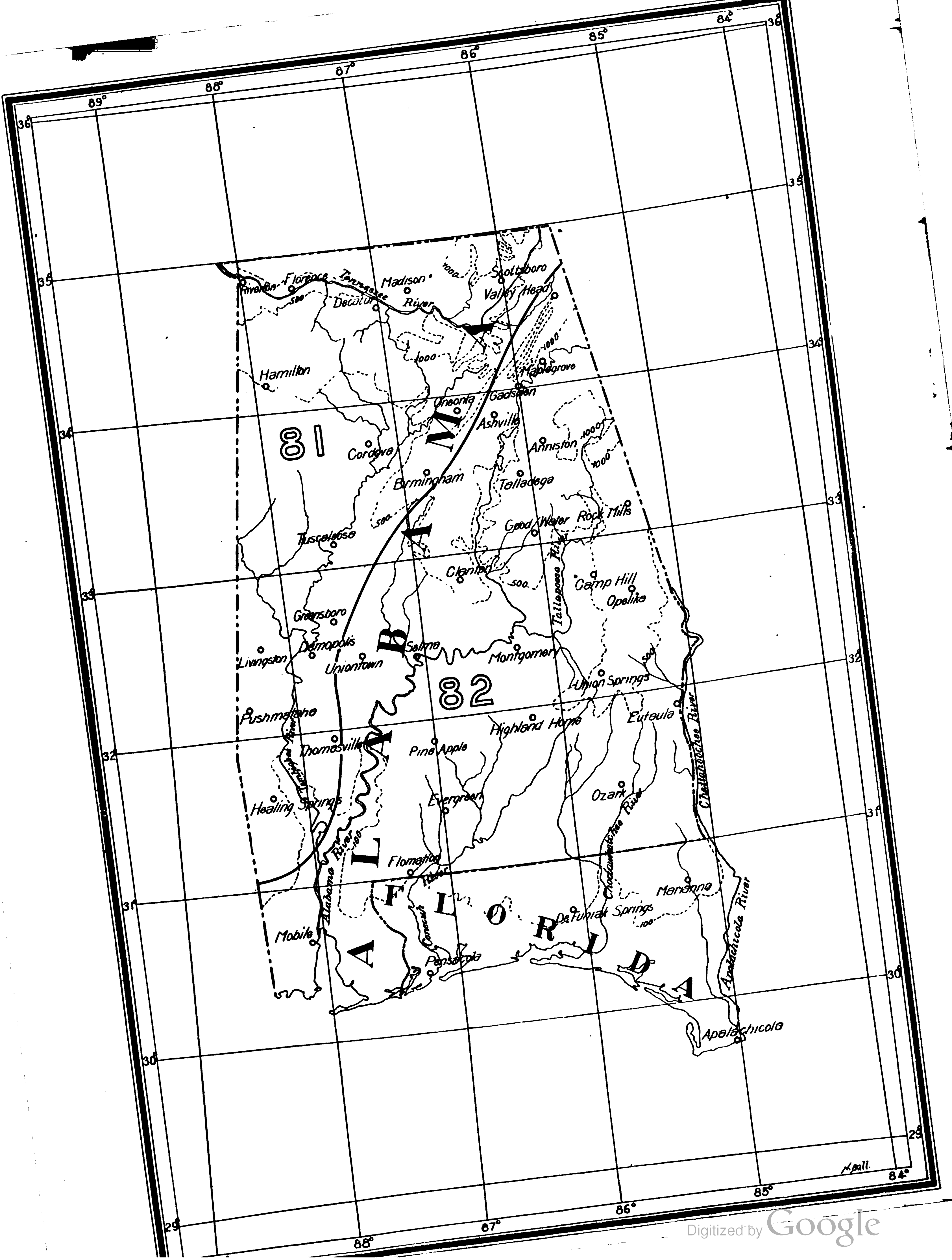


Fig. 1.—Diagrams showing the comparative monthly distribution of precipitation.


89°
88°
87°
86°
85°
84°
36
35
34
33
32
31
30
29
ALABAMA
FLORIDA
81
82
Riverton
Florence
Tennessee River
Madison
Decatur
Scottsboro
Valley Head
Hamilton
Maplegrove
Gadsden
Oneonta
Ashville
Anniston
Cordova
Birmingham
Talladega
Good Water
Rock Mills
Tuscaloosa
Clanton
Tallapoosa River
Camp Hill
Opelika
Greensboro
Demopolis
Selma
Montgomery
Livingston
Uniontown
Union Springs
Pushmataha
Highland Home
Eufaula
Thomasville
Pine Apple
Tombigbee River
Chattahoochee River
Healing Springs
Evergreen
Ozark
Choctawhatchee River
Alabama River
Flomaton
Conecuh River
Marianna
Mobile
DeFuniak Springs
Apalachicola River
Pensacola
Apalachicola
1000
500
100
A. Ball.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division—P. C. Day, Acting Chief of Division.

SECTION 83.—NORTHERN FLORIDA.

INTRODUCTORY REMARKS.

The district comprises that section of Florida north of the 29th parallel and east of the 85th meridian, aggregating something less than 19,000 square miles with a population of about 300,000, or 15 to the square mile. The land gradually rises from the coast, culminating in elevations of 150 to 200 feet in some counties to the west of the Suwanee River; in fact, most of the interior portion of the district, remote from the coast, is about 75 to 100 feet above sea level; small streams and shallow lakes are numerous over most of the section.

Although the long leaf pine largely predominates among the timber products, yet there is to be found a large acreage of the hardwoods so numerous in other states. Many of the rivers, lakes, and ponds are fringed with cypress, and the higher regions of the interior are adorned with oak, hickory, and other hard woods of commerce. The palmetto is indigenous to the district, particularly over the southern portion, from which medicinal remedies of a high order are extracted.

There are numerous watersheds, but the gradients of the streams are not marked, especially near the coast where they are frequently insufficient to care for the "run off;" hence the large area of swamp and marsh lands. The headwaters of practically every important stream in the western and central portions of the section are found in Alabama or Georgia. The stream-flow is largely augmented, however, by the numerous small tributaries whose sources are in Florida. All streams to the west of longitude 82° 30', which is about the beginning of the contour line of 100 feet above sea level, empty into the Gulf of Mexico; those east of that line have their exit into the Atlantic. The coast, totaling nearly 500 miles, is indented with numerous inlets and harbors, the depth of whose waters range from 8 or 10 feet to more than 30 feet.

PRODUCTS.

The physical features of Sections 83 and 84 are such as to permit the growth of similar products to a very great extent. They are somewhat more diversified, however, in Section 83. While the soil of the coastal region is permeable to the extent of being somewhat leachy, yet, if properly cultivated and sustained by the essential chemical elements, it is productive to a remunerative degree. The soil over a large portion of the section, however, has abundant humus, and that in some of the northwestern counties has great capillary power. Agriculture enters largely into the occupation of the people, the once widespread citrus industry having been superseded to a considerable extent by crop diversification. Long and short staple cotton, over the northern and western counties, and vegetables, melons, cane, and kindred products in all portions, constitute the chief staples. The citrus industry is not neglected, however, over the southern counties of the section, and even hard by the Georgia line is one of the largest citrus nurseries in the State.

Agriculture and horticulture are also supplemented by large naval stores and lumber industries together with much phosphate mining. In contradistinction to the limited adaptability of the soils of other states for various crops, it may be stated that there is no month of the year when some crop is not being marketed from Florida, varying in character from the succulent winter vegetables to citrus fruits and pineapples.

TEMPERATURE.

A summary of climatic data for the section includes tables of monthly, annual, and average values of rainfall, the averages and extreme temperatures by months and years, the dates of first and last killing frosts, the prevailing winds, and the percentage of relative humidity. The average hourly wind velocity from a few selected stations affords data required in computing the lifting power of wind mills. It is believed that the observations at most of the stations cover a period sufficiently long to comprehend the extreme fluctuations of the several climatic elements.

The climate is uniform as a result of the State's insular location, and this condition is furthur accentuated by the large bodies of water within the State. Lake Okeechobee, in Section 84, alone covers an area of one thousand square miles, and the combined area of the lesser bodies of water is an element of considerable importance. The normal annual isothermal line of 68° begins at Jacksonville, in the extreme northeastern portion of the State, moving thence southwest, with a slight dip in the interior of the section, to Pensacola. The difference of four degrees in latitude southward to Miami gives about a 7° change in temperature. Average temperature, however, is not the factor with which the fruit and vegetable growers have to do. The nature of some of the products grown and their susceptibility to damage by cold are involved in the degree to which the temperature may fall during extreme conditions. The seasonal temperatures, based on long records of well selected stations are: Summer, 80°; autumn, 72°; winter, 56°; and spring, 70°, indicating that the contrast in the seasons is not marked. Notwithstanding this uniformity of temperature, however, past records show that it is susceptible to decided ranges. Warm spells in March and April are not uncommon and, occasionally, the maximum summer temperatures are approximated during March. On the other hand, while uniform temperatures are the rule, yet radical departures from normal conditions have occurred, chiefly in February and December. There have been marked cold waves during the last twelve or fifteen years, particularly in December, 1894, and February, 1895 and 1899; during the last named year the lowest temperature ever recorded in the State, minus (—) 2°, occurred at Tallahassee, Leon County, and on the same date, the 13th of February, the section comprised a zone whose minimum temperatures ranged from 2° below to 10° or 14° above zero. This was the coldest weather of which there is authentic record. As indicated by the latitude, the temperature of the section averages high, but the discomfort is less than that usually accredited to sections located in the semi-tropics; in fact, the discomfort generally arises from the long continuation of summer weather rather than the extreme heat thereof, which rarely reaches 100° on the coast. July and August are the warmest months with an average of 81°; thereafter there is a rapid decline to 56° in December and January, which are the coldest months. There are only about 2° difference in the average temperatures of spring and autumn, the latter being the warmer. The summers are warmer in the interior of the State than on the coast, and conversely in the winter. Days of extreme heat are usually followed by convectional thunder showers, a temperature change of 20°, or more, within a few hours being a feature of summer weather.

Frost may occur over the northern portion of the section during the first decade in November, and at intervals light frost may be expected during the last of October. It is rarely damaging, however, before the second decade of November, or the fore part of December, and occasionally the lower counties of the section experience none of any severity during the entire winter. The last of February, on an average, marks the passing of dangerous frost, although the vagaries of the climate are indicated in the possibility of frost occurring as late as the first week of April; fortunately, however, such incidents are so rare as not to merit serious reflection. March frosts have damaged fruit bloom over some of the northern counties, but such is possible, as a rule, only when the preceding February was abnormally warm and wet, thereby stimulating premature growth. This condition, when followed by midwinter temperatures in March, is necessarily damaging to bloom and tender buds.

PRECIPITATION.

There are rain-bearing winds, and winds that are relatively dry. As a rule, the rainfall is quite uniform and seasonable, the proximity to the Atlantic Ocean and the Gulf being such as to render a severe drouth an unexpected contingency. Abnormal distribution of atmospheric pressure occasionally results in dry spells, and the importance of irrigation, even in this land of heavy precipitation, is a matter of much consequence. The fact that droughty conditions sometime occur during the autumn and spring, militates occasionally against a maximum realization of the husbandman's efforts, and to offset which much interest is taken in sub and surface irrigation.

The availability of ample water supply is obvious, and many progressive fruit and vegetable growers have provided for artesian wells, thereby mitigating the ill effects of anti-periodic dry spells. The artesian water supply, usually alkali, is abundant at a depth of from 100 to 500 feet, and it is used to succor citrus fruits, melons, vegetables, strawberries, and other products of winter and spring growth.

As is the case with Section 84, the precipitation history of the Section is one of extreme fluctuation. There have been 24-hour and monthly amounts exceeding 10 and 20 inches, respectively, and annual amounts of 80 inches. On the other hand, there have been months, fortunately rare, when the total precipitation did not exceed a trace. The State is of such longitudinal configuration that it may experience a drought over one portion, while precipitation may be well distributed and heavy over the other portions. The seasonal precipitation for the Section, based on well selected stations with long records is: winter, 10.81; spring, 9.61; summer, 20.83; and autumn, 12.47, inches. The distribution of rainfall varies with the geographical location of the section considered as well as for the month of the year. For instance, it is heaviest over the northwestern and extreme northern counties during the winter and spring months, and least for the same period over most of the peninsula. During the summer fully 75 per cent of the precipitation occurs during the day, mostly in the afternoon as thundershowers. These showers rarely continue into the night, at the beginning of which the clouds disappear, and a nocturnal temperature of 68° to 70° follows. As winter advances, the night and day rains are more evenly distributed, the preponderance, however, is always during the day. About 50 per cent of the annual rainfall occurs from June to September, and, as a rule, there is a progressive increase from May to September. There are two well defined rainy periods. The major maximum occurs generally in September, except in northwest portion, where it takes place in July and August, although there is no great difference in the amounts at some stations from July to September. A less marked secondary rainy period sets in with December and terminates, as a rule, with March. The first rainy period is due to the convectional activities of summer together with the approach of tropical disturbances from low latitudes. The second rainy period is in consequence of the south and east sweep of continental disturbances as they move across the country. April and November are the driest months. Dividing the year, however, into two seasons—wet and dry—the former embraces the months from May to September, inclusive, and the latter from October to April. The average monthly precipitation during the rainy season ranges from 6 to 10 inches, and from less than 2 inches to about 4 inches during the dry season, mainly from November to April, except that the December precipitation exceeds 4 inches over the northwestern portion of the Section. Although the annual precipitation is large, the porosity of the soil over most of the Section is such that seepage is greatly facilitated, which, in conjunction with evaporation, results in the rapid loss of moisture. Very little moisture is stored up in the soil, except in the northwestern interior counties, where the sub-soil is of a clay texture, but the loss is largely offset by a high percentage of rainy days. The number of days with .01 inch or more of rain ranges from 3 to 7 during the dry season, except on the extreme west coast, where it is greater, and from 10 to 15 days during the rainy months. Snow in measurable quantities occurs over the extreme northern portion of the Section during long intervals of years.

MISCELLANEOUS.

High winds may be expected, particularly on the coast, during the late summer and autumn, as tropical disturbances move northward, but storms of severity are of restricted area and by no means of yearly occurrence.

From autumn to spring the prevailing winds are from the north-northeast, becoming southwest to west during the rest of the year. The average hourly velocity is greatest, as a rule, from January to April.

The percentage of relative humidity is highest in September and lowest in April; in fact, beginning with October and continuing until the late spring, the aseptic properties of the air are very favorable.

The late autumn, winter, and spring months constitute the dry season in Florida, which, considered in connection with moderate temperatures, make possible an out-door life—a priceless boon to thousands upon whom may have fallen the bane of physical ills.

ALEXANDER J. MITCHELL,
Section Director.

Precipitation in Northern Florida. Monthly, annual, and average amounts, in inches and hundredths.

[Values in bold-face type interpolated from surrounding stations.]
T—Indicates trace of precipitation; i. e. amount too small to measure.

NORTHERN INTERIOR GROUP.

GAINESVILLE, ALACHUA COUNTY, FLA.

Elevation, 176 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1856...	......	......	......	......	......	6.39	6.09	3.56	2.91	1.28	3.24	2.37	......
1857...	2.33	0.10	2.19	2.43	2.95	11.13	7.52	4.30	0.75	0.52	1.22	1.80	37.24
1858...	4.07	4.67	3.83	0.72	2.77	4.13	9.70	8.43	11.69	3.64	3.28	1.50	58.43
1859...	1.72	2.40	7.45	1.98	1.81	2.89	8.71	11.59	1.63	1.45	1.83	2.24	45.70
1860...	1.56†	2.48†	1.72	1.68	3.82	4.26	5.74	6.46	2.74	1.98	1.60	2.15	36.19
1861...	7.67	2.85	1.22†	3.44†	11.35†	6.84†	8.33†	4.91†	2.41†	2.22†	0.59†	0.36†	52.19
1862...	3.55†	2.87†	2.70†	......	......	......	......	......	......	......	......	......	......
1863–1882.	......	......	......	......	......	......	......	......	......	......	......	......	......
1883...	......	......	......	......	......	5.97	6.55	8.61	2.98	1.30	0.75	0.21	......
1884...	5.43	2.14	5.83	2.45	4.72	11.66	8.33	5.35	1.95	0.29	3.80	3.75	55.70
1885...	8.18	6.90	3.75	0.27	6.63	11.45	5.91	10.23	11.62	4.77	1.41	5.61	76.73
1886...	3.24	1.57	12.33	4.19	1.83	12.55	14.49	5.50	3.05	2.11	1.08	3.52	65.46
1887...	3.52	0.38	4.14	7.75	3.29	6.39	9.72	8.37	2.51	1.19	0.37	5.65	53.28
1888...	0.87	5.41	1.34	1.33	9.16	1.97	3.74	5.91	10.82	5.22	7.61	4.49	57.87
1889...	......	......	1.25	3.70	0.65	9.18	8.72	7.48	7.44	2.14	1.10	0.00	......
1890...	0.18	1.28	3.25	1.33	10.53	2.33	11.28	2.72	6.22	6.47	0.94	1.29	47.82
1891...	1.42*	**2.50**	4.85*	1.62*	3.09	8.89	4.23	9.27	3.91	0.44	0.62	2.24*	43.08
1892...	2.57*	0.32*	1.38*	1.45	2.46	20.19*	2.36	11.15*	8.16	3.53	0.33	3.40*	57.30
1893...	1.23*	**3.68**	**7.24**	**2.23**	3.15	11.00	3.90	9.48	7.05	2.97	7.15	4.20*	62.68
1894...	2.71*	4.88*	1.96*	1.44*	2.29	5.11	10.70	7.23	19.91	1.18	5.24	0.45*	63.10
1895...	5.05*	3.34*	2.33*	2.96*	4.26	2.95	10.28	3.34	4.34	0.64	4.00*	1.78*	50.27
1896...	4.20*	3.43*	3.63*	1.83*	3.16	11.14	4.96	6.35	6.17	3.28*	4.72*	2.85*	55.72
1897...	2.05*	8.78*	0.96	4.89	2.18	4.41	7.18	5.99	7.29	4.31	1.08	4.35	53.47
1898...	1.07	3.49	0.83	2.85	2.06	3.28	12.71	8.21	3.47	6.27	2.93	3.31	50.48
1899...	3.81	4.15	0.83*	0.14	1.75	2.43	6.89	7.69	3.98	1.76	0.57	1.15	35.15
1900...	3.98	1.85	7.85	7.83	4.05	10.12	4.15	2.33	2.66	2.39	0.69	4.34	52.24
1901...	2.69	9.20	6.97	1.60	2.03	8.66	7.76	9.54	4.08	3.30	0.27	2.97	59.07
1902...	0.27	3.43	4.15	1.70	1.14	8.21	4.85	2.77	10.42	3.30	4.27	7.31	51.82
1903...	5.15	5.29	6.68	0.37	5.05	5.71	5.72	8.63	4.12	0.70	0.25	1.49	49.16
1904...	11.79	2.83	1.35	1.83	0.88	6.08	7.33	4.29	4.95	2.77	2.63	2.32	49.05
1905...	0.94	3.29	2.64	1.54	4.27	8.82	8.30	14.90	5.99	2.95	0.46	5.63	59.73
1906...	3.60	1.73	1.57	0.56	6.67	10.55	10.28	4.49	2.29	1.83	0.11	0.35	43.43
1907...	0.81	0.87	0.32	3.08	3.91	4.35	6.78	5.55	10.39	2.57	2.38	4.54	45.55
1908...	3.28	2.95	0.16	1.66	1.78	8.95	6.28	5.31	9.62	2.38	0.65	0.10	43.12
Means	3.28	3.28	3.44	2.36	3.79	7.44	7.48	7.03	5.86	2.54	2.10	2.74	51.34

† Values for Micanopy, 11 miles south of Gainesville.

The values from 1883 to 1890, inclusive, together with those marked thus (*) are for Archer, 14 miles southwest of Gainesville.

JASPER, HAMILTON COUNTY. FLA.

Elevation, 152 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1898...	0.51	1.35	2.51	1.85	......	......	......	......	......	......	......	5.52	......
1899...	5.75	3.11	......	1.71	1.95	5.50	**5.68**	6.13	0.65	2.12	0.20	1.49	......
1900...	2.41	5.12	6.01	4.00	1.40	5.50	9.70	1.38	1.50	3.43	1.35	**3.81**	45.61
1901...	......	**7.22**	7.70	3.74	6.22	6.73	6.66	**8.72**	**5.36**	2.30	0.55	1.90	......
1902...	0.44	6.52	8.08	1.45	2.27	**9.46**	**6.02**	**5.40**	**7.58**	2.69	5.42	6.26	61.59
1903...	4.11	5.57	3.23	0.84	7.16	6.51	5.04	**9.01**	7.75	2.06	1.47	1.34	54.09
1904...	6.23	2.35	1.61	0.62	1.41	3.13	**8.37**	7.43	3.68	0.25	1.77	1.62	38.47
1905...	2.27	7.72	5.28	2.29	5.08	2.86	2.30	7.78	6.26	0.37	1.91	8.27	52.39
1906...	4.45	2.76	2.66	0.00	8.74	4.45	9.71	9.74	3.29	1.17	0.00	1.53	48.50
1907...	0.73	0.90	0.56	7.04	1.97	7.31	4.53	7.26	8.08	0.10	2.29	9.43	50.20
1908...	2.12	3.17	0.52	4.00	3.33	8.06	7.55	2.15	3.50	1.69	0.00	**0.96**	37.07
Means	2.90	4.17	3.82	2.50	3.95	5.95	6.56	6.50	4.76	1.62	1.50	3.83	48.06

JOHNSTOWN, BRADFORD COUNTY, FLA.

Elevation, 125 feet.

1896...	......	......	......	0.27	4.67	9.90	8.84	11.22	6.85	5.50	4.30	1.21	......
1897...	1.49	9.77	2.89	7.04	2.81	6.67	3.23	**8.23**	6.36	4.02	1.15	1.98	55.64
1898...	0.95	4.78	1.48	1.52	1.55	3.90	14.04	19.70	2.00	5.50	......	4.93	......
1899...	4.85	3.81	1.53	1.30	0.53	4.92	7.23	6.30	5.93	......	......	......	......
1900...	......	......	......	......	1.66	8.60	6.92	3.47	2.92	3.16	1.41	5.04	......
1901...	1.52	10.65	8.27	2.05	2.91	......	6.55	9.57	3.37	2.15	0.60	3.71	......
1902...	0.48	3.23	6.27	1.16	1.51	6.43	4.72	6.49	11.63	......	3.68	4.90	......
1903...	7.21	......	......	......	......	......	8.33	14.79	5.63	1.05	0.46	3.42	......
1904...	5.31	2.34	0.55	2.56	1.80	**5.21**	**8.98**	8.24	6.27	4.66	**2.58**	2.05	50.50
1905...	2.25	4.91	3.04	**2.22**	7.53	3.30	8.70	**11.71**	5.95	1.25	0.61	**8.16**	57.73
1906...	**3.52**	2.77	2.81	0.35	11.57	8.66	9.93	3.67	2.64	**3.19**	0.04	1.07	50.22
1907...	0.57	**0.94**	**0.74**	3.85	0.99	**5.17**	7.63	3.35	11.95	**1.63**	**2.27**	**4.60**	43.78
1908...	2.25	1.10	0.15	0.85	1.73	10.84	7.59	**2.63**	8.25	1.00	**0.44**	0.42	37.45
Means	2.76	4.43	2.77	2.12	3.27	6.69	7.90	8.43	6.13	3.01	1.59	3.30	52.40

From April, 1896, to December, 1901, the values are for Lake Butler, 4 miles southwest of Johnstown.

LAKE CITY, COLUMBIA COUNTY, FLA.

Elevation, 210 feet.

1857...	......	......	......	......	......	......	......	......	......	......	......	5.60	......
1858...	6.10	6.10	6.50	3.00	3.83	5.83	12.33	8.00	14.00	3.70	5.60	4.70	79.69
1859...	2.60	2.40	9.20	6.80	3.60	2.80	11.20	14.05	4.80	0.90	9.40	7.80	75.55
1860...	5.50	......	7.20	4.90	4.00	......	......	......	......	......	......	......	......
1861–1865.	......	......	......	......	......	......	......	......	......	......	......	......	......
1866...	......	......	......	......	......	......	......	8.19	13.25	3.50	......	......	......
1867...	......	......	......	......	......	......	......	......	......	......	......	......	......
1868...	13.00	8.25	2.87	1.87	3.13	......	......	......	......	......	......	......	......
1869...	9.37	......	......	......	......	......	......	......	......	......	......	......	......
1870...	......	......	......	......	......	......	......	......	......	......	......	......	......
1871...	......	......	......	......	......	......	......	......	7.51	5.03	3.99	2.05	......
1872...	2.41	3.02	9.59	1.90	0.20	5.29	3.86	5.25	4.53	5.24	1.52	3.47	46.28
1873...	5.36	1.25	6.31	2.70	5.97	9.27	5.81	5.25	3.86	0.29	4.79	2.31	53.17
1874...	0.72	7.49	1.37	4.26	2.27	7.80	3.96	0.89	4.00	0.13	**5.06**	**4.22**	42.27
1875–1888.	......	......	......	......	......	......	......	......	......	......	......	......	......
1889...	**8.50**	**3.70**	3.17	3.50	0.88	**10.00**	**9.00**	9.37	9.89	1.25	2.30	0.00	61.56
1890...	0.08	0.68	3.54	1.15	9.94	6.95	7.86	4.49	......	......	......	......	......
1891...	......	1.22	4.25	1.56	1.57	4.92	......	......	......	......	......	......	......
1892...	......	......	......	......	......	......	......	......	......	......	......	4.99	......
1893...	1.15	3.53	9.95	3.65	2.34	10.82	4.75	5.31	4.34	2.33	3.45	6.96	58.58
1894...	2.48	6.45	3.17	2.26	1.34	5.78	9.43	5.66	6.70	3.53	3.86	2.51	53.17
1895...	5.86	4.02	3.59	4.27	2.56	5.03	9.13	5.00	1.14	0.40	2.76	1.58	45.34
1896...	2.59	2.54	3.67	1.03	1.36	10.36	10.87	4.42	4.48	4.42	5.54	3.38	54.66
1897...	1.27	12.79	3.09	5.00	0.66	7.42	2.69	6.58	6.43	3.84	0.93	4.10	54.80
1898...	0.54	4.04	1.60	1.94	1.47	2.42	11.96	9.05	4.04	8.03	2.54	5.52	53.15
1899...	4.18	3.42	2.05	1.09	1.37	3.06	4.16	3.66	2.95	2.75	0.21	1.59	30.49
1900...	2.66	4.49	6.93	6.40	2.23	6.96	5.52	2.35	2.21	3.15	2.90	3.96	49.76
1901...	3.95	7.65	7.78	1.83	5.16	8.36	5.65	8.72	5.18	3.90	0.46	3.21	61.85
1902...	0.46	4.24	6.83	2.04	1.79	9.42	7.41	5.21	7.18	3.32	3.20	4.70	55.80
1903...	4.50	4.55	3.28	1.29	5.05	7.12	7.93	10.04	5.27	1.57	0.83	1.78	53.21
1904...	4.68	2.26	1.19	0.97	0.30	6.68	10.43	8.30	2.00	2.45	2.05	1.50	42.81
1905...	2.40	4.78	4.46	**1.00**	6.47	5.34	4.29	7.76	5.64	1.42	1.20	6.56	51.92
1906...	3.54	3.45	2.78	1.70	9.96	8.22	15.92	3.92	1.04	3.89	**0.00**	**1.27**	55.69
1907...	0.47	1.06	1.00	5.57	3.65	7.41	6.39	6.77	6.85	0.39	2.10	5.36	47.02
1908...	3.47	3.17	0.40	3.33	2.13	3.43	4.85	2.55	4.39	0.55	0.35	1.21	29.83
Means	4.07	4.26	4.45	2.91	3.20	6.70	7.63	6.28	5.49	2.75	2.83	3.62	54.19

McCLENNY, BAKER COUNTY, FLA.

Elevation, 125 feet.

1896...	**2.10**	2.86	3.68	0.37	3.22	10.12	6.25	7.62	0.70	3.35	3.69	2.50	**46.46**
1897...	1.28	11.06	2.47	4.51	1.20	7.53	6.49	12.11	9.35	5.26	**1.47**	3.25	**65.98**
1898...	0.46	3.12	1.49	1.74	1.86	5.57	15.79	7.43	3.65	3.51	1.87	5.23	**51.72**
1899...	4.59	3.89	1.71	4.23	4.03	4.91	7.00	5.18	2.94	2.49	**0.00**	1.05	**42.02**
1900...	2.66	5.28	12.37	8.15	0.68	5.32	11.99	1.75	2.22	3.07	2.09	4.23	**58.81**
1901...	......	6.67	7.87	1.70	5.33	8.61	......	10.96	7.88	1.75	0.66	3.72	......
1902...	0.41	3.93	7.98	1.35	1.50	5.23	4.50	4.79	6.92	3.69	3.36	5.30	**46.98**
1903...	6.31	5.59	4.43	1.45	10.95	5.57	9.27	7.07	4.31	1.70	1.05	1.39	**59.00**
1904...	6.35	2.51	0.97	1.08	1.34	2.86	9.09	5.60	6.16	3.91	3.00	1.36	**44.23**
1905...	2.07	**5.35**	......	3.09	5.24	4.36	3.24	12.48	6.54	1.27	0.85	6.28	......
1906...	4.42	3.32	2.36	0.13	13.38	4.51	9.59	5.77	3.60	1.37	0.00	1.18	**49.63**
1907...	0.36	1.13	0.73	6.70	7.47	3.26	4.12	5.18	8.38	1.97	**1.36**	4.17	**44.82**
1908...	3.03	2.65	0.61	1.85	3.53	5.35	7.37	1.11	7.44	2.69	0.31	1.91	**37.85**
Means	**2.84**	**4.41**	**3.50**	**2.00**	4.59	5.63	**7.39**	**6.70**	**5.39**	2.77	**1.52**	**3.30**	**51.63**

LIVE OAK, SUWANEE COUNTY, FLA.
Elevation, 104 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1871...	......	......	......	1.35	6.55	13.63	2.63	12.21	6.34	3.12	1.95	2.50	......
1872...	3.15	2.74	8.76	4.10	0.30	6.01	6.57	6.03	3.10	4.20	3.10	0.23	48.29
1873...	5.20	0.80	7.20	1.50	2.15	7.92	4.30	......	3.98	......	......	......	......
1874...	1.30	6.45	0.69	4.40	2.21	2.82	2.73	1.56	6.67	......	3.25	1.12	......
1875–1881.	......	......	......	......	......	......	......	......	......	......	......	......	......
1882...	......	......	......	5.01	2.94	5.78	10.98	7.03	4.76	7.64	......	......	......
1883...	......	......	......	2.48	2.62	7.96	7.85	4.61	1.51	0.13	......	......	......
1884...	......	......	......	1.62	2.49	9.32	3.77	3.72	0.50	0.27	......	......	......
1885...	......	......	......	......	5.58	6.97	5.51	9.71	11.18	3.35	......	......	......
1886...	......	......	......	1.87	4.90	7.09	7.52	8.93	3.43	0.24	......	......	......
1887...	......	......	......	......	7.13	4.19	7.82	4.95	1.87	1.64	......	......	......
1888...	......	......	......	0.01	4.17	2.49	2.83	5.83	6.02	......	......	......	......
1889...	......	......	......	......	0.33	10.12	9.56	14.02	6.67	0.00	0.00	......	......
1890–1895.	......	......	......	......	......	......	......	......	......	......	......	......	......
1896...	......	......	......	0.49	3.90	15.40	11.23	8.23	3.02	2.67	4.70	2.07	......
1897...	0.79	9.10	1.29	4.37	0.93	4.06	5.49	8.49	......	......	......	......	......
1898...	......	......	......	......	......	......	......	......	3.16	......	......	......	......
1899...	5.69	......	......	......	......	......	......	......	......	......	......	......	......
1900...	......	......	......	......	......	......	......	4.13	3.13	3.45	1.79	2.08	......
1901...	4.20	6.75	5.95	2.40	5.75	3.65	3.00	......	6.35	......	1.40	......	......
1902...	......	......	4.90	0.95	3.31	15.01	4.48	5.17	8.76	2.25	4.12	6.20	......
1903...	4.59	5.51	5.06	1.53	7.55	8.00	8.42	9.55	7.81	2.38	0.65	2.23	63.28
1904...	5.99	3.37	2.00	0.91	3.17	3.65	7.11	7.11	1.56	0.97	1.88	2.33	40.05
1905...	2.53	4.69	2.93	1.87	3.67	......	......	......	......	......	......	......	......
1906–1907.	......	......	......	......	......	......	......	......	......	......	......	......	......
1908...	......	......	......	3.74	......	......	......	......	......	......	......	......	......
Means	3.72	4.93	4.31	2.27	3.67	7.45	6.21	7.13	4.73	2.31	2.58	2.34	51.61

The values from April, 1871, to December, 1874, are for Wellborn, 10 miles southeast; from April, 1896, to August, 1897, for Emerson, 11 miles south; from August, 1900, to November, 1901, for McAlpin, 9 miles south; and from March, 1902, to May, 1905, for Pinemount, 8 miles south of Live Oak.

OCALA, MARION COUNTY, FLA.
Elevation, 93 feet.

1889...	......	......	......	......	......	......	......	......	......	......	2.04	0.00	......
1890...	0.11	1.53	1.21	......	......	......	......	......	......	......	......	0.95	......
1891...	1.24	2.72	2.79	0.39	6.67	7.35	......	......	......	......	......	......	......
1892...	3.72	0.24	1.38	0.64	4.62	13.33	2.77	10.02	15.56	3.63	0.20	2.42	58.53
1893...	1.16	3.83	5.26	1.24	3.47	6.65	......	4.03	9.37	2.96	3.00	2.23	......
1894...	2.21	1.43	0.99	0.03	3.33	4.93	8.41	7.04	14.42	2.26	2.72	1.38	49.15
1895...	1.60	2.24	1.12	3.73	4.61	5.28	9.78	8.82	5.44	0.80	3.03	0.69	47.14
1896...	4.58	3.14	2.77	0.78	1.53	12.98	5.02	5.00	2.84	1.06	3.67	1.49	44.86
1897...	2.11	5.12	1.05	3.96	0.82	5.72	7.03	6.90	9.83	3.55	0.53	3.08	49.70
1898...	1.44	1.38	1.24	2.54	2.38	3.50	12.66	11.89	4.31	7.67	1.63	4.19	54.83
1899...	5.63	5.20	1.24	3.77	0.62	8.68	6.49	4.61	6.16	3.19	0.22	1.50	47.31
1900...	3.67	5.64	6.04	7.26	0.72	14.30	4.61	8.40	4.46	4.89	0.26	5.97	66.23
1901...	2.09	5.35	4.49	1.08	3.24	9.80	8.16	13.46	7.47	0.41	1.18	2.91	59.64
1902...	0.22	4.03	6.61	1.22	2.32	5.93	8.41	3.90	7.16	6.26	2.81	2.43	51.30
1903...	6.52	5.57	8.50	T.	5.37	8.02	9.55	9.70	4.23	0.36	1.20	1.69	60.71
1904...	7.17	2.03	0.15	1.20	1.04	5.50	8.79	8.72	7.10	3.64	2.45	1.07	48.86
1905...	1.01	4.39	5.81	1.94	4.00	6.19	6.79	9.86	7.80	0.37	0.60	7.08	55.84
1906...	4.16	1.65	3.20	2.33	7.40	10.36	15.42	5.49	3.12	0.88	0.45	0.54	55.00
1907...	0.88	2.55	0.77	2.55	6.75	4.61	8.06	4.97	7.98	2.55	1.37	4.40	47.44
1908...	**6.32**	2.58	0.26	1.55	2.03	5.27	9.11	**5.29**	7.67	1.32	1.66	0.95	44.01
Means	2.73	3.19	2.89	2.01	3.38	7.69	8.19	7.54	7.35	2.69	1.61	2.37	51.64

ROCKWELL, MARION COUNTY, FLA.
Elevation, 60 feet.

1899...	......	......	......	......	......	......	......	8.23	**4.56**	1.53	0.32	**0.34**	......
1900...	2.68	6.40	6.32	6.47	**0.90**	8.75	**5.50**	**6.28**	4.73	2.46	3.00	6.33	59.82
1901...	2.15	5.25	5.42	1.52	6.00	9.05	5.15	13.40	7.40	2.05	**3.45**	0.65	61.49
1902...	0.00	2.75	5.80	1.20	4.65	**3.93**	**5.75**	**4.00**	11.95	4.20	3.90	1.85	49.98
1903...	3.95	**5.22**	8.36	0.11	4.38	14.54	12.95	**9.88**	5.90	0.70	**1.07**	**1.82**	68.88
1904...	7.85	1.87	0.25	1.15	0.84	5.08	11.93	8.12	5.13	3.62	1.96	1.34	50.14
1905...	0.82	2.69	2.25	1.98	4.70	6.96	**7.47**	22.49	5.68	1.41	0.60	**4.58**	61.13
1906...	2.90	**1.23**	4.19	1.91	7.93	4.41	12.35	11.02	2.15	1.13	0.86	0.23	50.31
1907...	0.86	2.65	0.10	3.37	4.03	3.93	9.37	6.19	5.70	0.60	0.60	4.79	42.19
1908...	3.23	2.44	0.16	0.51	1.74	7.63	5.01	5.31	6.79	1.14	1.44	0.07	35.47
Means	2.72	3.40	3.65	2.02	3.85	7.14	8.39	9.60	6.00	1.88	1.72	2.18	52.55

NORTHEAST COAST GROUP.

HUNTINGTON, PUTNAM COUNTY, FLA.
Elevation, 51 feet.

1896...	......	......	......	......	......	......	......	......	......	......	2.03	1.23	......
1897...	1.66	4.17	0.52	4.82	2.38	7.06	8.56	6.85	12.29	4.42	1.78	2.69	57.20
1898...	0.91	1.34	0.94	1.33	6.16	2.25	5.44	10.79	2.93	6.25	2.43	2.53	43.30
1899...	4.54	4.64	0.99	3.88	0.95	8.17	11.63	8.59	4.84	5.52	0.55	1.41	55.71
1900...	2.35	3.67	7.01	2.56	2.98	12.17	5.88	5.35	5.73	3.54	1.04	4.54	56.82
1901...	2.19	4.83	3.81	1.02	3.44	7.10	3.39	10.75	11.27	1.27	1.80	2.28	53.15
1902...	0.17	4.60	4.08	1.91	0.75	2.66	6.86	3.06	9.28	5.73	3.03	2.55	44.68
1903...	6.39	5.08	4.98	0.50	5.52	6.98	2.92	5.20	6.15	1.03	1.45	2.01	48.21
1904...	6.32	3.44	1.15	0.80	2.18	4.52	6.65	4.16	**5.47**	5.09	2.63	2.23	44.64
1905...	0.49	3.45	3.97	1.62	3.48	4.67	3.41	16.59	9.05	1.51	1.24	4.61	54.09
1906...	3.75	3.11	2.14	2.11	7.94	8.56	13.23	4.89	2.84	6.06	0.40	0.21	55.24
1907...	0.38	2.63	1.44	2.62	7.15	4.54	5.78	4.26	7.39	0.94	1.06	5.44	43.63
1908...	1.96	2.11	0.40	2.60	0.55	4.14	4.89	7.10	14.10	2.54	2.53	1.12	44.14
Means	2.59	3.59	2.62	2.15	3.62	6.07	6.55	7.31	7.61	3.66	1.69	2.53	49.99

FEDERAL POINT, PUTNAM COUNTY, FLA.
Elevation, 10 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1892...	......	0.26	......	0.77	1.16	8.07	2.50	12.10	13.51	3.32	0.05	1.80	......
1893...	0.67	9.53	8.40	3.91	6.83	6.28	4.62	9.89	7.29	7.87	3.16	2.68	71.13
1894...	4.23	2.16	1.84	1.78	2.33	3.09	9.54	6.99	19.19	3.86	7.61	1.73	64.35
1895...	2.51	3.74	1.57	3.44	4.03	7.51	7.66	3.61	6.14	1.22	3.60	1.52	46.55
1896...	4.08	2.57	2.47	0.08	0.68	9.36	6.90	6.01	3.59	8.58	4.44	3.67	52.43
1897...	3.63	5.55	1.31	5.13	1.39	4.44	7.05	5.29	17.30	7.28	2.39	3.71	64.47
1898...	0.83	1.09	1.30	7.45	1.17	3.04	13.01	10.59	2.31	4.82	2.21	3.15	50.97
1899...	3.35	4.34	1.78	7.41	1.90	5.34	11.25	6.18	4.62	4.81	0.32	2.03	53.33
1900...	3.99	2.10	5.54	5.18	3.67	9.70	6.12	2.21	8.17	9.99	1.19	5.54	63.40
1901...	2.97	4.91	7.07	1.11	3.68	9.77	5.05	9.62	10.20	3.54	2.09	2.65	62.66
1902...	0.73	3.72	3.77	1.65	**1.04**	**4.50**	3.72	5.19	9.31	6.97	3.52	6.00	50.12
1903...	5.56	5.46	3.53	0.24	9.07	6.04	5.30	4.19	13.96	0.86	1.18	1.24	56.63
1904...	6.95	6.00	2.33	1.77	1.41	5.14	3.75	6.06	4.04	7.88	2.38	1.19	48.90
1905...	1.04	3.81	4.35	1.16	6.49	3.22	4.81	13.65	5.40	4.60	0.91	3.59	53.03
1906...	3.53	3.51	2.23	3.34	12.81	10.49	9.20	8.60	2.88	4.11	0.06	0.44	61.20
1907...	0.47	1.07	1.06	3.23	5.03	4.18	9.36	7.58	7.99	0.76	1.19	4.80	46.72
1908...	2.72	2.09	0.34	2.86	2.38	6.01	8.34	4.76	11.31	3.10	0.74	0.89	45.54
Means	2.95	3.64	3.06	2.97	3.83	6.25	6.95	7.21	8.66	4.92	2.18	2.74	55.36

FERNANDINA, NASSAU COUNTY, FLA.
Elevation, 10 feet.

1882...	......	......	......	3.77	0.88	4.07	8.48	2.26	1.88	17.17	......	......	......
1883...	......	......	......	5.75	4.46	4.96	4.26	6.41	5.14	8.94	......	......	......
1884...	......	......	......	1.85	3.04	8.31	5.00	7.02	......	1.00	......	......	......
1885...	......	......	......	1.00	5.21	3.97	7.62	7.47	13.16	5.26	......	......	......
1886...	......	......	......	......	0.57	3.68	6.72	4.50	......	2.20	......	......	......
1887–1890.	......	......	......	......	......	......	......	......	......	......	......	......	......
1891...	......	......	......	......	......	......	......	6.38	6.46	9.41	2.20	4.10	......
1892...	3.20	2.60	1.50	0.10	3.90	9.00	3.95	6.75	10.35	2.22	0.21	4.04	47.82
1893...	1.45	7.70	7.17	1.90	2.47	6.10	5.70	10.50	4.90	3.90	2.00	4.80	58.59
1894...	2.80	4.70	2.60	0.10	1.05	2.60	6.55	7.10	15.38	1.00	4.32	0.76	48.96
1895...	4.50	3.72	3.43	4.73	2.99	5.28	4.74	1.08	1.77	0.88	3.19	1.58	37.89
1896...	2.85	1.96	2.92	1.20	0.60	6.97	4.64	5.03	1.13	5.51	4.42	2.99	40.22
1897...	2.32	7.82	2.98	4.16	0.89	3.00	4.65	6.75	10.88	7.64	1.69	......	......
1898–1800.	......	......	......	......	......	......	......	......	......	......	......	......	......
1901...	......	......	......	......	......	......	......	......	......	......	0.83	3.37	......
1902...	0.50	4.03	5.25	1.37	2.32	3.69	5.36	4.54	20.25	10.09	4.58	7.28	69.26
1903...	6.84	6.49	3.54	1.44	16.27	4.61	1.17	3.06	4.13	1.93	4.12	......	......
1904...	7.50	6.33	2.10	0.84	2.50	4.54	2.13	......	......	8.99	5.66	1.00	......
1905...	2.62	5.44	6.54	2.03	8.09	2.32	5.11	15.89	14.64	10.56	1.07	9.00	83.31
1906...	4.54	4.61	1.37	0.96	9.12	6.61	14.59	4.45	4.95	4.03	T.	1.42	56.65
1907...	0.31	0.80	0.62	8.76	3.13	4.43	8.23	3.36	8.99	2.84	2.22	4.59	48.28
1909...	2.65	2.26	0.62	8.52	2.56	2.01	16.79	1.93	15.89	1.28	1.03	0.63	56.17
Means	3.24	4.50	3.13	2.85	3.89	4.79	6.43	5.80	9.37	5.52	2.52	3.50	55.54

The values from August, 1891, to November, 1897, inclusive, are for Amelia only a short distance from Fernandina.

MIDDLEBURG, CLAY COUNTY, FLA.
Elevation, 10 feet.

1899...	......	......	......	......	......	......	......	......	......	......	......	1.21	......
1900...	2.48	3.88	7.60	13.05	2.37	7.49	8.25	1.92	5.29	7.54	1.09	6.38	67.34
1901...	3.21	8.85	8.71	1.09	5.86	10.73	6.78	10.18	13.56	1.81	0.85	3.45	75.08
1902...	0.13	3.93	7.04	2.59	2.17	8.97	2.47	4.33	10.01	5.88	3.85	6.21	57.58
1903...	......	6.84	4.12	1.01	18.01	5.64	5.33	10.01	4.09	2.76	1.23	1.21	......
1904...	7.95	3.44	**2.13**	2.68	3.68	8.22	6.59	6.06	6.33	9.48	2.64	2.32	61.52
1905...	1.72	4.02	5.61	4.51	5.78	3.59	8.35	10.14	6.44	3.45	0.07	4.90	58.58
1906...	3.77	3.77	2.08	1.26	17.13	**7.74**	**10.56**	**4.36**	5.00	5.68	0.01	0.27	61.63
1907...	0.37	0.70	0.90	......	......	......	......	......	......	......	......	......	......
1908...	2.02	2.34	0.36	3.35	2.43	4.52	11.18	2.36	16.66	1.08	**0.50**	**0.45**	47.25
Means	2.71	4.20	4.28	3.69	7.18	7.11	7.44	6.17	8.42	4.71	1.28	2.93	60.12

The values for the year 1902 are for Rideout, only a few miles from Middleburg.

ORANGE CITY, VOLUSIA COUNTY, FLA.
Elevation, 39 feet.

1890...	......	......	......	......	......	......	......	......	......	......	......	0.46	......
1891...	1.69	1.03	3.44	7.05	2.92	7.88	12.01	4.87	8.55	7.19	2.07	4.30	63.00
1892...	1.86	0.48	0.87	0.92	4.78	4.00	**2.15**	6.17	9.01	1.72	0.39	2.68	35.03
1893...	**1.74**	4.55	5.41	0.58	**2.09**	**7.29**	**3.52**	**5.39**	4.84	9.02	1.96	3.23	49.62
1894...	1.81	0.48	0.53	0.63	0.88	2.61	8.77	**5.67**	11.60	2.04	2.03	0.36	37.41
1895...	2.07	0.77	2.64	2.89	5.24	**4.77**	**5.36**	**6.59**	**5.12**	2.14	2.16	0.87	40.62
1896...	6.56	2.82	1.27	0.00	4.12	10.96	**7.00**	**6.07**	3.73	1.66	3.65	1.40	49.24
1897...	1.58	4.57	0.76	1.47	2.40	7.19	2.89	5.30	14.03	5.26	3.66	2.21	51.32
1898...	0.98	1.96	0.61	0.65	0.41	5.18	4.61	10.95	4.05	7.98	1.56	2.54	41.48
1899...	4.08	9.00	1.96	4.41	0.50	4.23	10.13	**6.52**	5.35	8.48	0.55	0.58	55.79
1900...	2.99	3.41	5.79	2.08	3.92	12.95	3.93	2.78	5.62	4.86	0.66	2.36	51.35
1901...	1.50	2.56	2.59	1.05	3.13	9.20	4.31	12.87	6.22	2.13	2.13	1.59	49.28
1902...	0.75	3.88	2.37	2.85	1.15	......	**4.25**	**2.43**	**9.22**	**10.74**	**0.98**	**2.00**	......
1903...	5.01	5.99	5.92	0.35	2.78	7.85	**4.01**	**6.57**	3.24	1.13	2.00	1.40	46.25
1904...	5.52	2.51	1.12	2.01	2.43	7.21	6.98	5.33	6.38	3.88	2.32	0.68	46.37
1905...	0.41	1.94	3.56	1.56	3.14	5.52	5.16	10.63	10.92	1.97	0.37	5.65	50.83
1906...	4.59	1.05	2.18	2.27	9.46	9.71	6.74	6.93	3.39	1.59	0.00	0.00	47.91
1907...	T.	1.94	0.40	0.91	5.00	5.32	4.59	5.37	4.93	0.12	1.40	4.26	34.24
1908...	4.38	1.38	0.07	4.91	2.10	4.86	6.27	9.00	14.10	4.09	2.16	0.92	54.24
Means	2.64	2.80	2.30	2.03	3.14	6.87	5.70	6.64	7.24	4.22	1.67	2.08	47.33

JACKSONVILLE—Continued.

Elevation, 8 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1851	......	......	......	......	......	9.97	1.87	9.95	7.72	2.21	3.82	1.24	......
1852	0.75	4.60	3.60	3.80	7.00	7.50	4.47	6.70	9.60	3.60	1.25	0.75	53.62
1853	2.00	0.60	2.50	0.45	1.52	3.24	7.40	2.70	9.45	9.70	2.25	3.95	45.76
1854	3.02	2.15	1.31	4.35	4.45	5.80	6.67	8.90	10.40	1.50	3.55	4.20	56.30
1855	1.45	1.50	5.35	1.15	1.00	5.42	2.15	6.15	4.34	2.55	2.72	4.10	37.88
1856	5.90	3.05	5.75	1.33	4.05	4.42	10.85	7.25	1.10	2.20	3.48	2.93	52.31
1857	1.17	0.60	2.92	2.81	2.40	3.75	9.20	10.55	3.78	2.01	1.45	6.30	46.94
1858	3.15	5.38	3.55	1.25	3.00	1.06	7.66	3.51	10.48	2.00	2.15	2.35	45.54
1859	1.98	2.30	5.45	2.15	1.45	1.95	6.75	12.15	5.05	2.50	3.35	1.80	46.88
1860	0.35	4.60	2.70	3.70	3.75	3.40	6.40	8.05	17.50	7.95	0.55	2.05	61.00
1861	......	2.55	0.80	3.95	3.48	1.56	9.95	7.85	4.45	3.20	0.80	1.00	......
1862–1865	......	......	......	......	......	......	......	......	......	......	......	......	......
1866	......	4.20	3.65	1.70	2.95	4.12	......	10.50	2.25	3.15	0.10	1.60	......
1867	4.62	4.95	4.10	1.85	2.85	10.49	11.07	8.00	14.60	4.70	0.40	0.93	68.56
1868	2.80	2.25	1.35	2.82	3.85	12.40	7.70	4.70	6.15	3.20	0.25	2.05	49.52
1869	4.05	7.45	2.40	4.25	0.81	7.66	5.51	5.60	7.00	4.15	1.65	3.65	54.18
1870	1.05	2.25	5.40	3.20	1.50	8.15	2.65	4.40	9.35	7.10	5.29	1.95	52.29
1871	0.80	1.80	7.15	0.60	4.65	16.75	3.95	13.70	7.52	3.62	3.53	2.65	66.72
1872	3.44	2.70	7.32	2.43	1.25	6.67	2.92	6.41	10.79	6.37	1.76	4.81	56.87
1873	3.96	0.59	5.29	0.56	5.52	8.41	7.75	6.21	10.47	5.65	2.88	3.38	60.67
1874	0.82	7.33	2.13	1.60	5.38	5.92	7.48	6.89	7.07	0.10	2.94	0.65	48.31
1875	4.48	8.93	1.80	2.98	9.08	5.41	0.14	10.19	4.50	4.49	2.18	3.42	57.60
1876	0.61	3.05	5.41	7.89	1.87	4.17	2.82	8.07	3.73	8.92	2.60	6.12	55.26
1977	2.65	1.09	2.53	3.01	2.47	10.47	4.82	4.82	5.15	6.75	4.49	3.32	51.57
1878	3.14	5.32	2.37	5.38	1.52	5.03	4.63	2.85	21.12	3.81	1.39	3.86	60.42
1879	0.63	3.51	1.35	2.97	4.25	1.25	5.44	8.39	8.24	9.45	1.24	0.46	47.18
1880	3.17	6.17	1.69	1.50	6.24	3.00	5.94	8.96	5.21	16.25	6.09	1.29	65.51
1881	9.12	1.12	2.89	4.57	2.61	2.82	7.61	10.23	4.58	2.87	3.41	2.86	54.69
1882	2.58	1.09	0.89	5.23	2.20	5.14	5.75	5.65	4.39	10.30	5.70	4.34	53.26
1883	4.77	0.48	3.84	4.48	3.16	7.05	6.88	7.63	7.28	7.26	0.09	0.42	53.34
1884	4.78	2.45	2.63	2.32	5.45	6.89	6.02	5.21	5.68	4.12	5.43	4.04	55.02
1885	7.18	5.23	5.66	1.24	7.74	8.98	7.16	7.56	19.63	3.36	0.50	7.76	82.00
1886	2.81	1.87	6.74	3.08	2.81	4.78	14.97	6.25	4.91	2.47	0.97	3.20	54.86
1887	4.34	0.34	3.51	4.15	7.15	9.68	8.90	5.76	9.40	1.57	0.10	3.70	58.60
1888	0.49	4.38	1.57	0.93	5.46	2.92	8.30	4.89	11.15	6.00	4.16	2.88	53.13
1889	5.89	3.85	1.38	3.95	0.51	6.89	8.24	5.25	8.49	1.26	0.51	T.	46.22
1890	0.63	0.51	2.89	0.95	9.20	1.80	9.70	4.26	4.88	9.07	2.26	1.37	47.52
1891	1.19	0.32	4.02	1.72	2.78	3.31	4.08	3.67	10.83	4.43	1.53	3.46	41.34
1892	3.99	0.77	0.76	0.11	1.34	6.38	3.16	4.84	14.04	3.34	0.64	2.52	41.89
1893	0.98	6.87	8.90	2.67	4.18	4.66	4.54	10.02	6.09	4.48	1.76	3.08	58.23
1894	2.29	3.44	3.12	0.83	1.49	4.93	7.10	9.24	16.63	3.24	3.72	0.81	56.84
1895	4.63	3.61	3.63	4.40	2.26	4.98	11.21	2.54	4.66	0.58	3.12	1.18	46.80
1896	2.53	1.66	2.51	0.49	1.24	9.41	4.25	6.16	2.19	3.03	4.55	2.17	40.19
1897	1.89	7.10	1.60	5.18	1.35	5.01	3.67	6.27	16.23	6.00	1.56	4.83	60.69
1898	0.43	2.10	2.04	2.45	1.81	2.13	12.03	5.44	3.46	6.74	2.34	4.74	45.71
1899	3.98	3.38	1.35	3.21	1.86	4.52	6.12	3.90	5.10	2.73	0.07	2.35	38.57
1900	1.71	3.17	7.95	7.34	2.90	8.45	3.83	2.07	4.33	7.14	1.06	3.90	53.85
1901	2.64	6.76	6.57	1.08	5.31	9.64	4.26	6.12	7.38	1.37	0.36	2.73	54.22
1902	0.08	3.64	4.20	2.02	1.82	3.65	6.69	4.74	12.78	5.90	4.18	5.82	55.52
1903	4.44	5.23	2.55	1.54	14.80	3.22	2.54	6.60	2.80	2.83	3.82	1.66	52.03
1904	6.77	2.70	1.35	0.81	2.90	4.92	5.25	2.74	6.09	11.70	2.26	1.68	49.17
1905	1.80	4.65	6.47	2.02	6.68	2.72	5.14	10.97	6.18	2.89	0.60	5.65	55.77
1906	3.46	3.06	1.03	0.30	14.31	4.58	8.96	5.38	2.29	2.39	0.01	1.09	46.86
1907	0.14	0.55	0.76	5.27	5.40	2.71	5.55	6.53	10.44	1.37	1.96	4.39	45.07
1908	2.24	2.98	1.16	2.93	3.07	4.35	9.68	2.90	21.79	2.97	0.47	0.90	55.44
Means	2.82	3.25	3.39	2.70	3.93	5.64	6.37	6.60	8.16	4.60	2.21	2.86	52.53

Prior to October, 1871, the record was made by cooperative observers.

NEW SMYRNA, VOLUSIA COUNTY, FLA.

Elevation, 9 feet.

1871	......	......	......	......	......	......	......	......	......	3.86	2.18	3.98	......
1872	2.50	2.75	2.81	2.98	2.34	7.07	2.81	7.33	3.33	5.00	2.85	1.52	43.29
1873	4.28	0.72	3.26	3.98	6.19	8.91	1.79	4.30	3.95	9.83	3.59	3.42	54.22
1874	1.22	1.98	2.56	1.12	5.40	5.77	6.86	3.90	3.25	2.55	8.37	0.74	43.72
1875	3.96	2.48	1.72	1.67	6.76	1.91	0.18	3.48	3.03	2.89	1.91	1.52	31.51
1876	0.47	0.72	2.13	2.71	3.51	3.85	1.78	1.66	9.71	15.87	1.67	5.35	49.43
1877	6.52	2.79	2.54	4.80	5.18	5.91	3.68	10.77	2.76	3.76	6.82	5.30	60.83
1878	7.65	7.64	4.11	4.91	3.15	5.00	3.31	3.72	19.45	2.90	1.29	1.96	65.09
1879	1.52	4.09	5.34	2.48	5.15	3.02	5.68	6.38	12.77	9.96	3.50	2.32	62.21
1880	3.68	3.43	2.50	2.28	2.14	5.18	4.89	10.15	6.34	6.29	2.27	3.16	52.67
1881	4.94	1.39	......	......	......	......	......	......	......	......	......	......	......
1882–1891	......	......	......	......	......	......	......	......	......	......	......	......	......
1892	......	......	......	......	......	......	......	......	......	......	......	2.30	......
1893	1.00	2.17	6.11	0.33	1.65	7.11	4.70	......	8.90	10.02	3.90	2.30	......
1894	2.27	0.60	1.08	2.49	0.44	7.06	7.03	......	15.07	4.44	4.09	0.09	......
1895	1.44	2.27	2.38	4.45	4.97	5.21	5.36	4.60	......	3.63	2.79	1.39	......
1896	8.01	3.34	1.20	T.	0.97	......	......	4.57	2.30	4.14	4.97	2.73	......
1897	2.19	4.24	0.32	1.30	3.84	3.81	9.94	2.17	17.03	4.20	5.17	2.19	56.40
1898	0.77	1.52	1.70	1.19	1.17	2.55	3.94	11.19	1.19	8.39	1.59	3.67	38.87
1899	4.33	9.10	3.01	3.13	1.00	2.92	8.60	7.02	......	14.86	T.	3.50	......
1900	2.90	2.74	7.68	2.00	5.87	9.89	3.95	2.10	5.09	4.72	0.40	2.16	49.50
1901	......	2.60	1.65	0.80	1.50	8.91	3.20	6.35	17.55	2.40	2.18	0.91	......
1902	1.10	4.75	1.89	1.80	0.85	5.10	6.40	2.39	10.47	15.20	0.65	......	......
1903	4.10	5.72	5.78	0.25	6.19	7.64	2.29	8.75	5.17	1.71	2.84	1.01	51.45
1904	5.95	2.15	0.84	1.10	1.89	5.45	3.48	6.70	4.61	8.34	2.44	0.70	43.65
1905	0.48	......	6.42	......	1.50	5.31	7.04	5.52	12.15	1.50	2.23	7.41	......
1906	6.37	4.02	3.25	2.23	9.00	5.73	7.91	8.73	1.41	2.96	......	0.40	......
1907	0.00	1.70	0.00	2.15	3.69	2.97	8.67	2.27	4.27	1.47	0.65	4.95	32.79
1908	2.42	1.46	0.32	3.31	3.09	5.99	7.62	6.10	21.49	8.10	1.60	2.30	63.80
Means	3.20	3.05	2.82	2.23	3.50	5.51	5.05	5.65	8.32	6.12	2.80	2.59	50.84

The values from October, 1871, to February, 1881, are for Daytona, 14 miles north of New Smyrna.

ST. AUGUSTINE, ST. JOHNS COUNTY, FLA.

Elevation, 10 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1844*	1.94	1.00	4.71	1.26	2.97	2.18	2.37	2.68	7.13	0.49	0.73	1.55	29.01
1845	1.98	0.50	2.05	0.60	2.63	0.59	4.11	......	4.81	6.06	0.43	3.08	......
1846	4.13	4.32	1.67	1.70	1.77	6.28	......	......	......	......	......	......	......
1847–1850	......	......	......	......	......	......	......	......	......	......	......	......	......
1851	......	1.71	0.93	2.68	0.64	8.01	3.23	3.38	5.60	0.71	2.72	1.60	......
1852	0.32	0.59	......	......	......	......	......	......	......	......	......	......	......
1853–1854	......	......	......	......	......	......	......	......	......	......	......	......	......
1855	......	......	......	......	......	......	......	......	......	......	......	1.80	......
1856	......	......	......	......	4.80	1.25	2.60	3.70	0.00	6.98	2.40	1.40	......
1857	0.58	0.52	5.12	2.35	2.83	5.78	6.62	6.65	1.25	3.00	1.60	4.55	40.85
1858	1.45	4.47	3.95	2.03	1.52	3.60	11.43	8.20	7.46	1.58	......	2.15	......
1859	1.55	3.10	8.85	0.60	2.45	6.55	4.74	8.40	4.11	4.00	2.18	1.00	47.53
1860–1863	......	......	......	......	......	......	......	......	......	......	......	......	......
1864	......	......	......	......	......	......	......	......	......	......	......	2.15	......
1865	3.00	0.87	4.99	0.34	......	......	......	......	......	......	......	......	......
1866	......	2.04	3.35	1.65	1.45	......	......	......	......	......	......	......	......
1867–1869	......	......	......	......	......	......	......	......	......	......	......	......	......
1870	......	......	......	......	......	3.10	2.50	0.40	7.00	4.40	......	......	......
1871	......	......	......	......	......	......	......	21.50	23.90	1.00	......	......	......
1872–1875	......	......	......	......	......	......	......	......	......	......	......	......	......
1876	......	......	......	......	......	3.10	2.50	2.40	3.85	8.26	1.11	6.84	......
1877	5.29	1.54	1.76	2.84	9.95	7.44	2.76	7.05	5.75	3.25	2.81	2.54	52.98
1878	2.70	3.65	1.24	7.26	1.54	7.03	4.11	5.01	11.96	2.70	1.95	2.18	51.33
1879	0.76	3.16	1.60	2.00	7.36	5.68	4.90	11.16	13.46	4.77	1.24	1.32	57.41
1880	3.22	6.91	1.30	2.08	4.68	5.95	11.09	8.20	2.57	14.29	5.51	1.54	67.34
1881	7.63	0.90	2.48	2.28	5.14	4.52	6.38	5.55	1.60	1.66	3.26	3.80	45.20
1882	2.60	0.02	0.45	7.27	1.86	3.35	4.96	6.92	7.98	12.71	3.99	4.72	56.83
1883	3.23	0.36	3.53	6.63	2.18	6.73	5.81	1.84	3.51	2.59	0.23	0.26	36.90
1884	1.67	3.42	1.92	2.14	1.73	7.43	3.54	10.02	1.71	1.05	3.87	1.87	40.37
1885	4.86	4.35	3.37	1.11	5.62	7.26	2.78	8.67	12.24	3.32	0.52	4.36	58.46
1886	4.30	3.32	7.61	3.79	1.83	4.67	6.87	6.70	3.63	10.30	0.35	3.93	57.30
1887	2.65	0.20	3.65	5.90	3.10	3.25	2.20	7.25	7.80	5.80	0.40	3.40	45.60
1888	0.10	9.20	1.35	1.15	4.65	2.10	3.40	4.10	4.80	4.66	7.00	6.30	48.81
1889	8.25	4.15	2.21	2.19	0.16	9.30	4.26	4.91	4.31	0.64	0.72	0.12	41.22
1890	0.32	1.00	3.11	0.80	10.71	6.55	12.14	4.32	6.80	4.02	1.90	0.60	52.27
1891	1.20	0.90	3.00	3.37	5.37	4.85	4.60	3.65	10.68	4.63	1.69	5.25	49.19
1892	4.25	0.85	1.00	0.80	1.45	3.27	1.13	7.36	14.50	3.40	0.15	1.77	39.93
1893	0.43	7.98	8.22	3.50	4.63	2.32	5.81	7.67	2.94	8.01	3.97	2.95	58.43
1894	3.48	1.61	1.28	2.16	3.80	5.69	10.45	3.18	8.13	3.70	7.10	0.20	50.78
1895	3.00	3.06	0.85	3.95	3.45	3.35	4.03	4.65	3.20	0.76	5.53	0.50	36.33
1896	4.40	1.63	3.10	0.06	2.05	6.38	4.97	2.35	3.00	7.05	3.42	2.28	40.69
1897	1.57	6.16	1.24	6.65	1.43	5.45	3.05	5.18	12.97	7.50	1.40	2.50	55.10
1898	0.55	0.68	0.90	4.20	3.55	1.10	9.00	6.10	3.16	3.85	1.60	3.82	38.51
1899	2.70	7.45	2.15	5.30	0.25	4.80	11.80	2.65	4.66	7.95	0.20	2.23	52.14
1900	2.97	3.65	3.90	8.15	2.55	8.33	5.68	0.95	4.10	9.84	2.59	3.83	56.55
1901	1.58	5.02	6.52	0.94	3.34	8.27	7.33	4.01	9.38	2.50	0.24	2.27	51.40
1902	0.00	2.89	3.82	0.26	0.49	2.95	4.49	3.89	9.98	8.45	3.30	5.08	45.60
1903	4.47	4.47	3.23	0.29	10.58	3.40	3.90	3.48	8.75	2.95	3.53	1.48	50.53
1904	7.94	4.86	1.87	1.40	1.57	5.90	3.14	4.36	5.80	12.68	3.53	1.24	54.29
1905	0.56	5.02	6.04	1.33	3.97	1.42	3.08	13.00	7.79	6.01	0.45	3.33	52.00
1906	2.91	3.20	2.13	2.02	10.20	4.98	9.33	2.01	1.52	6.33	0.00	0.86	45.49
1907	0.14	0.67	0.96	3.52	4.07	3.83	4.98	5.94	6.21	2.19	2.18	3.92	38.61
1908	3.40	2.48	0.70	2.69	1.83	7.71	10.21	8.56	16.22	2.55	0.53	1.75	58.64
Means	2.72	3.00	2.94	2.75	3.58	4.96	5.50	5.82	6.81	5.08	2.25	2.64	48.05

*The record for 1844 believed to be incorrect; not used in means,

SWITZERLAND, ST. JOHNS COUNTY, FLA.

Elevation, 10 feet.

1892	3.44	0.30	0.90	0.30	1.71	7.64	5.72	9.09	15.83	6.11	0.15	1.60	52.79
1893	0.84	7.87	7.65	2.18	2.94	5.11	7.88	8.48	6.32	6.74	1.73	4.18	61.92
1894	......	1.88	2.77	1.00	0.26	4.76	11.46	9.37	14.68	3.40	6.75	1.11	......
1895	5.43	2.88	2.49	5.22	3.12	6.03	9.45	5.70	5.75	0.86	3.58	1.28	51.79
1896	*2.67	*2.22	*2.33	*0.43	*4.08	*5.72	*8.52	6.08	3.39	5.80	*7.17	*1.49	49.90
1897	*1.73	6.32	*2.29	*3.74	*1.55	*3.33	9.07	*3.59	12.70*	6.07	1.73	5.27	57.39
1898	0.48	2.01	1.88	1.87	1.67	2.81	9.99	11.32	3.50	5.04	2.30	4.00	46.87
1899	2.77	4.53	1.91	6.22	1.25	4.49	12.86	4.37	4.01	2.27	0.14	1.23	46.05
1900	2.77	4.21	6.55	9.25	2.15	9.04	5.00	2.18	6.12	7.45	1.83	5.12	61.67
1901	2.28	7.36	9.64	4.48	5.17	8.07	4.09	6.57	13.08	2.12	0.73	3.12	66.71
1902	0.12	2.46	3.45	1.76	1.32	6.33	3.33	3.79	14.73	5.37	3.86	7.63	54.15
1903	4.87	4.50	4.06	1.22	9.48	4.51	7.45	6.22	4.10	0.41	1.49	1.54	49.85
1904	8.36	3.96	2.71	1.46	2.39	4.76	3.35	5.86	6.92	8.93	2.67	1.88	53.25
1905	1.13	4.47	5.90	2.44	7.04	2.02	7.04	14.59	5.94	3.66	0.50	5.00	59.73
1906	3.01	2.82	1.18	0.86	11.42	6.82	11.20	5.04	3.29	4.62	0.02	0.90	51.18
1907	0.41	0.23	0.75	3.61	3.60	3.97	5.77	2.78	7.86	1.57	2.33	4.40	37.28
1908	3.77	1.80	1.03	3.32	3.58	3.16	10.11	3.17	15.65	2.03	1.76	0.44	49.82
Means	2.76	3.52	3.38	2.90	3.69	5.21	7.78	6.36	8.46	4.26	2.28	2.95	53.55

The values for the years 1892 to 1895, incl. are for Green Cove Springs, about 6 miles southwest of Switzerland.

*Values at Orange Park, 6 miles northwest of Switzerland.

NORTHWEST COAST GROUP.

APALACHICOLA, FRANKLIN COUNTY, FLA.

Elevation, 24 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1903...	......	......	......	......	......	......	......	......	......	9.07	4.34	2.13	......
1904...	5.02	1.84	1.31	2.51	2.10	3.84	1.62	3.65	1.87	0.00	3.06	3.87	30.69
1905...	3.27	3.37	4.28	1.65	6.70	0.60	11.23	10.43	6.56	1.65	0.76	9.18	59.68
1906...	5.18	2.15	3.92	0.00	3.44	2.55	8.65	10.36	17.95	3.07	1.06	3.15	61.48
1907...	1.86	1.30	0.55	6.92	8.62	7.20	10.50	12.20	12.87	0.39	3.48	11.91	77.80
1908...	5.11	2.91	0.26	......	3.65	2.25	1.64	9.83	11.06	2.59	2.81	1.62	......
Means	4.09	2.31	2.06	2.77	4.90	3.29	6.73	9.29	10.06	2.80	2.58	5.31	56.19

CARRABELLE, FRANKLIN COUNTY, FLA.

Elevation, 10 feet.

1896...	......	......	......	0.40	1.90	9.00	4.28	T.	3.81	4.40	2.20	......	......
1897...	......	......	......	......	......	3.60	7.10	5.90	10.60	1.10	T.	6.50	......
1898...	1.90	4.30	1.10	1.20	1.10	T.	3.10	19.90	4.70	......	......	......	......
1899...	1.00	......	......	0.45	1.00	1.80	6.00	......	1.80	2.50	1.72	......	......
1900...	3.73	......	4.24	5.27	0.90	8.88	6.30	5.00	0.80	9.89	0.32	8.27	......
1901...	2.92	9.16	11.23	5.51	1.05	10.12	8.18	8.49	3.96	0.75	1.13	2.11	64.61
1902...	0.78	4.65	6.34	0.85	2.10	7.06	7.08	3.79	17.26	3.77	7.82	6.95	68.45
1903...	5.61	6.07	......	0.00	4.65	8.27	5.18	8.17	11.27	4.00	0.70	2.02	......
1904...	3.32	2.84	0.80	1.90	1.99	3.13	4.36	9.39	*1.87	*0.00	2.80	*3.87	36.27
1905...	3.03	5.26	5.04	1.12	4.50	1.98	4.24	11.13	3.58	3.64	1.20	9.56	54.28
1906...	5.71	*2.15	4.86	*0.00	*3.44	*2.55	*8.65	10.36*	17.95*	*3.07	*1.06	*3.15	62.95
1907...	*1.86	0.30	0.75	5.95	5.30	3.40	5.70	6.70	13.25	1.50	2.66	9.45	56.82
1908...	*5.11	*2.91	*0.26	2.60	2.84	4.74	7.08	7.71	6.18	0.60	*2.81	2.50	45.34
Means	3.18	4.18	3.85	2.10	2.56	4.96	5.94	8.04	7.46	2.94	2.04	5.44	52.69

* Values for Apalachicola, 22 miles southwest of Carrabelle.

PENSACOLA, ESCAMBIA COUNTY, FLA.

Elevation, 12 feet.

1879...	......	......	......	......	......	......	......	......	......	......	1.53	2.17	......
1880...	0.95	3.19	5.99	3.78	5.85	2.75	7.39	4.68	11.54	7.08	5.86	2.24	61.30
1881...	7.49	8.99	3.80	4.53	1.40	4.27	5.59	18.52	8.47	4.93	7.27	10.76	86.02
1882...	3.31	4.67	3.07	4.27	3.51	3.95	7.02	18.39	8.49	5.05	4.16	6.12	72.01
1883...	9.97	2.12	3.26	6.74	7.47	9.36	3.29	8.75	0.32	1.91	3.06	5.30	61.55
1884...	3.69	3.43	5.75	5.67	6.64	7.84	8.79	2.07	4.83	2.43	5.16	5.60	61.90
1885...	8.12	3.20	4.54	5.49	1.42	3.98	2.41	11.74	5.50	2.38	11.07	4.72	64.57
1886...	5.30	2.18	13.37	6.83	0.75	7.67	8.85	8.82	1.29	0.20	2.76	4.13	62.15
1887...	3.66	3.42	2.25	0.95	1.84	14.11	4.96	3.42	4.64	5.52	0.65	6.89	52.31
1888...	4.14	6.86	8.90	1.60	4.81	7.42	2.20	9.58	4.78	2.49	4.71	4.42	61.91
1889...	6.46	3.03	5.99	0.94	2.06	4.04	10.78	6.95	4.70	1.79	5.82	0.18	52.74
1890...	0.65	2.03	2.89	1.34	3.14	2.21	13.68	3.89	6.98	7.76	0.69	1.76	47.02
1891...	4.18	3.39	6.94	1.65	2.25	2.57	5.59	0.72	1.50	0.04	3.88	2.87	35.58
1892...	8.72	0.53	2.47	0.42	0.19	3.55	11.48	8.74	1.72	1.28	2.94	1.98	44.02
1893...	2.26	3.63	3.88	2.54	3.07	4.16	4.12	6.34	6.48	4.67	2.53	1.25	44.93
1894...	2.92	9.22	7.52	1.73	2.57	0.87	6.17	13.67	4.11	3.06	0.70	1.45	53.99
1895...	3.12	2.48	6.69	7.16	6.28	7.08	5.33	7.48	1.41	2.67	1.27	4.33	55.30
1896...	2.98	2.98	6.97	1.14	2.81	12.46	11.76	5.87	1.63	6.86	4.59	2.09	62.14
1897...	0.74	10.26	5.31	3.08	1.26	2.03	2.19	5.67	2.35	1.33	3.61	2.86	40.69
1898...	1.75	5.97	3.01	1.68	0.04	2.88	4.84	18.58	17.93	4.74	6.73	4.05	72.20
1899...	2.72	3.86	6.42	0.74	2.00	5.04	7.59	10.49	0.91	2.05	4.99	6.05	52.86
1900...	2.47	8.19	6.65	4.19	1.01	11.79	10.71	2.54	3.18	10.90	1.45	7.74	70.82
1901...	3.18	3.44	6.77	7.45	5.50	0.27	6.74	6.53	3.76	3.21	1.22	4.05	52.12
1902...	0.63	5.74	8.06	1.55	1.75	1.41	2.01	3.16	8.04	2.69	2.91	3.59	41.54
1903...	6.37	8.31	6.36	0.10	2.24	3.28	8.07	2.73	0.47	6.00	11.46	3.49	58.88
1904...	3.47	2.20	1.45	1.08	1.03	2.58	9.75	10.54	0.29	0.19	3.82	6.72	43.12
1905...	6.39	4.86	3.15	3.38	5.27	0.93	5.02	9.71	9.23	5.60	1.70	7.41	62.65
1906...	2.98	2.90	6.66	0.64	1.74	2.41	4.47	1.61	16.48	3.83	0.63	2.70	47.05
1907...	4.05	3.86	1.04	8.97	5.33	0.94	9.20	3.90	14.51	0.83	3.39	11.06	67.08
1908...	5.86	3.96	3.85	2.32	2.42	4.38	6.82	3.66	4.83	0.93	0.67	2.31	42.01
Means	4.09	4.44	5.28	3.17	2.95	4.70	6.79	7.54	5.53	3.53	3.71	4.34	56.07

ST. ANDREW, WASHINGTON COUNTY, FLA.

Elevation, 14 feet.

1892...	5.81	1.40	2.34	0.66	0.51	9.68	17.40	......	......	......	1.41	3.75	......
1893...	2.51	2.37	7.29	2.71	3.55	7.36	6.44	......	......	......	......	......	......
1894–1897.	......	......	......	......	......	......	......	......	......	......	......	......	......
1898...	......	5.52	1.82	0.76	1.50	2.81	6.07	31.26	5.03	3.81	6.64	11.18	......
1899...	4.38	5.09	1.98	1.92	0.65	1.88	5.88	7.52	4.87	4.02	2.07	2.26	42.52
1900...	2.13	7.71	8.36	1.53	2.43	14.76	5.34	3.50	6.15	12.19	3.53	5.06	72.69
1901...	......	3.72	7.93	2.88	4.26	3.84	9.97	8.75	5.82	1.75	1.50	3.72	......
1902...	0.08	3.80	7.79	1.06	7.81	1.96	5.20	3.72	14.39	2.14	5.91	2.54	56.40
1903...	5.56	7.34	2.63	0.34	5.52	5.13	3.51	7.95	5.05	5.79	5.71	3.34	57.87
1904...	3.74	2.83	2.96	3.13	1.32	4.30	7.95	9.03	1.93	0.27	3.89	6.17	47.52
1905...	4.89	6.66	3.62	1.66	10.81	2.29	5.75	8.42	2.58	7.07	1.77	8.38	63.90
1906...	6.82	3.42	4.44	0.45	2.52	3.82	9.08	6.09	......	4.19	0.61	1.36	......
1907...	2.85	2.54	1.25	6.35	5.42	3.02	8.87	3.31	11.91	1.19	5.93	10.97	63.61
1908...	4.08	4.34	1.21	3.15	4.27	4.74	12.27	6.92	4.74	0.89	0.05	2.32	48.98
Means	3.89	4.36	4.12	2.05	3.89	5.05	7.98	8.77	6.25	3.94	3.25	5.14	58.69

NEWPORT, WAKULLA COUNTY, FLA.

Elevation, 10 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1870...	......	......	......	......	1.18	6.88	2.75	3.75	7.00	2.45	3.60	2.16	......
1871...	1.85	6.35	11.85	......	......	......	......	......	......	......	......	2.00	......
1872...	2.50	5.75	11.60	7.35	3.10	4.89	11.18	23.25	5.35	2.51	2.60	......	......
1873...	5.54	1.07	4.85	5.65	6.45	13.40	6.10	12.28	7.25	0.60	7.20	1.65	72.04
1874...	0.90	7.90	2.50	2.30	1.41	10.63	......	3.80	......	......	1.73	1.80	......
1875...	9.75	3.32	7.31	5.98	3.25	5.73	2.33	9.26	7.69	2.55	6.80	3.04	67.01
1876...	2.14	1.41	8.63	5.11	1.58	11.56	7.17	4.13	1.61	14.59	1.13	8.51	67.57
1877...	1.43	2.21	7.11	6.50	2.93	7.06	8.72	7.90	4.78	10.61	5.78	7.79	72.82
1878...	2.95	3.07	8.65	7.65	2.41	7.24	3.49	7.29	1.94	3.48	6.89	7.11	62.17
1879...	0.52	3.18	2.40	9.73	1.05	8.60	9.82	18.09	9.82	12.94	4.01	4.02	84.78
1880–1882.	......	......	......	......	......	......	......	......	......	......	......	......	......
1883...	......	......	......	......	......	......	......	1.50	......	T.	0.99	1.14	......
1884...	4.77	4.25	5.92	4.17	......	......	......	......	......	......	3.40	10.99	......
1885...	8.21	7.13	4.48	......	......	......	......	......	......	......	......	......	......
1886–1897.	......	......	......	......	......	......	......	......	......	......	......	......	......
1898...	......	......	......	......	......	......	......	20.56	3.95	9.73	4.84	5.54	......
1899...	2.81	2.87	......	......	......	......	......	......	......	......	......	......	......
1900–1906.	......	......	......	......	......	......	......	......	......	......	......	......	......
1907...	......	......	......	......	......	......	......	......	......	......	......	12.09	......
1908...	2.51	1.45	T.	5.52	2.11	......	3.60	7.79	0.51	0.81	0.01	0.90	......
Means	3.53	3.84	6.28	6.00	2.55	8.44	6.13	9.97	4.99	5.48	3.77	4.95	65.93

Values from November, 1874 to October, 1879, are for St. Marks, 3 miles south of Newport; from August, 1898 to February, 1899, for Crawfordsville, 11 miles west of Newport.

CEDAR KEYS, LEVY COUNTY, FLA.

Elevation, 6 feet.

1840...	......	......	......	......	......	......	1.10	15.05	6.30	1.70	3.30	1.02	......
1841...	4.70	1.80	3.40	1.40	1.00	11.50	3.10	10.50	4.00	5.60	5.10	2.10	54.20
1842...	0.90	8.80	0.20	1.40	0.80	1.30	8.00	10.10	4.60	4.10	1.10	2.90	44.20
1843–1850.	......	......	......	......	......	......	......	......	......	......	......	......	......
1851...	......	......	......	......	1.63	5.12	4.88	3.00	......	4.56	5.37	1.62	......
1852...	1.00	0.88	2.75	1.19	0.13	9.00	15.37	9.94	8.06	1.75	2.25	3.25	55.57
1853...	4.13	1.81	2.56	......	1.50	3.26	11.44	3.63	15.44	4.60	0.94	......	......
1854...	5.38	2.13	0.62	5.25	0.22	4.67	3.86	6.37	3.43	3.44	3.31	0.94	39.62
1855...	1.14	1.44	2.94	0.37	0.62	3.25	7.50	5.13	1.94	5.19	2.44	2.56	34.52
1856...	3.62	4.13	2.37	1.06	0.63	2.25	12.10	3.37	0.88	0.06	2.88	1.06	34.41
1857...	1.75	0.06	3.25	......	......	4.31	6.81	......	......	......	......	1.81	......
1858...	2.12	4.25	7.20	2.40	......	1.80	6.55	10.35	10.50	2.80	2.01	......	......
1859...	5.25	......	6.15	0.82	......	4.00	10.60	13.13	2.60	2.15	1.14	1.10	......
1860...	8.00	2.65	0.85	......	......	......	......	......	......	......	......	......	......
1861–1878.	......	......	......	......	......	......	......	......	......	......	......	......	......
1879...	......	......	......	......	......	......	......	......	......	......	0.24	1.51	......
1880...	3.02	7.35	2.83	0.73	4.94	8.76	9.10	19.45	4.41	10.37	6.29	5.05	82.30
1881...	9.36	3.51	3.86	3.45	2.25	1.69	11.86	2.68	7.41	1.25	2.19	3.52	53.03
1882...	3.19	1.02	2.60	3.00	1.71	9.56	10.33	13.72	9.37	4.77	4.40	3.23	66.90
1883...	5.66	0.04	5.03	4.12	1.97	4.05	5.09	3.37	2.77	0.23	0.93	0.32	33.58
1884...	5.08	1.56	2.21	3.58	1.96	6.68	6.02	8.11	3.63	0.13	3.06	5.66	47.68
1885...	4.97	9.02	3.07	0.15	3.84	10.98	9.17	10.09	5.76	4.38	1.17	3.84	66.08
1886...	1.86	1.17	12.14	1.61	0.71	7.81	11.72	7.08	1.38	2.53	0.58	1.95	50.54
1887...	1.31	0.19	1.87	6.63	4.43	8.65	......	5.45	1.11	0.43	1.08	3.64	......
1888...	0.77	3.78	0.94	0.09	1.70	4.86	4.11	2.26	12.89	2.43	5.43	3.87	43.13
1889...	8.04	3.35	2.07	1.47	T.	5.29	10.03	4.98	4.97	1.61	1.56	0.00	43.37
1890...	0.01	0.67	1.14	......	......	......	......	......	......	......	......	......	......
1891–1899.	......	......	......	......	......	......	......	......	......	......	......	......	......
1900...	......	......	......	......	......	12.28	15.36	3.15	1.73	2.29	0.82	6.45	......
1901...	2.40	5.99	8.80	2.99	2.59	17.51	8.18	15.97	4.27	1.73	1.08	2.45	73.96
1902...	T.	3.51	6.16	1.45	2.63	1.77	7.41	4.90	9.00	4.08	3.88	14.93	59.72
1903...	4.57	5.24	4.86	0.00	2.21	3.59	12.03	14.14	4.68	0.63	0.73	2.23	54.91
1904...	7.30	3.73	0.59	2.45	0.47	5.26	14.84	17.46	1.32	2.43	2.59	1.58	60.02
1905...	0.89	2.63	3.72	1.30	3.81	5.87	8.38	24.76	4.97	2.57	1.12	6.93	66.95
1906...	4.34	2.19	3.39	......	......	......	......	......	......	......	......	......	......
1907...	......	......	......	......	......	......	......	......	......	......	1.94	4.50	......
1908...	4.70	1.98	0.23	0.66	1.72	7.81	7.03	15.80	3.52	0.47	0.99	0.34	45.25
Means	3.64	3.03	3.37	1.98	1.80	6.17	8.64	9.43	5.22	2.80	2.33	3.12	51.53

The values from June, 1900, to March, 1906, incl., are for Sumner, 7 miles northeast of Cedar Keys.

STEPHENSVILLE, TAYLOR COUNTY, FLA.

Elevation, 10 feet.

1898...	......	......	1.90	0.72	0.40	3.11	21.90	16.46	7.59	4.05	2.70	2.50	......
1899...	......	3.20	0.62	2.05	0.30	2.93	9.69	10.22	2.25	0.97	0.15	2.03	......
1900...	4.03	3.84	11.43	3.76	0.55	8.01	12.38	4.20	2.82	2.48	1.24	5.19	59.93
1901...	2.69	11.32	7.70	2.00	3.32	9.19	9.69	12.64	3.75	0.98	0.72	......	......
1902...	......	......	......	......	2.35	5.86	8.84	5.97	9.90	3.00	2.40	5.52	......
1903...	3.36	5.29	3.93	T.	2.53	2.31	7.90	......	10.50	0.20	T.	1.60	......
1904...	5.98	4.02	0.44	1.26	1.00	1.93	6.80	9.59	5.28	1.50	1.50	4.17	43.47
1905...	2.31	5.62	2.21	0.82	4.84	4.75	12.28	19.47	7.81	0.15	1.55	8.86	70.67
1906...	2.51	1.87	3.24	1.00	3.35	5.57	14.14	10.58	2.11	1.56	1.10	1.12	48.15
1907...	0.81	1.73	1.05	7.03	6.31	6.25	9.51	7.58	10.68	1.80	3.22	9.17	65.24
1908...	3.19	2.77	0.00	2.47	3.36	3.49	9.24	11.07	3.13	1.00	0.89	1.33	41.94
Means	3.11	4.41	3.30	2.11	2.57	4.85	11.12	10.78	5.98	1.61	1.41	4.15	55.40

Data for 1907 and 1908 for Fenholloway, 25 to 30 miles north-northwest, and in same county.

NORTHWEST INTERIOR GROUP.

DEFUNIAK SPRINGS, WALTON COUNRY, FLA.

Elevation, 193 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1896...	......	......	......	......	......	......	......	......	......	4.05	9.80	2.25	......
1897...	2.10	12.25	7.82	4.50	1.25	7.00	3.96	12.41	1.94	2.25	2.02	3.15	60.65
1898...	2.00	5.47	2.03	1.65	0.31	3.67	9.83	22.98	6.70	3.20	7.53	4.52	69.89
1899...	7.82	6.46	5.89	1.30	0.50	7.73	6.44	11.80	0.14	6.15	2.68	4.00	60.91
1900...	2.31	12.55	8.57	3.90	4.63	12.04	10.44	0.87	5.24	4.82	2.64	7.21	75.22
1901...	3.87	4.86	8.71	5.16	8.91	2.35	8.71	13.22	7.38	2.11	0.73	4.18	70.19
1902...	0.96	10.57	13.62	0.66	2.46	2.71	4.72	7.35	9.33	4.34	4.98	2.98	64.68
1903...	4.73	6.41	7.04	0.24	8.41	9.55	7.05	9.96	2.58	2.08	4.56	4.63	67.24
1904...	5.54	2.95	3.34	2.25	4.29	4.47	3.21	10.78	1.44	1.06	3.54	5.03	47.90
1905...	7.28	10.32	2.90	2.44	10.41	4.04	5.82	6.35	3.09	6.80	2.33	8.79	70.57
1906...	5.90	3.34	6.25	0.45	2.95	5.34	7.43	4.30	17.41	1.30	2.73	6.66	64.06
1907...	1.79	3.24	2.92	5.21	3.31	5.19	9.55	9.52	13.49	1.57	5.94	11.58	73.31
1908...	5.99	6.11	......	......	......	......	......	......	5.66	1.88	0.53	1.29	......
Means	4.19	7.04	6.28	2.52	4.31	5.83	7.01	9.96	6.20	3.20	3.85	5.10	65.49

MADISON, MADISON COUNTY, FLA.

Elevation, 200 feet.

1889...	......	......	......	......	......	......	......	......	......	1.21	2.42	0.00	......
1890...	0.59	3.00	3.39	0.12	12.72	7.23	10.72	3.16	12.34	4.51	1.06	......	......
1891...	......	......	......	......	......	......	......	......	......	......	......	......	......
1892...	5.57	......	......	......	......	......	......	......	......	......	0.69	4.86	......
1893...	1.80	3.61	9.30	5.44	3.44	3.49	5.24	6.02	4.19	2.80	2.20	5.86	53.39
1894...	1.71	9.00	4.04	3.98	1.33	6.54	15.29	5.80	4.21	7.36	3.44	3.10	65.90
1895...	9.26	3.38	7.66	......	3.74	3.42	13.56	8.48	......	......	......	......	......
1896– 1902.	......	......	......	......	......	......	......	......	......	......	......	......	......
1903...	......	......	......	......	......	4.72	3.79	7.79	13.79	4.95	1.50	2.67	......
1904...	5.50	3.83	2.20	1.75	0.90	6.29	3.17	8.11	0.79	0.35	1.81	1.82	37.52
1905...	1.39	7.17	2.99	1.69	6.69	4.36	8.05	6.52	3.88	1.76	1.59	9.26	55.35
1806...	4.60	2.88	2.18	0.00	7.06	5.37	9.30	10.54	4.68	2.47	0.81	1.22	51.11
1907...	1.22	1.29	0.07	4.84	2.07	5.30	4.41	8.00	7.55	0.99	3.24	10.87	49.85
1908...	3.47	3.74	0.14	5.32	7.30	1.52	3.96	5.25	6.66	0.91	0.48	0.57	39.32
Means	3.61	4.21	3.44	2.89	5.03	4.82	7.75	6.97	6.45	2.73	1.75	4.03	53.68

Values from November, 1892 to August, 1895, are for Moseley Hall, 13 miles southwest of Madison.

MARIANNA, JACKSON COUNTY, FLA.

Elevation, 80 feet.

1900...	......	......	......	......	1.29	6.52	8.31	1.11	2.79	8.09	0.90	4.21	......
1901...	......	3.57	5.51	2.93	6.61	2.84	4.47	8.43	4.67	1.30	1.28	2.93	......
1902...	0.70	6.15	12.38	1.27	4.99	3.63	5.14	2.68	12.80	2.50	3.79	1.72	57.75
1903...	3.93	5.34	4.63	1.24	7.82	5.96	4.69	4.56	5.44	0.85	7.26	......	......
1904...	......	......	2.91	2.26	1.84	3.67	6.64	10.18	2.18	T.	3.31	3.51	......
1905...	5.11	9.06	5.62	......	4.95	4.95	4.45	7.94	4.45	4.50	1.20	11.20	......
1906...	6.90	4.65	......	0.55	6.60	6.45	7.42	6.63	12.23	3.85	1.90	......	......
1907...	......	3.30	1.90	4.68	3.17	2.18	7.95	4.41	11.94	1.07	......	......	......
1908...	......	......	......	......	3.25	5.32	4.42	3.45	3.27	0.16	0.00	0.43	......
Means	4.16	5.34	5.49	2.16	4.50	4.61	5.94	5.49	6.64	2.48	2.46	4.00	53.27

MOLINO, ESCAMBIA COUNTY, FLA.

Elevation, 49 feet.

Years.	Jan.	Feb.	Mar.	Apr.	May.	June	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
1902...	......	......	......	1.79	3.60	0.00	5.11	9.13	6.16	2.49	3.55	5.54	......
1903...	5.45	12.69	7.66	T.	4.11	5.50	7.31	5.94	0.00	5.53	9.28	3.75	67.22
1904...	2.97	4.20	3.80	1.69	2.63	6.85	9.09	10.71	2.44	0.65	2.64	6.17	53.84
1905...	5.75	9.23	4.69	3.97	10.98	7.58	5.94	7.23	5.77	6.37	2.66	7.10	77.27
1906...	4.19	5.05	8.29	0.73	2.90	4.78	7.99	4.66	18.30	4.12	0.65	5.28	66.44
1907...	2.87	4.10	2.73	10.11	......	4.66	12.11	10.14	15.00	1.00	6.92	11.36	......
1908...	7.40	4.91	5.01	6.04	3.99	7.67	6.53	5.01	7.91	T.	1.99	2.08	58.54
Means	4.77	6.70	5.36	3.48	4.70	5.22	7.73	7.55	7.94	2.88	3.96	5.90	66.19

MONTICELLO, JEFFERSON COUNTY, FLA.

Elevation, 207 feet.

1901...	......	......	......	......	......	......	......	......	......	T.	1.00	1.80	......
1902...	1.52	4.70	4.20	1.10	2.90	10.97	2.08	4.25	14.88	5.09	5.34	7.33	64.36
1903...	3.61	5.70	5.09	0.06	2.37	9.25	6.65	......	......	......	......	......	......
1904...	6.55	3.10	1.77	1.90	4.04	4.04	6.85	9.03	2.19	0.34	2.20	3.46	45.47
1905...	3.23	7.13	5.12	0.90	6.13	3.76	6.25	7.49	3.81	1.87	1.12	12.13	58.94
1906...	4.74	2.99	2.65	T.	5.43	3.99	8.90	11.35	5.91	3.28	0.82	2.23	52.29
1907...	1.72	1.48	0.53	10.40	5.88	5.52	7.64	6.65	13.14	0.16	2.68	15.64	71.44
1908...	4.31	3.82	0.55	6.90	4.54	3.91	11.51	5.25	5.21	0.54	0.51	1.20	48.25
Means	3.67	4.13	2.84	3.04	4.47	5.92	7.13	7.34	7.52	1.61	1.95	6.26	55.88

The values from October, 1901 to July, 1903, are for Waukeenah, 10 miles south of Monticello.

TALLAHASSEE, LEON COUNTY, FLA.

Elevation, 192 feet.

1885...	......	......	......	3.19	4.10	......	6.65	9.47	5.15	1.35	2.65	1.60	......
1886...	4.45	1.60	9.79	2.15	2.15	7.75	14.30	7.75	4.65	2.66	2.20	4.85	64.30
1887...	6.20	1.15	4.35	5.10	2.80	5.00	12.45	3.75	4.25	2.70	1.45	8.35	57.55
1888...	1.15	8.10	5.45	0.30	10.40	5.28	3.45	7.41	7.90	8.80	6.10	......	......
1889...	8.85	3.85	2.75	3.20	2.80	5.83	6.18	4.75	4.70	0.75	3.38	0.00	47.04
1890...	0.78	3.75	4.66	0.85	12.36	5.15	9.20	4.00	5.82	5.45	0.65	2.90	55.57
1891...	2.20	2.43	6.12	2.25	0.90	10.47	5.35	7.28	0.95	1.00	2.90	3.00	44.85
1892...	6.35	2.58	1.40	0.85	1.62	8.76	7.68	6.43	3.00	1.00	0.75	6.89	47.31
1893...	3.25	2.95	6.87	5.70	4.28	3.95	5.35	8.95	6.94	2.88	2.53	6.71	60.36
1894...	1.29	11.19	4.45	3.55	2.08	1.28	12.60	8.29	6.80	7.43	0.90	3.02	62.88
1895...	6.80	3.22	6.83	3.35	3.68	3.95	8.27	3.09	4.31	1.96	2.21	2.34	50.01
1896...	5.41	3.66	6.66	1.32	2.60	10.17	10.51	3.77	2.00	3.60	8.60	5.70	64.00
1897...	1.42	10.45	8.84	9.29	0.43	2.64	6.13	7.29	3.98	2.57	1.02	5.27	59.33
1898...	1.13	3.06	2.16	0.87	1.55	4.49	10.00	15.43	2.63	10.03	3.52	5.75	60.62
1899...	3.54	4.92	3.37	2.01	0.54	6.50	3.21	11.46	2.45	3.85	0.52	2.59	44.96
1900...	2.39	6.67	6.64	4.05	2.06	16.47	10.31	3.89	4.84	5.48	1.52	4.63	68.95
1901...	3.46	5.05	7.76	2.72	5.07	5.61	8.25	13.40	5.84	0.03	1.09	1.96	60.24
1902...	1.05	6.70	11.06	0.84	2.86	9.94	5.83	4.98	7.55	3.49	6.11	5.39	65.80
1903...	3.28	5.35	5.21	0.11	5.59	10.01	7.09	2.98	9.96	2.92	5.14	3.25	60.89
1904...	6.60	2.75	1.55	1.65	1.05	1.33	3.95	8.43	2.97	T.	3.10	4.76	38.14
1905...	3.25	6.95	4.45	0.92	7.55	3.50	8.76	6.31	3.74	2.18	1.17	9.75	58.53
1906...	7.55	2.05	4.65	0.15	2.92	5.17	8.88	10.12	7.31	4.75	1.30	2.35	57.20
1907...	1.20	2.60	0.27	9.20	3.85	6.58	5.07	9.94	10.30	1.20	1.80	12.78	64.79
1908...	3.81	4.53	0.18	8.37	4.50	6.64	10.21	8.44	5.17	1.32	0.25	1.58	55.00
Means	3.71	4.59	5.02	3.00	3.66	6.37	7.90	7.40	5.13	3.22	2.54	4.58	57.12

Highest temperatures.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
NORTHEAST COAST GROUP.	*Yrs*													
Jacksonville	68	83	86	91	96	101	101	104	102	99	92	86	81	104
St. Augustine	17	83	85	94	93	96	96	99	101	94	96	86	85	101
Huntington	12	89	90	95	97	102	100	102	102	99	96	87	85	102
New Smyrna	16	87	87	91	98	97	100	98	100	97	98	87	89	100
NORTHERN INTERIOR GROUP.														
Macclenny	14	84	85	94	98	101	104	104	104	100	98	91	89	104
Lake City	16	84	85	94	95	100	103	101	103	98	93	86	85	103
Gainesville	12	89	87	96	95	99	102	102	99	99	95	90	85	102
Ocala	17	87	87	97	96	99	100	102	101	101	96	91	90	102
NORTHWEST COAST GROUP.														
Cedar Keys	12	77	79	82	88	92	94	94	96	94	89	83	79	96
Stephensville	8	85	84	90	98	95	98	103	98	98	98	91	85	103
Newport*	6	79	81	86	87	94	98	99	98	94	96	83	80	99
Carrabelle	12	75	85	90	89	97	98	98	97	96	98	84	77	98
NORTHWEST INTERIOR GROUP.														
Madison	9	76	83	95	94	98	99	100	100	99	95	87	89	100
Tallahassee	17	81	81	90	91	96	97	97	96	95	92	83	80	97
Monticello	7	80	83	91	92	99	98	104	100	98	96	84	82	104
Marianna	8	81	84	94	97	101	100	100	103	102	99	90	82	103

* And St. Marks, 3 miles distant, southwest.

Lowest temperatures.

NORTHEAST COAST GROUP.														
Jacksonville	68	15	8	26	34	46	54	66	64	49	32	25	14	8
St. Augustine	17	18	13	26	39	45	55	66	64	51	41	28	16	13
Huntington	12	19	13	29	35	47	59	62	61	52	34	27	20	13
New Smyrna	16	20	16	30	39	48	55	63	65	52	42	30	17	16
NORTHERN INTERIOR GROUP.														
Macclenny	14	15	8	24	31	40	52	60	57	47	37	20	17	8
Lake City	16	16	6	24	34	42	55	62	60	50	36	20	17	6
Gainesville	12	16	6	25	38	47	58	60	64	48	36	22	19	6
Ocala	17	17	12	27	36	48	56	64	61	53	37	22	17	12
NORTHWEST COAST GROUP.														
Cedar Keys	12	16	26	30	38	49	56	68	69	55	39	27	22	16
Stephensville	8	13	20	25	35	39	54	57	62	48	35	25	15	13
Newport*	6	18	3†	32	34	46	56	66	60	52	30	26	19	3
Carrabelle	12	18	7	27	38	40	58	61	66	52	38	30	17	7
NORTHWEST INTERIOR GROUP.														
Madison	9	16	12	26	38	44	56	66	60	56	38	25	13	12
Tallahassee	17	17	—2	25	38	44	52	57	61	50	35	27	12	—2
Monticello	7	16	18	30	38	42	57	65	61	55	39	27	16	16
Marianna	8	15	15	22	33	43	55	59	63	50	30	23	15	15

* And St. Marks, 3 miles distant, southwest.

† At Crawfordville, 10 miles distant.

The low temperatures occurred in February, 1899.

Mean temperatures.

NORTHEAST COAST GROUP.														
Jacksonville	33	53.9	56.9	61.9	67.6	74.2	79.0	80.9	80.1	77.3	69.6	61.3	55.2	68.2
St. Augustine	61	56.2	58.8	63.0	68.3	73.9	79.0	80.7	80.5	78.6	72.2	64.1	57.6	69.4
Huntington	12	56.4	58.0	66.4	68.9	76.1	80.1	81.8	81.7	79.2	72.0	64.2	57.4	70.2
New Smyrna	21	59.6	59.9	65.9	70.1	74.6	79.1	80.5	80.0	78.9	73.0	66.0	60.1	70.6
Mean		56.5	58.4	64.3	68.7	74.7	79.3	81.0	80.6	78.5	71.7	63.9	57.6	69.6
NORTHERN INTERIOR GROUP.														
Macclenny	14	54.6	55.6	64.2	67.6	75.2	79.7	81.9	82.0	78.8	70.6	62.5	54.6	68.9
Lake City	20	55.6	56.3	64.8	68.5	75.7	80.1	81.1	81.3	78.7	69.9	61.7	56.2	69.2
Gainesville	23	54.9	57.1	64.6	68.5	75.8	80.3	81.4	81.2	78.0	70.4	62.5	56.6	69.3
Ocala	22	57.4	59.6	65.3	69.4	75.5	79.7	81.4	81.2	78.7	72.0	64.2	58.0	70.2
Mean		55.6	57.1	64.7	68.5	75.6	80.0	81.4	81.4	78.6	70.7	62.7	56.4	69.4
NORTHWEST COAST GROUP.														
Cedar Keys	12	57.6	60.2	62.8	70.2	75.4	80.5	82.2	81.6	79.2	72.5	63.2	58.6	70.3
Stephensville	8	51.4	54.7	62.5	65.3	74.2	78.7	80.7	80.9	79.0	71.4	61.1	54.5	67.2
Newport*	9	52.7	56.2	60.9	67.2	73.9	79.5	81.2	80.7	76.7	66.9	58.0	53.8	67.3
Carrabelle	12	53.5	54.9	63.3	66.9	75.2	80.0	81.7	81.2	78.1	70.8	62.4	54.1	69.3
Mean		53.8	56.5	62.4	67.4	74.7	79.7	81.4	81.1	78.2	70.4	61.2	55.2	68.5
NORTHWEST INTERIOR GROUP.														
Madison	9	54.5	55.0	64.6	66.9	75.0	80.3	81.2	82.3	79.0	68.5	61.4	53.7	69.4
Tallahassee	24	52.1	54.7	61.3	67.0	74.5	79.0	80.4	79.7	76.8	67.9	59.5	53.0	67.2
Monticello	7	54.9	55.0	64.9	67.1	74.3	79.4	79.9	79.4	77.6	68.4	61.2	54.2	68.0
Marianna	8	50.6	52.6	63.5	64.8	74.1	79.0	81.0	80.9	77.8	67.6	58.1	52.1	66.8
Mean		53.0	54.3	63.6	66.4	74.5	79.4	80.6	80.6	77.8	68.1	60.0	53.2	67.8

* And St. Marks, 3 miles distant.

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
NORTHAEST COAST GROUP.	*Yrs*													
Jacksonville	37	9	9	8	7	10	13	15	15	14	10	8	8	126
St. Augustine	17	6	7	6	4	7	9	10	9	11	8	5	5	87
Huntington	12	6	6	6	5	8	12	15	16	14	9	5	6	108
New Smyrna	16	5	5	5	3	5	8	10	10	10	8	5	4	78
NORTHERN INTERIOR GROUP.														
Macclenny	14	6	7	6	6	7	10	13	13	11	7	5	6	95
Lake City	16	6	8	6	6	7	10	15	13	10	5	4	7	97
Gainesville	12	7	7	6	5	7	12	16	15	13	8	4	7	107
Ocala	17	6	6	5	4	7	13	15	15	12	5	4	6	98
NORTHWEST COAST GROUP.														
Cedar Keys	10	10	7	7	6	5	12	14	14	9	7	6	7	104
Stephensville	9	4	5	4	3	3	7	12	12	7	3	3	5	68
Carrabelle	12	4	5	4	3	3	5	9	8	6	2	3	5	57
Pensacola	31	11	11	10	6	7	10	14	14	9	6	7	10	115
NORTHWEST INTERIOR GROUP.														
Madison	9	7	8	5	6	6	9	12	12	10	3	4	7	89
Tallahassee	17	6	8	6	5	6	9	15	14	9	4	4	7	93
Monticello	7	6	7	6	5	6	9	12	13	12	4	4	8	92
Marianna	8	6	7	7	4	7	7	11	10	8	4	3	5	79

Average hourly wind movement, in miles.

Jacksonville	34	8	9	9	9	8	8	8	7	8	8	8	8	8
Pensacola	31	10	10	10	10	9	9	8	8	8	9	9	9	9

Mean relative humidity.

Cedar Keys*	10	82	78	75	75	73	76	77	78	78	77	78	83	78
Jacksonville 8 a. m.	21	85	83	82	77	79	80	82	84	85	84	85	86	83
Jacksonville 8 p. m.		76	74	72	69	73	77	77	80	82	79	78	78	76
Pensacola 8 a. m.	31	81	81	81	76	76	78	81	83	81	76	79	82	80

* Mean of 8 a. m. and 8 p. m.

Direction of prevailing wind.

Jacksonville	34	ne	ne	sw	sw	ne	sw	sw	sw	ne	ne	ne	n	ne
Cedar Keys	10	ne	s	w	w	w	w	w	w	ne	ne	ne	ne	w
Pensacola	31	n	ne	se	sw	sw	sw	sw	sw	ne	ne	n	n	sw

Frost data.

Stations.	Length of record.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.	Average date of last killing frost in autumn.	Average date of last killing frost in spring.
NORTHEAST COAST GROUP.	*Yrs.*				
Jacksonville	53	November 12	April 6	December 4	February 14
St. Augustine	14	November 27	March 19	December 30	February 15
Huntington	11	November 15	March 8	December 22	February 18
New Smyrna	16	November 28	March 22	December 23	February 15
NORTHERN INTERIOR GROUP.					
Macclenny	12	November 10	April 15	November 25	March 2
Lake City	16	November 13	April 15	December 2	March 4
Gainesville	12	November 13	March 21	December 11	February 20
Ocala	18	November 13	March 21	December 8	February 17
NORTHWEST COAST GROUP.					
Cedar Keys	11	November 21	March 12	December 7	....
Stephensville	8	November 13	March 30	November 30	February 22
Carrabelle	8	November 16	March 8	December 18	February 19
Pensacola	31	November 12	April 6	December 5	February 23
NORTHWEST INTERIOR GROUP.					
Madison	8	November 12	March 27	November 29	March 1
Tallahasse	18	November 4	April 6	December 5	March 3
Monticello	5	November 13	March 21	December 2	....
Marianna	8	November 9	March 16	November 21	March 1

HYDROGRAPHIC DATA FOR SECTION 83.

SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY,
By R. H. Bolster, Assistant Engineer.

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.

This section, comprising the northern portion of the State of Florida, is drained by Perdido, Escambia, Choctawhatchee, Apalachicola, Ocklockee rivers on the west, and Suwanee, St. Mary, and St. Johns rivers on the east, There are large areas of swamp lands throughout this section. The headwaters of many of the streams and their drainages consist of vast undrained swamps. Many of the rivers, particularly those flowing into the Gulf of Mexico, are navigable to a greater or less distance above their mouths.

Apalachicola River, in particular, which is formed by the union of Flint and Chattahoochee rivers in Georgia and Florida, is navigable to Albany, Ga., on the Flint, and to Columbus, Ga., on the Chattahoochee.

Suwanee River, and its principal tributary, Withlacoochee River of Georgia, drain a considerable area in the south-central portion of Georgia. These streams unite after passing into Florida and continue southerly course to the Gulf of Mexico about 10 miles north of Cedar Keys. The eastern branch of the Suwanee River drains a portion of the Okefinokee Swamp in Georgia, and Santa Fe River, a tributary from the east, running in lower down, drains the upper central portion of Florida lying west of the St. Johns River, has its source within a few miles of the eastern coast of Florida at about 28 degrees north latitude, thence it flows through swampy areas with numerous lakes in a general northwesterly to northerly course at an average distance of about 20 miles from the east coast of Florida to Jacksonville; thence east to the Atlantic Ocean. This stream is navigable through a greater portion of its length affording low transportation rates for produce grown in this drainage basin.

Silver Springs, an interesting tributary of the St. Johns, forms the outlet of an underground stream, or system of streams, so large that steamboats run on the stream leading from it into the basin of the spring. This water flows eastward about 9 miles into Oklawaha River, which has its source in a number of lakes in central Florida, and flows north for a considerable distance, thence eastward into the St. Johns River.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given; first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table.

Monthly discharge of Suwanee River, White Springs, Fla., for period June 1, 1906, to Dec. 31, 1908.

Month.	Discharge in second-feet.		
	Maximum.	Minimum.	Mean.
January	8,220	117	3.590
February	6,560	99	2,500
March	4.900	68	1,000
April	470	54	248
May	5,300*	117	296
June	8,320	18	1,760
July	9.490	255	2,610
August	5,250	215	1.940
September	4,150	195	1.480
October	4,000	135	1.120
November	495	117	217
December	8,160	68	1,520
The Period	9.490	18	1.520

Note.—* May 28, 1906.

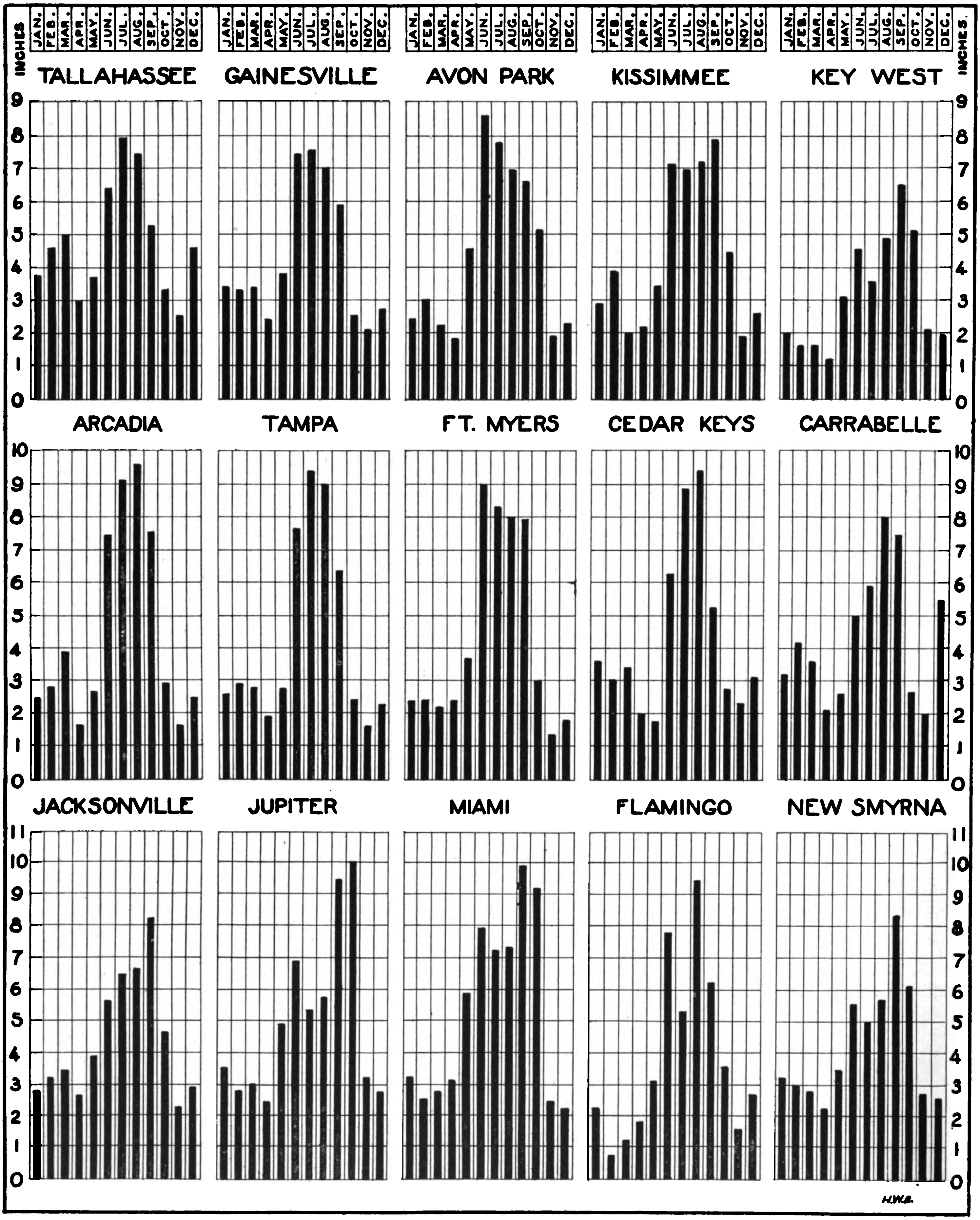


FIG. 1—Diagrams showing the comparative, monthly distribution of precipitation.

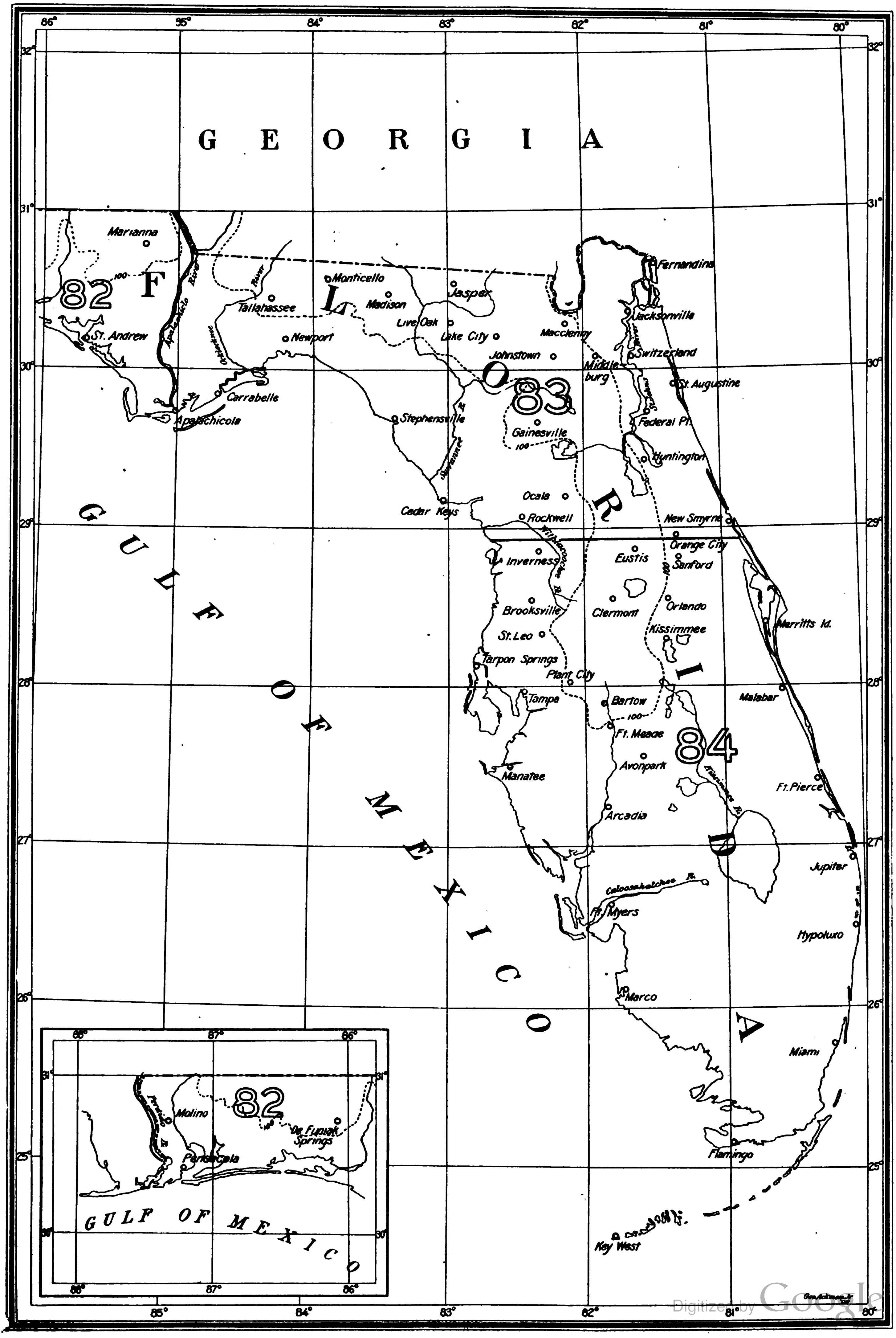


FIG. 2—Chart showing the boundaries of sections, location of principal reporting stations, drainage systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CHARLES F. MARVIN, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Climatologist and Chief of Division.

REPRINT OF SECTION 84—SOUTHERN FLORIDA.

INTRODUCTORY REMARKS.

The territory embraced in this discussion comprises that portion of the Florida Peninsula south of the 29th parallel, and constitues about 28,000 square miles with a population of about six to the square mile. The upper portion of the district may be regarded as the beginning of the semi-tropical section of the State. The physical features of the district present no radical contrasts, as the most elevated portions barely reach the dignity of hills. The elevation ranges from sea level to about 100 and possibly 200 feet in portions of the interior. In this district may be found nearly every variety of soil, from the sandy pinelands of the coastal region to those of a darker hue and great fertility in portions of the interior. Interspersed throughout the district are numerous fresh water lakes and sluggish streams. The soil is adapted to the growth of all agricultural products indigenous to the State, and in addition, as a consequence of latitude and elevation, many varieties of fruits not to be found elsewhere in the United States, save possibly in sections of California, have been successfully introduced. Probably four-fifths of the citrus crop, and all the pineapples of the State, are grown in the district. The growth of early vegetables has assumed large proportions, though thousands of acres are still covered with virgin timber. Enormous beds of phosphate rock are untouched. As the drainage of overflowed lands in the east and the conservation of moisture in the semi-arid region of the west have the same object in view—that of making waste lands available for successful agricultural pursuits—it may not be inappropriate to state that a work of great magnitude is now being prosecuted in the district with the object of draining the Everglades (Okeechobee Lake section). The area to be reclaimed, comprising about 5,000,000 acres in the south-central portion of the section, is of great fertility and peculiarly adapted to the growth of sugar cane. As the reclamation of this vast area is of great importance, as indicated by the utilization of the rainfall data compiled by the Weather Bureau over the section concerned, it may be pertinent to state that the Okeechobee section proper is claimed to be about twenty feet above sea level. The drainage to the eastward is through various minor streams, the principal of which is the New River which is the outlet of probably one-half of the waters that empty into the Atlantic Ocean from this section. The Caloosahatchee River is the main drainage basin into the Gulf of Mexico, while the Kissimmee River and several less pretentious streams drain into Lake Okeechobee. The consummation of the task of canal drainage, now being vigorously pushed by the State, will make available an enormous area for fruit, vegetable, and cane growing—rendered doubly valuable by reason of the comparative immunity from destructive frosts and freezes.

CLIMATIC DATA.

The period of observations for many stations is sufficiently long to cover probably the extreme fluctuations of the several climatic elements, and the stations with comparatively short records are so situated geographically as to come within the measure of those stations with records for many years. The climatic data include tables of monthly, annual, average, and extreme values of rainfall, the averages and extremes of temperature, and frost data, showing the average date of the first and last killing frosts of autumn and spring, respectively. The tables of temperature are practically for the same period as are those for rainfall; the tables of relative humidity, prevailing wind direction and velocity, and the percentage of sunshine are not for so extended a period.

The temperature is the most important element entering into the climate of the district, because a large percentage of the products grown is subject, to serious damage by low temperatures. Owing to the uniformity of the temperature throughout the district, it may be well to state that the record of any point in the section not mentioned will vary but slightly from the record of the station nearest to it that appears in the table. It should not be overlooked, however, that those stations near the coast, or in the vicinity of large bodies of water, have more equable temperatures; i. e., they are somewhat warmer in winter and cooler in summer. As might be expected from the altitude and latitude, the range in temperture is unimportant, and though the summers are long, the extreme heat, even at stations in the southern portion of the district, is rarely 100°. During the warmest part of the day atmospheric circulation is most active, the winds sweeping across the Peninsula from the ocean or gulf, and thereby mitigating, in a great measure, the disagreeable sequences of warm days and high humidity. The warmest weather occurs during July and August, when maximum temperatures of 100°, or slightly more, may be recorded at stations in the interior. The mean summer temperatures range from about 80° to 82°, continuing about 80° during September in the southern portion. As a rule, the October average is from 6° to 8° cooler than September. As the last mentioned two months constitute the period of maximum cyclonic activity, there are many days during those months when the winds are from the north to northeast, thereby dispelling the feeling of lassitude natural to the season. The mean temperature continues well up in the 60's during November, but in December and January the average is 60°, or slightly below, in the northern portion. While February is not the coldest month, judged by average temperatures, yet the most severe cold waves have occurred during that month, except in the southern portion of the State, where the coldest weather usually takes place during January. The lowest temperature ever recorded in the district is 14° at Inverness, which occurred in February, 1899. Years of wide-spread disaster to fruits and vegetables were January, 1886, December, 1894, and February, 1895 and 1899, which comprehend the extreme conditions that have prevailed during the fundamental period, 1871 to 1912. Authentic data, however, covering a period of about fifty years antedating 1871, show that severe cold waves occurred in 1835 and 1857.

Frost may be expected over the upper and central portions from the latter part of November to March, inclusive, rarely severe, however, before December and January, and it is not infrequent that winters pass without damaging frosts; and such is the rule over the southern portion of the district. It may be well to add, however, that the "frost line" probably extends to the southern limit of the Florida mainland under extreme conditions. The only portions of the section exempt from frost are the "Florida Keys"—the islands jutting into the ocean and gulf from the southern borders of Dade and Monroe counties.

PRECIPITATION.

The records of precipitation cover varying periods, ranging from less than a decade to thirty years or more. In many cases the fragmentary records have been completed by utilizing the data from near-by stations and estimating therefrom the probable amount for the missing period. The boldfaced type indicates the data involved. The distribution of precipitation by seasons, and the varying amounts for the different months and years appear in detail in the tables, enabling the agriculturist, horticulturist, and others engaged in industrial development to utilize the data as a dependable basis for the prosecution of their lines of work. Although the distribution and frequency of rainfall are generally quite uniform, yet the tables exhibit wide ranges in the daily, monthly, seasonal, and annual mounts. In practically every section of the district there have been daily falls of 8 to 10 inches, monthly falls of 20 to 30 inches, and annual amounts ranging from slightly more than 20 inches, to 80 inches, and in a few instances the annual total approximated 100 inches. As against this record, however, there is a possibility of the monthly total being not more than a trace during occasional droughts. The annual precipitation is greatest on the southeast coast—that portion of the Peninsular being in or near the most frequent track of tropical disturbances. From the region of maximum amount the rainfall diminishes northward to something less than 50 inches in the northeastern portion of the district, and to less than 40 inches in the extreme south portion. A graphic presentation of the average distribution of precipitation during the several months of the year at representative points in the district is shown by diagrams at the end of the table.

While the seasonal contrast of rainfall is not so pronounced as it is in some sections of the western part of the country, it indicates relatively dry and wet seasons. The period of greatest rainfall begins over most of the district in June and terminates with September, except on the southeast coast where, owing to the frequency of tropical disturbances, the period of heavy rainfall extends into October. The dry season, when the monthly amount ranges from 1 to slightly more than 2 inches, sets in over most of the district in October, and, with little variation, continues until May. The wet June on the south and southeast coast is followed by less precipitation during July and August, except in portions of Monroe County, where the heaviest fall is noted during the latter month. On the west coast there is a progressive increase, as a rule, from June to August. April and November are generally the driest months of the year, except that December is drier than November over portions of the south and southeast coasts. During the wet months the amounts range from 6 inches to more than 10 inches. Precipitation of .01 of an inch, or more, occurs on an average about every fourth day during the dry season on the south coast, and somewhat more frequently on the east and west coasts and in the north-central portion of the Peninsula. The rainy days become more frequent as summer advances, culminating in a monthly average of from 15 to 18 days during the rainy period.

During the summer and spring months the winds on the east and south coasts are from the east and southeast. During the autumn they are more northeasterly, becoming northwesterly on the upper coast during a portion of the winter months. On the west coast they are northeasterly during most of the time.

Severe storms of the West Indian type are liable to occur occasionally; in fact, moderately high winds may be expected every year, as disturbances move northward from the tropics —mainly from August to October. Thereafter, however, the weather is ideal, and storms of any consequence are the exception.

RAINFALL INTENSITY.

The importance of data reflecting rainfall intensity in this State is obvious. The great industrial development, involving the drainage of the Everglades and other large tracts of lands, is necessarily governed, to some extent, by precipitation records. The construction of canals, their number and capacity, are questions of moment involving large expenditures of money, and they can not be disassociated from matters pertaining to the frequency of rains and their intensity within even short periods. The precipitation records for Jupiter, Miami, and Tampa, herein tabulated somewhat in detail, reflect, approximately, the conditions that may be anticipated over the central and southern portions of the State, qualified by the observation that the total rainfall at interior points is slightly less than it is over sections adjacent to the coast.

The physical features over most of the southern peninsula are such as to justify the expectation of only a minimum "run-off," which, coupled with the fact that the loss by evaporation is not so great, relatively, as it is in some other sections of the country, impels ample provision to care for the surplus of water over a territory where nature offers but little assistance. The tabular matter herein will be helpful to the drainage engineer and to others similarly engaged, whose success or failure may be measured by the provisions made to care for heavy rains of rather frequent occurrence.

ALEXANDER J. MITCHELL,
Section Director.

PRECIPITATION IN SOUTHERN FLORIDA. MONTHLY, ANNUAL, AND AVERAGE AMOUNTS IN INCHES AND HUNDREDTHS.

[Values in bold-face type interpolated from surrounding stations.]
T.—Indicates trace of precipitation; i. e., amount too small to measure.

WEST COAST GROUP.

BROOKSVILLE, HERNANDO COUNTY, FLA.

Elevation, 126 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	3.30	0.82	1.64	0.66	2.16	7.45	2.83	13.59	9.77	5.09	0.46	2.10	49.87
1893.	3.75	6.18	3.44	5.00	4.05	14.19	7.29	7.36	10.20	0.94	2.67	2.29	67.36
1894.	1.55	3.42	1.41	0.97	5.78	8.70	11.68	6.53	15.87	4.29	1.84	2.30	64.34
1895.	4.37	4.86	1.98	6.14	2.39	5.44	12.33	9.84	1.85	1.93	2.23	0.89	57.25
1896.	4.31	1.60	1.58	0.32	4.42	11.94	11.39	7.30	4.92	0.76	2.89	1.34	52.77
1897.	1.67	4.57	0.92	1.90	0.90	8.32	11.98	9.16	7.97	4.62	1.18	2.08	55.27
1898.	0.61	1.97	0.15	0.34	0.68	4.74	12.48	13.44	7.30	5.07	1.90	2.96	51.64
1899.	6.03	8.84	1.10	4.01	0.60	9.05	11.15	5.78	6.17	4.54	0.73	1.79	59.79
1900.	3.01	3.45	6.85	8.05	**4.77**	9.55	6.65	6.98	2.70	4.02	0.22	4.76	61.01
1901.	2.04	4.26	4.38	1.36	4.05	10.25	7.41	16.34	5.10	0.30	0.66	2.50	58.65
1902.	0.35	4.99	**3.00**	**1.21**	2.54	4.06	3.53	7.47	8.16	3.12	2.57	4.25	45.25
1903.	4.92	7.04	**8.38**	**0.12**	**2.94**	**6.41**	**8.64**	**7.95**	**7.17**	0.43	1.56	1.50	57.06
1904.	5.32	1.50	0.20	1.30	3.12	6.40	10.59	7.84	4.60	3.44	2.04	0.79	47.14
1905.	0.93	1.92	3.73	2.22	4.25	9.83	10.16	17.47	8.13	0.76	0.33	5.60	65.33
1906.	7.04	1.52	3.34	1.91	9.25	10.53	20.54	7.42	6.61	0.94	0.59	0.37	70.06
1907.	0.31	0.89	**0.01**	**1.70**	4.16	8.89	8.81	6.41	6.72	0.74	2.66	4.21	45.51
1908.	3.54	1.51	0.10	2.58	0.57	7.92	5.38	7.80	9.62	1.73	2.48	0.21	43.44
1909.	1.19	1.62	1.40	1.92	4.79	6.04	19.89	8.95	2.09	0.90	0.98	2.30	52.07
1910.	1.62	4.25	1.47	0.43	0.68	13.42	5.75	13.74	1.39	6.35	2.50	0.27	51.87
1911.	0.72	0.10	2.00	0.35	4.95	5.77	6.11	7.67	10.31	6.87	3.18	5.09	53.12
1912.	9.15	2.74	2.19	1.64	9.15	13.94	7.90	5.83	15.53	5.17	4.04	2.11	79.39
Mns	3.12	3.24	2.34	2.10	3.63	8.70	9.63	9.28	7.39	2.95	1.79	2.37	56.54

TAMPA, HILLSBOROUGH COUNTY, FLA.

Elevation, 20 feet.

1840.	2.60	1.00	3.20	1.90	8.85	6.72	24.52	23.40	7.75	4.80	4.56	0.56	89.86
1841.	0.88	2.54	2.80	0.30	0.30	8.95	10.60	8.10	5.61	3.31	3.10	2.40	48.89
1842.	0.30	2.83	0.10	2.70	2.80	2.90	11.00	12.50	4.00	3.20	2.00	1.63	45.96
1843.	3.37	5.70	7.20	1.30	2.00	6.90	8.61	6.60	9.90	2.60	0.80	1.30	56.28
1844.	1.10	3.30	1.80	0.10	5.50	4.70	7.70	15.77	3.50	2.20	3.10	2.90	51.67
1845.	3.80	0.15	0.40	0.20	4.03	4.51	12.30	8.23	12.69	2.14	1.00	3.61	53.06
1846.	3.01	4.97	7.73	2.93	4.44	8.17	8.80	9.03	1.33	3.11	0.18	0.50	54.20
1847.	2.24	3.25	4.38	1.61	1.00	4.68	7.22	4.80	10.23	2.01	0.28	4.50	46.20
1848.	0.36	0.21	0.05	1.23	2.30	10.59	21.31	14.80	......	......	......	......	......
1849.	......	......	......	......	......	......	8.74	6.32	3.55	1.74	0.77	1.12	......
1850.	1.44	5.92	3.50	1.65	3.98	2.05	11.98	5.43	2.71	2.89	**1.91**	**2.62**	46.08
1851.	......	......	......	......	2.03	6.57	3.18	6.35	6.93	1.85	2.10	3.00	......
1852.	0.95	0.85	6.40	3.05	3.06	13.20	10.95	14.30	10.00	0.30	3.20	3.00	69.26
1853.	4.55	1.60	3.35	0.75	0.30	9.09	4.12	4.67	4.36	1.70	2.90	7.38	44.77
1854.	3.83	6.89	2.44	8.82	6.21	9.44	5.53	11.23	4.68	1.77	1.75	4.85	77.44
1855.	2.34	2.88	3.09	0.75	1.77	7.07	**10.33**	5.64	1.45	1.10	1.89	2.42	40.73
1856.	5.28	4.83	0.81	0.00	**2.83**	5.65	22.24	8.30	3.80	0.11	0.44	1.64	55.93
1857.	1.80	0.10	3.68	0.91	0.36	5.56	7.41	6.39	1.97	**2.21**	2.74	2.83	35.96
1858.	1.12	3.44	4.20	0.48	2.54	6.03	13.29	......	......	......	......	......	......
1859-1868.	......	......	......	......	......	......	......	......	......	......	......	......	......
1869.	......	......	......	......	1.63	6.76	8.19	......	......	......	......	......	......
1870.	......	......	......	......	......	......	......	......	......	......	......	......	......
1871.	......	......	......	......	......	......	5.30	13.45	......	1.60	2.80	3.00	......
1872.	0.80	3.90	2.40	3.05	0.40	7.80	6.65	9.80	4.40	3.80	3.40	1.10	47.50
1873.	6.40	2.90	1.85	1.40	3.63	10.70	4.70	12.75	7.40	0.70	0.90	2.50	55.83
1874-1880.	......	......	......	......	......	......	......	......	......	......	......	......	......
1881.	......	......	......	......	......	5.34	3.10	5.32	4.24	0.28	0.54	2.24	......
1882.	3.72	0.82	1.81	3.88	2.40	5.28	10.44	11.28	2.22	5.28	1.64	**2.62**	51.39
1883.	......	......	......	2.62	0.25	......	2.20	5.20	3.68	2.25	T.	0.40	......
1884.	1.20	0.71	2.15	3.20	3.43	9.45	4.75	8.28	3.75	0.96	1.45	0.80	40.13
1885.	3.80	4.45	1.46	0.40	2.82	3.93	9.30	1.80	10.60	1.95	0.52	1.83	42.90
1886.	2.94	0.94	5.78	3.28	1.09	11.68	17.32	8.91	6.58	2.64	1.02	1.90	64.08
1887.	2.07	0.53	1.51	2.49	3.09	10.29	12.50	11.17	4.26	5.66	1.35	3.42	58.34
1888.	0.52	5.89	3.19	0.34	4.68	4.25	......	......	......	......	......	......	......
1889.	......	......	......	......	......	......	......	......	......	......	......	......	......
1890.	......	......	......	0.55	4.49	11.58	11.91	8.87	9.24	5.05	3.31	1.32	......
1891.	1.95	0.98	3.24	2.77	0.69	7.12	4.52	9.48	7.96	2.61	1.99	1.15	44.46

TAMPA, HILLSBOROUGH COUNTY, FLA.—Continued.

Elevation, 20 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	3.25	1.13	1.58	0.31	3.03	12.41	3.94	8.60	6.67	1.34	1.28	3.12	46.66
1893.	2.36	1.71	6.57	1.34	2.67	10.89	2.11	8.56	6.24	2.46	2.73	1.32	48.96
1894.	1.42	2.73	1.71	1.36	6.92	9.15	11.56	7.16	17.28	4.84	2.26	0.54	66.93
1895.	3.40	3.99	2.07	5.38	1.29	4.24	10.63	8.88	4.80	3.04	1.78	1.14	50.64
1896.	3.38	3.77	2.16	0.86	2.27	13.42	12.30	7.96	7.30	1.00	3.96	1.25	59.63
1897.	1.42	5.40	1.44	4.65	0.33	8.46	6.23	7.84	10.73	4.78	0.63	2.50	54.41
1898.	0.42	1.52	0.08	0.16	0.37	5.96	8.29	17.83	6.57	4.50	1.96	2.87	50.53
1899.	6.45	6.27	1.40	3.39	0.48	12.18	15.53	4.93	8.35	2.42	0.24	2.18	63.82
1900.	4.36	4.15	7.36	3.74	2.33	7.88	4.40	6.90	4.86	5.11	0.96	3.40	55.45
1901.	1.15	1.76	3.58	1.63	4.31	7.52	6.82	8.03	5.18	0.36	0.48	1.24	42.06
1902.	0.28	5.72	1.91	1.07	4.11	6.43	7.64	7.35	10.14	3.37	0.97	1.39	50.38
1903.	6.33	6.06	4.79	0.74	1.92	5.38	9.34	6.00	10.64	0.93	3.09	1.46	56.68
1904.	6.73	3.20	0.77	0.66	4.17	6.72	4.85	9.29	1.68	2.84	2.48	1.41	44.80
1905.	0.40	1.05	2.00	1.89	1.77	8.88	7.81	14.66	5.88	1.13	0.26	5.14	50.87
1906.	3.88	1.69	2.70	1.50	4.77	6.37	13.92	10.61	5.15	0.59	0.56	0.09	51.83
1907.	0.46	0.86	T.	0.74	2.90	7.25	8.63	3.75	8.54	1.07	1.89	7.36	43.45
1908.	2.14	1.10	0.08	2.07	1.81	6.18	2.75	7.48	5.73	1.18	1.34	0.39	32.25
1909.	1.78	1.01	1.26	1.25	2.73	11.31	10.47	13.01	2.30	0.44	0.56	1.06	47.18
1910.	0.81	3.00	0.58	1.27	1.76	9.15	9.73	6.39	0.79	5.17	1.94	1.05	41.64
1911.	0.76	0.05	2.57	0.81	3.14	4.59	6.46	6.71	7.01	5.66	3.91	2.46	44.13
1912.	6.17	1.64	4.66	1.31	4.06	13.47	6.96	4.93	18.93	1.50	2.40	1.16	67.19
Mns	2.55	2.76	2.72	1.81	2.75	7.74	9.29	8.92	6.40	2.47	1.74	2.12	51.27

BRADENTOWN, MANATEE COUNTY, FLA.

Elevation, 8 feet.

1869.	4.37	1.60	7.50	4.00	1.40	5.50	6.80	9.80	2.40	0.50	2.70	3.10	49.67
1870.	3.00	2.20	4.40	1.70	2.00	4.50	11.00	......	......	......	......	......	......
1871-1883.	......	......	......	......	......	......	......	......	......	......	......	......	......
1884.	......	......	......	......	......	......	......	3.73	6.03	3.66	1.46	2.00	......
1885.	4.34	6.13	4.20	1.00	8.90	7.51	12.54	5.27	13.68	1.26	0.22	2.21	67.26
1886.	2.56	0.55	5.20	0.59	0.17	11.14	14.06	11.43	4.22	3.90	0.92	1.78	56.52
1887.	2.40	0.48	1.63	5.07	9.69	10.88	10.15	6.18	6.06	3.65	1.61	3.20	61.00
1888.	0.30	6.82	3.01	0.12	6.28	3.72	7.26	9.96	10.02	2.32	5.33	5.36	60.50
1889.	7.59	4.58	2.20	1.68	0.60	11.10	10.01	9.66	4.16	1.21	0.65	0.00	53.44
1890.	0.73	3.05	2.17	0.57	4.29	7.72	19.21	7.12	9.85	4.26	2.30	......	......
1891.	......	......	......	......	......	......	......	......	5.40	4.03	1.77	0.49	......
1892.	3.21	1.50	1.68	0.27	3.16	9.93	9.58	9.72	8.51	2.68	1.28	......	......
1893.	1.83	4.39	4.06	1.70	4.18	11.20	6.01	4.91	10.32	1.62	2.78	2.70	55.70
1894.	0.46	1.42	1.62	0.44	2.50	9.11	9.54	8.49	7.60	2.79	0.46	0.52	44.95
1895.	2.41	5.02	2.49	5.02	3.13	1.59	6.08	8.22	6.23	2.00	1.44	1.13	44.76
1896.	2.23	4.45	0.55	0.05	1.75	9.65	14.36	14.57	7.56	3.57	0.84	2.58	62.16
1897.	3.05	2.97	1.15	4.13	1.15	......	11.74	......	9.49	......	2.00	2.60	......
1898.	0.15	0.81	0.37	0.25	2.08	5.35	13.93	18.48	10.37	3.98	0.87	1.89	58.53
1899.	5.34	**4.12**	0.80	5.67	1.85	7.65	24.45	3.29	5.17	4.61	1.31	2.51	66.77
1900.	3.36	3.87	8.59	3.20	4.13	9.23	11.05	15.45	6.64	3.30	2.55	4.41	75.78
1901.	1.94	2.15	3.58	2.37	1.75	15.93	11.12	12.91	13.47	0.59	0.39	2.21	68.41
1902.	0.53	5.96	1.36	1.17	1.06	6.28	11.66	4.69	7.40	4.69	1.42	1.68	47.90
1903.	6.84	4.09	4.26	0.27	2.49	4.77	6.66	4.50	3.67	1.30	2.70	2.35	43.90
1904.	4.55	2.44	1.26	0.37	1.71	8.18	9.91	10.99	7.60	3.43	3.19	1.40	55.03
1905.	0.53	0.90	2.26	3.14	2.55	5.13	9.46	13.21	9.12	2.86	0.35	7.21	56.72
1906.	4.79	2.96	3.41	0.66	3.38	6.19	7.50	13.12	2.26	2.10	0.75	0.17	47.29
1907.	0.36	1.40	0.00	1.84	2.54	8.11	6.46	6.73	6.12	1.55	1.14	5.19	41.44
1908.	2.53	1.48	0.04	2.41	0.14	6.73	10.39	7.40	13.41	1.83	1.78	0.30	48.44
1909.	1.12	1.30	1.20	1.16	4.14	14.26	12.40	11.34	4.24	1.14	0.56	2.44	55.30
1910.	1.55	3.46	0.50	1.03	0.60	4.58	......	......	......	7.23	2.15	0.95	......
1911.	1.29	T.	1.50	1.58	4.24	5.24	8.93	8.10	7.67	6.21	3.07	2.19	50.02
1912.	5.98	1.95	1.86	1.13	3.84	25.62	9.03	6.45	16.65	5.61	......	......	......
Mns	2.74	2.83	2.52	1.82	2.95	8.46	10.76	9.10	7.77	3.03	1.65	2.32	55.95

Prior to September, 1910, the record is for Manatee, 2 miles from Bradentown.

FORT MYERS, LEE COUNTY, FLA.

Elevation, 12 feet.

1851.	7.61	3.38	2.09	4.57	2.71	18.51	7.35	3.61	8.01	1.66	0.55	1.50	61.55
1852.	1.54	1.00	11.77	5.70	3.25	18.13	12.02	7.60	9.54	0.40	0.98	2.34	74.27
1853.	4.29	1.60	2.52	2.20	1.79	25.58	6.35	10.38	22.10	1.49	0.79	3.55	82.64
1854.	1.15	4.70	0.20	2.75	5.65	6.75	9.70	9.90	1.50	0.35	0.45	1.65	44.75
1855.	3.20	0.55	6.41	0.50	3.00	10.20	6.80	11.35	5.35	2.95	2.05	2.30	54.66
1856.	7.50	7.60	4.25	0.00	2.15	7.65	12.45	2.84	2.00	1.10	0.26	1.23	49.03
1857.	0.07	0.01	0.84	2.13	0.23	8.03	8.67	9.27	6.10	2.05	0.00	2.80	40.20
1858.	1.20	5.16	1.80	......	4.51	1.10	......	......	......	......	......	......	......
1859-1870.	......	......	......	......	......	......	......	......	......	......	......	......	......
1871.	......	......	......	......	......	......	......	......	15.49	1.80	0.98	2.68	......
1872.	2.64	2.71	0.69	1.54	2.88	7.16	8.68	4.08	5.14	2.82	0.53	1.87	40.74
1873.	6.84	0.48	1.59	3.58	9.89	5.21	5.13	9.85	9.13	3.90	2.83	1.57	60.00
1874.	2.05	2.50	6.08	0.41	1.27	11.94	8.06	5.11	4.73	0.09	1.21	0.71	38.16
1875.	0.84	0.03	0.70	4.59	2.07	3.33	5.33	12.49	6.99	2.08	1.00	1.26	40.71
1876.	0.04	0.51	1.35	0.88	2.73	4.34	16.95	5.19	4.07	5.25	2.56	0.47	44.34
1877.	1.53	2.89	0.84	1.09	4.38	1.26	6.59	8.33	4.86	1.99	4.30	0.93	38.99
1878.	4.03	7.41	2.24	4.05	5.06	4.75	9.58	3.95	8.77	0.56	0.34	1.07	51.81
1879.	0.31	2.11	0.14	0.63	1.42	3.22	6.21	12.75	13.78	4.85	0.35	0.52	46.29
1880.	3.22	1.26	0.03	0.55	5.32	2.45	3.76	8.55	2.50	8.10	1.81	1.98	39.53
1881.	4.02	0.52	1.18	0.54	3.13	2.53	3.60	7.28	7.20	1.58	0.80	1.22	33.60
1882.	0.30	0.20	0.15	3.59	2.51	8.46	5.58	3.62	4.12	3.90	1.04	1.10	34.57
1883.	1.29	0.01	6.64	2.70	2.62	......	......	......	......	......	......	......	......
1884-1885.	......	......	......	......	......	......	......	......	......	......	......	......	......
1886.	......	......	......	......	......	11.40	18.58	9.55	8.90	3.55	1.08	4.45	......
1887.	1.10	0.60	7.55	7.10	8.55	10.99	7.11	6.66	7.88	6.00	1.90	3.22	68.66

FORT MYERS, LEE COUNTY, FLA.—Continued.

Elevation, 12 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888.	0.10	4.25	1.10	2.00	5.35	11.36	5.95	8.34	11.82	5.46	4.56	2.60	62.89
1889.	5.31	1.87	2.38	1.75	1.49	11.81	7.69	11.78	10.51	0.58	1.03	0.16	56.36
1890.	0.24	0.69	1.17	0.39	8.17	7.23	6.47	8.51	10.19	3.21	2.15	0.54	48.96
1891.	2.85	0.88	0.50	3.14	1.19	6.26	8.34	9.90	......	4.44	2.00	0.50	......
1892.	0.40	0.75	2.30	4.44	5.32	12.23	7.57	6.62	13.66	4.64	1.45	1.73	61.11
1893.	2.42	0.74	1.66	3.32	5.63	10.11	5.17	6.63	6.70	1.64	2.03	1.69	47.74
1894.	0.68	1.55	1.07	1.30	1.47	15.55	5.15	8.70	9.89	4.58	0.97	0.24	51.15
1895.	2.06	5.82	1.41	4.52	3.96	3.68	6.46	9.60	7.79	2.23	0.79	1.76	50.08
1896.	2.53	2.24	2.17	0.32	9.02	20.90	9.04	2.90	11.12	4.72	1.26	3.43	69.65
1897.	2.26	3.48	1.09	7.26	2.50	5.80	14.82	5.65	10.45	2.07	0.73	1.06	57.17
1898.	0.05	0.02	0.46	0.37	3.53	2.83	8.16	11.62	10.73	4.99	1.29	3.12	47.17
1899.	5.21	8.77	1.23	1.74	1.15	5.93	12.08	6.72	2.31	2.58	0.94	0.58	49.24
1900.	3.17	3.99	4.12	2.87	4.65	7.12	9.63	9.77	8.29	10.33	1.91	2.78	68.63
1901.	0.50	0.72	2.67	1.89	2.30	20.28	5.23	12.41	6.86	0.78	0.52	1.62	55.78
1902.	0.52	6.79	0.18	1.03	1.23	8.63	4.60	3.97	6.60	7.46	0.96	2.93	44.90
1903.	4.76	3.37	7.78	T.	0.71	10.45	11.40	5.50	4.15	1.62	2.02	1.61	53.37
1904.	3.12	2.00	1.90	1.10	3.57	14.86	5.60	6.30	3.07	1.78	1.93	0.83	46.06
1905.	0.50	0.10	0.18	4.83	3.97	5.97	13.90	10.52	9.09	1.51	0.06	6.21	56.84
1906	2.02	2.18	2.84	0.21	6.12	11.00	9.69	12.02	3.39	2.41	0.32	0.02	52.22
1907.	1.30	0.68	0.08	0.57	6.46	6.76	6.70	7.86	4.97	0.55	0.94	2.12	38.99
1908.	1.66	0.94	0.55	1.31	4.25	7.41	6.43	9.14	12.91	3.14	0.33	0.46	48.53
1909.	1.13	0.52	0.17	4.48	4.35	10.12	5.76	14.59	5.07	3.88	0.38	1.10	51.55
1910.	1.64	1.32	0.73	0.62	2.90	8.20	9.27	10.73	6.89	13.26	0.89	0.34	56.79
1911.	0.46	T.	0.68	3.06	8.49	8.77	4.05	11.19	5.87	4.62	1.53	0.37	49.09
1912.	1.93	2.93	4.35	0.20	8.55	26.91	8.42	4.52	9.06	5.43	1.32	1.03	74.65
Mns	2.20	2.22	2.08	2.26	3.94	9.42	8.14	8.18	7.77	3.36	1.26	1.68	52.51

The values from September, 1871, to May, 1883, inclusive, are for Punta Rassa, 13½ miles southwest; and from June, 1886, to August, 1891, inclusive, are for Alva, 17 miles northeast of Fort Myers.

INVERNESS, CITRUS COUNTY, FLA.

Elevation, 43 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899.	......	6.65	0.82	3.66	1.47	7.97	10.08	7.22	2.95	2.46	0.33	1.84	......
1900.	2.94	4.59	6.33	6.43	4.54	5.86	6.39	4.17	3.68	3.19	0.62	3.61	52.35
1901.	1.67	4.72	6.45	1.74	3.29	10.63	8.75	14.32	4.12	2.31	1.26	3.99	63.25
1902.	0.46	5.25	4.95	1.34	5.58	1.93	3.09	4.11	13.82	3.45	2.68	1.36	48.02
1903.	5.73	5.08	5.72	0.10	3.60	3.86	12.67	10.27	4.43	0.85	0.94	1.55	54.80
1904.	5.74	1.43	0.34	1.35	0.89	8.91	8.95	7.18	3.78	3.28	2.21	1.18	45.24
1905.	0.75	3.01	3.08	2.21	5.39	7.65	19.67	10.56	9.48	0.36	0.57	5.39	68.12
1906.	3.74	0.81	3.56	3.79	4.50	6.88	14.87	5.95	3.22	0.83	0.60	0.11	48.86
1907.	0.45	2.48	0.03	1.50	4.66	4.77	8.28	5.06	9.40	0.59	1.06	4.07	42.35
1908.	2.95	1.64	0.47	1.37	1.42	8.01	5.10	7.73	11.03	1.22	4.14	1.20	46.28
1909.	1.45	1.80	1.13	1.56	5.42	4.36	22.57	9.05	0.96	1.63	0.22	2.83	52.98
1910.	1.18	3.79	0.70	0.24	3.81	9.39	13.86	9.75	1.06	3.32	1.98	0.89	49.97
1911.	2.00	0.00	2.25	1.71	8.51	3.11	10.00	4.64	3.15	4.05	4.24	4.57	48.23
1912.	5.84	2.01	2.87	1.62	6.80	7.16	4.72	8.42	11.12	3.73	3.92	2.87	61.08
Mns	2.68	3.09	2.77	2.05	4.27	6.46	10.64	7.74	5.87	2.24	1.77	2.53	52.11

ST. LEO, PASCO COUNTY, FLA.

Elevation, 140 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895.	......	......	......	6.32	6.28	3.14	12.94	7.55	3.73	3.71	2.18	1.60	......
1896.	3.90	3.03	2.05	0.23	3.11	17.92	8.63	10.20	4.09	1.89	2.51	1.26	58.82
1897.	1.60	6.92	1.04	3.68	3.10	6.47	11.33	8.08	10.02	3.35	1.07	2.89	59.55
1898.	0.48	1.18	0.47	0.65	1.75	9.07	6.85	20.16	3.38	6.05	1.20	4.64	55.88
1899.	8.71	9.71	3.40	3.08	1.38	9.88	10.19	6.70	5.91	4.36	0.75	1.80	65.87
1900.	4.45	5.98	10.05	4.85	5.67	14.13	8.98	8.66	7.15	4.55	0.55	7.80	82.82
1901.	2.75	3.74	4.45	1.80	1.45	10.15	13.35	19.75	10.98	0.55	1.80	2.24	73.01
1902.	0.65	4.77	2.34	1.18	1.93	5.83	3.34	6.93	11.48	3.38	2.23	1.46	45.52
1903.	7.37	5.72	7.59	0.11	3.12	5.30	7.25	6.32	7.39	0.44	2.93	1.32	54.86
1904.	6.15	1.96	0.19	1.50	1.51	10.55	7.99	10.45	3.46	2.51	2.30	2.12	50.69
1905.	0.51	1.76	2.68	3.01	8.64	6.97	9.48	16.26	7.15	0.45	0.28	5.13	62.32
1906.	6.10	1.64	2.14	0.74	6.85	10.02	15.19	8.58	6.93	1.01	0.70	0.13	60.03
1907.	0.34	1.09	T.	1.66	5.32	8.47	5.14	7.17	9.08	0.30	2.00	5.99	46.56
1908.	2.38	1.29	0.10	1.73	2.20	10.12	5.22	5.83	8.78	1.63	2.18	0.23	41.69
1909.	1.75	2.17	1.53	1.71	8.04	10.10	14.17	7.33	2.58	0.62	0.61	2.66	53.27
1910.	1.60	3.29	1.68	0.72	1.79	13.91	8.05	7.64	2.10	9.66	2.54	0.80	53.78
1911.	0.91	0.01	1.99	0.20	4.23	6.68	12.17	11.06	2.24	5.64	5.84	3.98	54.95
1912.	7.55	1.99	3.00	1.10	5.16	9.46	5.41	4.38	16.81	5.72	2.60	0.92	64.10
Mns	3.36	3.31	2.63	1.90	3.97	9.35	9.21	9.61	6.85	3.10	1.90	2.61	57.80

The values from April, 1895, to December, 1901, inclusive, are for Earnestville, only a short distance from St. Leo.

TARPON SPRINGS, PINELLAS COUNTY, FLA.

Elevation, 20 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891.	2.30	2.13	2.76	3.53	0.18	5.92	5.19	6.89	3.66	1.51	1.98	1.49	37.54
1892.	3.57	1.69	1.99	0.34	1.53	7.85	5.94	13.56	8.15	2.35	0.58	2.25	49.80
1893.	3.84	3.82	5.05	0.65	1.64	10.72	4.72	5.24	6.50	1.32	1.93	2.64	48.07
1894.	3.03	1.92	2.03	0.75	4.40	8.67	7.43	10.36	11.35	2.81	1.93	0.87	55.55
1895.	3.65	3.52	1.05	5.50	2.75	3.26	6.18	9.36	5.98	2.35	2.66	0.74	47.00
1896.	4.58	3.09	1.45	T.	2.12	8.97	8.49	7.66	4.41	0.83	5.18	1.68	48.46
1897.	1.33	2.13	1.23	2.22	0.32	3.16	10.55	7.87	9.15	2.54	1.50	2.48	44.48
1898.	0.18	1.50	0.26	0.30	0.41	5.82	12.77	16.05	13.12	4.57	1.07	5.15	61.20
1899.	4.46	9.79	1.04	4.24	0.13	8.29	18.46	2.02	5.52	1.15	0.55	2.36	58.01
1900.	3.12	4.69	8.18	3.52	5.03	13.47	13.29	7.59	3.76	3.93	0.40	......	......
1901.	......	......	5.10	......	......	......	......	1.12	7.90	2.86	1.54	1.29	......

TARPON SPRINGS, PINELLAS COUNTY, FLA.—Continued.

Elevation, 20 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902.	0.60	4.54	4.04	1.79	1.11	2.82	7.30	4.78	4.97	2.04	2.21	3.42	39.65
1903.	5.23	6.52	6.65	0.18	2.10	5.45	4.46	8.15	10.40	0.34	2.57	1.74	53.79
1904.	5.09	2.06	1.52	1.14	0.66	2.21	4.80	13.51	6.26	1.06	2.66	2.37	43.34
1905.	0.34	2.11	2.12	2.75	1.20	5.72	10.88	16.80	6.24	0.25	0.21	4.34	52.96
1906	4.78	2.03	2.71	0.54	4.08	8.49	11.73	20.99	2.79	3.54	1.13	0.25	63.06
1907.	0.30	1.59	0.00	1.33	2.38	5.25	6.17	5.74	8.66	0.73	1.16	5.34	38.65
1908.	3.02	1.46	0.04	1.09	0.73	6.94	7.00	7.75	6.58	2.38	2.88	0.34	40.21
1909.	2.08	1.50	1.21	1.32	2.74	18.10	17.03	9.97	4.28	1.06	0.23	2.26	61.78
1910.	1.41	2.51	0.93	0.23	4.18	6.13	7.73	12.68	1.97	5.86	1.79	1.18	46.60
1911.	0.82	0.06	1.65	0.55	5.89	4.66	5.91	14.31	14.27	10.33	4.27	3.84	66.56
1912.	5.91	1.92	2.22	1.40	3.02	13.21	6.66	6.39	12.42	6.41	2.93	1.24	63.73
Mns	2.84	2.88	2.42	1.59	2.22	7.39	8.70	9.90	7.20	2.74	1.88	2.25	52.01

SOUTHERN INTERIOR GROUP.

ORLANDO, ORANGE COUNTY, FLA.

Elevation, 111 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	1.72	2.00	1.29	0.60	2.67	4.37	1.63	9.05	9.12	4.66	0.07	2.03	39.21
1893.	2.09	1.51	2.15	1.51	5.31	8.90	3.74	6.34	5.77	9.02	2.67	1.89	50.90
1894.	1.86	0.98	0.88	1.14	3.39	7.86	7.02	7.61	14.95	4.70	3.22	0.56	54.17
1895.	1.29	3.11	1.70	5.15	7.31	3.21	4.36	4.78	4.27	3.78	1.57	1.78	42.31
1896.	5.03	2.95	1.39	0.00	2.71	11.18	10.66	5.24	3.88	1.07	3.53	1.95	49.59
1897.	1.16	3.99	0.38	2.83	1.25	6.53	9.26	4.32	15.77	3.55	1.91	2.62	53.57
1898.	0.64	1.26	0.54	0.15	1.19	1.13	7.31	10.93	3.43	5.55	1.09	3.68	36.90
1899.	5.04	8.71	0.96	3.61	0.96	4.15	7.01	6.28	7.77	9.22	0.12	0.93	54.76
1900.	3.32	2.45	6.93	3.39	4.72	7.62	10.83	7.41	5.53	6.78	1.51	3.36	63.85
1901.	1.07	3.27	3.89	2.47	2.15	11.81	4.28	13.18	11.12	2.20	0.54	1.28	57.26
1902.	1.25	4.50	1.81	2.27	1.52	6.94	5.43	3.53	13.66	4.90	0.52	1.35	47.68
1903.	5.69	5.48	8.37	0.51	3.59	11.05	8.41	3.68	8.08	1.69	2.71	1.00	60.26
1904.	4.02	2.45	1.09	2.20	2.16	9.11	6.40	6.33	5.00	8.44	1.80	1.06	50.06
1905.	0.41	2.12	5.13	1.71	8.12	8.13	6.15	17.13	13.11	3.42	0.33	8.43	74.19
1906.	5.03	0.84	2.80	1.27	9.40	11.75	5.65	3.12	1.87	1.39	0.23	0.05	43.40
1907.	0.02	0.10	0.15	2.20	2.75	8.17	9.96	9.20	5.15	1.91	0.29	4.15	44.05
1908.	3.57	1.56	0.25	3.74	5.50	4.84	7.03	7.04	9.91	3.18	2.31	0.68	49.64
1909.	1.31	1.14	1.40	2.17	2.41	3.13	12.71	8.34	3.41	1.30	0.65	0.67	38.64
1910.	1.01	2.69	2.65	0.38	2.87	15.25	9.71	6.36	2.82	11.73	2.80	0.80	59.07
1911.	0.64	0.06	1.29	2.36	3.07	4.94	6.27	5.66	3.71	4.23	4.73	2.65	39.61
1912.	8.54	1.92	2.11	4.30	6.60	12.17	7.48	7.72	9.63	4.97	1.80	1.21	68.45
Mns	2.61	2.05	2.24	2.09	3.79	7.72	7.20	7.30	7.53	4.66	1.64	2.00	50.83

BARTOW, POLK COUNTY, FLA.

Elevation, 115 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887.	2.60	0.40	1.20	1.30	3.45	12.90	4.20	3.25	2.80	4.65	1.75	2.95	41.45
1888.	0.15	3.95	2.70	0.35	6.05	3.75	4.45	5.60	9.90	3.20	4.25	6.70	51.05
1889.	7.45	4.20	1.20	1.40	1.40	6.55	4.50	5.90	5.65	0.15	0.20	0.00	38.60
1890.	0.00	0.65	1.20	0.35	4.85	4.95	6.75	4.60	21.15	3.00	3.90	1.70	53.10
1891.	0.70	0.80	3.60	2.25	1.65	3.60	7.00	5.95	17.10	6.35	0.50	0.30	49.80
1892.	0.95	1.50	0.70	0.45	2.42	10.37	2.35	8.97	9.01	5.24	0.71	1.48	44.15
1893.	1.27	2.43	2.74	0.98	7.98	10.16	4.71	10.42	6.74	4.07	2.97	1.66	56.13
1894.	1.32	1.79	1.00	0.40	2.13	14.39	5.46	10.13	16.81	3.95	2.18	0.94	60.50
1895.	1.82	3.96	1.37	6.12	5.20	3.79	4.90	8.41	4.25	2.26	2.42	1.21	45.71
1896.	2.52	2.55	1.56	0.00	2.83	9.76	7.39	4.49	5.31	1.38	0.97	2.11	40.87
1897.	1.15	3.31	0.44	4.07	1.80	7.47	14.55	7.40	11.94	2.66	1.16	2.62	58.57
1898.	0.48	0.87	0.66	0.36	2.58	4.27	9.32	8.89	7.88	5.44	2.43	3.04	46.22
1899.	5.03	7.30	1.63	4.22	1.01	5.78	8.43	7.58	10.58	6.51	0.58	1.95	60.60
1900.	4.72	4.26	6.50	3.83	4.28	10.30	7.22	4.76	4.36	2.40	1.61	6.35	60.59
1901.	1.07	3.34	3.56	2.33	2.90	10.84	9.86	12.39	8.87	0.36	1.80	2.01	59.33
1902.	0.23	5.70	2.02	2.77	2.18	6.62	3.97	4.97	10.79	7.16	1.48	1.52	49.41
1903.	6.64	4.87	6.42	0.60	6.21	10.38	9.16	11.64	10.57	0.97	1.49	0.95	69.90
1904.	2.47	4.99	2.14	2.39	1.76	11.76	8.77	6.07	1.76	5.35	3.06	1.23	51.75
1905.	0.35	0.64	4.98	3.20	11.16	2.59	10.79	14.62	6.03	1.82	0.57	8.25	65.00
1906.	5.40	2.41	1.80	2.62	4.82	11.68	5.07	4.73	3.51	1.78	0.28	0.00	44.10
1907.	0.68	1.23	0.81	T.	6.96	4.75	10.24	8.31	5.93	0.39	1.79	3.59	44.68
1908.	5.19	1.40	0.02	1.96	0.36	7.16	4.93	8.92	13.72	1.67	2.44	1.12	48.89
1909.	0.94	1.29	5.42	0.79	4.45	8.44	13.31	14.38	4.01	1.92	0.80	2.41	58.16
1910.	0.93	2.79	2.19	0.66	2.50	8.97	10.66	6.66	2.52	12.55	1.10	0.81	52.34
1911.	1.08	0.00	1.02	0.43	2.32	3.64	10.76	7.87	3.56	3.12	4.75	4.06	42.61
1912.	6.17	1.99	3.88	1.52	6.23	21.62	7.03	2.45	8.09	4.06	1.70	1.35	66.09
Mns	2.36	2.64	2.34	1.74	3.83	8.33	7.53	7.67	8.19	3.55	1.81	2.32	52.31

The values from 1887 to July, 1895, inclusive, are for Homeland, 5 miles south of Bartow.

AVON PARK, DESOTO COUNTY, FLA.

Elevation, 150 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	......	......	1.17	8.70	6.34	6.40	10.01	4.97	0.23	0.70	......
1893.	1.63	3.25	2.88	1.82	7.69	13.49	6.79	7.26	3.95	2.29	2.58	3.00	56.63
1894.	......	......	......	......	......	10.74	10.08	8.96	11.16	4.15	1.79	0.69	......
1895.	1.28	4.74	1.70	4.93	6.97	9.83	5.81	5.76	3.88	4.83	3.31	1.07	54.11
1896.	3.38	3.27	1.26	0.18	3.08	10.02	6.89	3.17	5.37	1.83	......	......	......
1897-1901.	......	......	......	......	......	......	......	......	......	......	......	......	......
1902.	0.27	5.49	3.29	1.44	3.71	5.70	8.68	4.43	9.03	7.77	1.77	2.44	54.02
1903.	5.22	5.40	5.85	0.16	1.98	5.63	6.61	4.85	8.84	1.42	4.69	1.40	52.05
1904.	4.09	2.73	0.96	2.42	3.82	10.35	7.56	5.96	5.39	11.25	2.90	1.46	58.89
1905.	0.60	0.61	3.51	3.01	6.99	4.48	13.70	12.72	5.66	3.86	0.19	10.28	65.61

AVON PARK, DESOTO COUNTY, FLA.—Continued.

Elevation, 150 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1906.	4.54	3.14	1.96	0.98	4.44	9.36	7.91	9.56	1.28	0.94	0.05	0.18	44.34
1907.	0.36	0.30	0.24	1.27	7.72	9.43	8.50	7.08	4.59	3.83	0.97	2.91	47.20
1908.	3.14	0.92	0.02	1.73	3.01	5.98	4.92	7.32	10.30	1.62	2.48	1.02	42.46
1909.	0.37	2.05	2.03	2.84	6.45	13.24	12.95	13.91	2.42	0.79	0.96	1.58	59.59
1910.	0.70	1.98	2.40	0.61	5.48	14.37	9.04	8.32	2.26	12.49	0.31	0.62	58.58
1911.	0.55	T.	1.85	1.92	4.54	6.93	8.01	3.93	2.06	4.79	1.90	2.02	38.50
1912.	5.24	1.97	......	......	......	16.91	2.90	4.98	7.93	3.29	1.27	0.74	......
Mns	2.24	2.56	2.15	1.79	4.79	9.70	7.92	7.16	5.89	4.38	1.69	2.01	52.28

ARCADIA, DESOTO COUNTY, FLA.

Elevation, 61 feet.

1899.	......	......	......	......	......	......	......	......	......	......	0.40	1.93	......
1900.	2.70	3.80	8.05	3.58	1.89	5.08	9.23	6.27	4.80	0.16	1.14	1.26	47.90
1901.	1.08	1.49	3.37	2.50	3.88	10.87	10.86	12.53	4.23	0.26	0.19	3.64	54.90
1902.	0.22	5.66	1.46	0.29	0.57	9.12	5.19	2.87	6.32	5.72	2.44	2.26	42.12
1903.	4.65	5.54	5.24	0.12	1.55	5.46	10.28	9.65	12.67	0.34	2.83	2.14	60.47
1904.	4.96	1.03	2.79	0.60	4.16	8.79	8.56	7.85	4.51	7.62	2.95	1.10	54.92
1905.	0.22	1.09	5.47	3.60	4.92	3.98	16.39	10.04	4.25	1.49	0.69	6.85	58.99
1906.	3.58	2.60	3.03	0.89	1.86	......	......	......	......	......	......	......	......
1907.	......	......	......	......	......	8.17	7.02	9.31	7.57	1.45	2.14	2.16	......
1908.	1.94	1.48	1.79	1.02	2.48	8.03	5.26	18.24	15.67	5.87	1.29	0.55	63.62
1909.	1.06	0.73	1.53	2.76	7.58	7.90	9.34	11.75	2.05	1.96	0.13	1.85	48.64
1910.	0.97	1.45	0.80	0.24	7.88	6.65	7.79	7.26	6.21	13.16	0.58	0.64	53.63
1911.	0.23	0.10	1.45	1.43	4.55	4.79	5.20	7.17	2.44	5.57	1.44	1.47	35.84
1912.	4.53	2.21	3.44	0.84	7.84	16.49	3.31	5.57	6.95	5.17	1.13	1.15	58.63
Mns	2.17	2.27	3.20	1.49	4.10	7.95	8.21	9.04	6.47	4.06	1.33	2.07	52.36

The values prior to June, 1907, are for Nocatee, 5 miles southwest of Arcadia.

CLERMONT, LAKE COUNTY, FLA.

Elevation, 105 feet.

1892.	......	......	......	......	......	......	......	10.67	5.88	2.80	0.47	2.28	......
1893.	1.47	4.87	4.79	0.68	4.91	8.74	8.68	5.23	4.78	1.72	2.48	5.53	53.88
1894.	1.92	1.82	0.59	0.29	1.37	5.90	7.68	10.64	19.78	3.96	1.67	1.22	56.84
1895.	4.07	3.06	1.28	5.14	3.73	3.23	7.73	5.36	2.40	2.97	1.53	1.31	41.84
1896.	4.77	3.95	1.37	0.10	2.12	7.36	6.17	4.29	3.90	1.05	1.81	1.07	37.96
1897.	1.52	5.44	0.45	2.01	0.85	4.05	7.82	7.44	8.48	5.40	1.18	2.52	47.16
1898.	0.30	0.81	0.99	0.49	1.29	2.53	7.44	13.48	2.01	5.27	1.30	3.75	39.66
1899.	5.27	7.65	0.85	2.66	2.29	5.59	6.63	11.73	6.23	5.75	0.40	1.35	56.40
1900.	2.33	3.60	2.40	2.25	4.60	10.62	7.45	4.63	3.13	4.63	0.10	5.15	50.89
1901.	1.03	2.44	3.20	2.20	5.87	7.51	4.52	7.78	11.20	0.40	0.50	0.73	47.38
1902.	1.42	7.29	3.61	1.67	1.00	2.50	4.64	6.47	8.79	3.78	1.38	1.45	44.00
1903.	5.79	5.55	4.83	0.02	2.47	8.15	8.04	6.84	6.39	0.95	2.05	0.83	51.91
1904.	5.73	2.97	2.13	0.97	1.24	12.73	3.30	7.61	5.90	5.01	2.27	1.23	50.19
1905.	0.27	2.40	2.84	2.10	2.88	5.86	5.03	10.91	15.61	0.88	0.03	6.64	55.45
1906.	5.57	0.85	2.62	0.50	11.23	9.89	7.61	4.43	2.19	0.86	0.25	0.18	46.18
1907.	0.05	0.62	T.	1.68	5.57	8.40	12.27	5.81	6.59	0.95	0.53	7.28	49.75
1908.	2.43	0.92	0.03	11.35	2.05	2.11	3.51	7.48	16.02	1.44	1.68	0.76	49.78
1909.	1.60	3.58	0.45	2.53	3.94	12.11	17.01	8.89	2.33	0.20	1.05	0.84	54.53
1910.	0.80	3.76	1.76	0.44	6.45	6.89	10.80	11.95	1.56	13.56	2.28	1.05	61.30
1911.	0.70	0.00	1.43	0.35	2.68	6.24	7.90	7.43	3.11	3.50	4.63	3.96	41.93
1912.	7.82	1.16	4.00	2.19	8.25	15.42	5.68	3.85	7.60	4.58	2.50	0.63	63.68
Mns	2.75	3.14	1.96	1.98	3.74	7.29	7.49	7.75	6.81	3.31	1.45	2.37	50.02

EUSTIS, LAKE COUNTY, FLA.

Elevation, 56 feet.

1890.	......	......	......	......	......	......	......	......	......	......	1.94	1.57	......
1891.	1.69	1.20	5.76	3.46	2.25	5.55	5.67	4.28	8.22	3.49	1.73	3.14	46.44
1892.	3.31	0.95	1.25	1.67	2.34	5.67	2.76	9.00	8.07	1.91	0.33	4.26	41.52
1893.	2.24	4.81	3.26	0.84	2.33	7.47	2.92	3.22	6.11	4.55	3.13	4.03	44.91
1894.	2.32	0.98	0.88	1.10	1.69	6.19	5.46	4.08	13.49	3.76	2.66	1.41	44.02
1895.	3.38	2.85	1.94	3.41	4.97	3.79	7.26	8.09	6.74	1.05	2.10	1.19	46.77
1896.	7.27	2.67	1.13	0.26	2.45	7.79	6.79	6.78	2.97	0.84	2.59	1.82	43.36
1897.	2.53	7.30	1.34	1.52	1.84	6.33	6.21	7.36	12.72	5.43	1.22	1.72	55.52
1898.	1.08	1.43	0.64	0.47	1.92	5.94	10.16	10.95	7.18	4.54	1.77	2.38	48.46
1899.	5.15	9.60	1.18	4.19	0.79	7.22	13.55	6.02	6.20	2.32	0.35	1.28	58.76
1900.	2.75	4.26	6.14	5.86	4.25	8.78	7.98	4.43	3.74	4.84	0.72	2.88	56.63
1901.	1.42	2.52	4.77	0.92	5.97	5.35	5.93	13.00	13.75	1.01	0.89	1.94	57.47
1902.	0.51	4.37	4.56	1.79	3.55	5.31	2.10	2.47	8.18	6.28	1.30	1.96	42.38
1903.	6.09	5.72	4.29	0.44	6.06	7.60	5.73	4.39	6.96	0.43	1.54	1.30	50.55
1904.	5.93	2.35	0.36	3.88	1.69	6.20	6.07	5.84	5.79	3.20	2.02	1.26	44.59
1905.	0.40	1.63	4.37	2.45	3.30	4.49	2.62	14.10	5.34	0.91	0.38	5.65	45.64
1906.	5.57	0.76	3.39	1.21	5.53	7.24	7.52	6.08	3.01	1.61	0.46	0.34	42.72
1907.	0.10	1.93	0.09	2.05	4.16	5.47	9.25	6.78	4.20	0.89	0.80	5.12	40.84
1908.	1.67	2.34	0.02	5.99	2.17	4.39	5.01	5.73	11.39	1.88	1.52	0.87	42.98
1909.	2.29	2.10	3.89	1.76	4.29	8.96	20.00	8.08	0.94	0.20	0.73	1.52	54.76
1910.	0.60	3.07	1.38	0.63	3.17	9.63	12.73	7.09	0.53	10.14	1.30	0.77	51.04
1911.	1.73	T.	1.63	0.63	5.02	2.09	5.80	7.76	1.97	4.01	3.59	3.72	37.95
1912.	7.08	1.40	4.39	2.06	6.51	14.15	5.71	4.26	8.44	3.95	1.99	1.61	61.55
Mns	2.96	2.92	2.58	2.12	3.46	6.62	7.15	6.81	6.64	3.10	1.52	2.25	48.13

FORT MEADE, POLK COUNTY, FLA.

Elevation, 125 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1851.	......	......	......	......	3.00	8.67	5.73	6.47	7.67	2.04	1.23	2.37	......
1852.	0.69	0.27	2.08	2.13	2.31	11.71	11.41	6.35	6.60	1.32	0.15	1.32	46.34
1853.	......	......	......	......	......	......	......	......	......	......	......	......	......
1854.	1.30	2.21	1.85	3.19	10.57	7.24	8.55	10.20	2.99	2.34	0.02	1.82	52.28
1855-1884.	......	......	......	......	......	......	......	......	......	......	......	......	......
1885.	......	......	......	......	......	......	......	......	......	......	0.00	0.75	......
1886.	0.75	0.25	5.25	4.10	2.20	6.80	16.00	10.50	5.40	2.54	0.40	2.30	56.49
1887.	1.24	0.65	1.20	2.15	1.65	8.08	6.75	4.25	6.27	4.00	1.96	2.50	40.70
1888.	T.	5.18	2.32	0.60	5.95	4.08	10.17	7.00	8.07	2.06	3.71	9.56	58.70
1889.	8.25	4.29	1.50	1.47	0.82	9.71	5.26	5.78	5.58	0.20	0.50	0.00	43.36
1890.	0.00	1.35	4.90	0.25	9.60	3.94	6.81	7.39	14.83	5.00	3.38	1.75	59.20
1891.	1.17	1.00	3.24	3.29	1.03	7.12	6.73	*5.95	16.00	9.58	1.33	0.65	57.09
1892.	1.25	1.87	0.80	0.82	2.65	9.96	3.41	12.96	7.12	4.11	T.	1.15	46.10
1893.	1.58	2.10	3.58	0.75	7.14	13.12	6.72	6.93	7.56	2.18	2.67	3.07	57.40
1894.	0.97	3.16	1.04	0.24	1.23	14.32	5.90	7.12	14.65	2.77	1.18	1.41	53.99
1895.	2.17	3.66	1.81	7.64	5.99	5.41	4.63	7.05	2.01	2.98	2.85	1.07	47.27
1896.	3.26	1.73	0.90	0.03	4.60	13.30	11.32	3.54	5.42	2.42	1.27	2.84	50.63
1897.	1.31	2.59	0.59	3.57	5.50	6.02	11.81	8.40	16.36	2.48	0.97	1.68	61.28
1898.	0.42	0.57	1.60	0.57	0.73	8.64	7.82	9.68	8.30	3.87	2.09	1.97	46.26
1899.	4.67	5.39	1.00	3.42	1.54	6.83	8.49	3.88	10.45	7.75	0.98	1.50	55.90
1900.	5.25	1.70	9.50	3.57	4.93	17.94	11.80	16.05	10.50	4.31	2.23	5.85	93.63
1901.	1.16	2.01	3.78	2.05	4.40	16.27	11.35	19.60	11.90	1.15	0.60	2.95	77.22
1902.	0.56	6.95	3.28	1.50	3.70	9.90	9.56	6.51	10.47	9.37	2.40	2.68	66.88
1903.	9.14	6.12	8.61	0.91	5.42	4.03	8.46	10.86	19.04	0.79	2.50	2.24	78.12
1904.	5.56	6.91	1.67	2.98	1.03	13.88	9.69	15.17	5.64	10.45	3.22	0.66	76.86
1905.	2.25	0.46	6.03	2.71	10.11	9.99	13.75	17.90	13.17	1.08	0.00	8.74	86.19
1906.	4.13	3.17	6.58	1.46	4.08	11.73	10.59	17.53	4.34	1.90	0.08	T.	65.59
1907.	0.08	0.46	T.	0.72	15.58	5.99	10.91	6.20	6.84	2.46	1.11	2.96	53.31
1908.	3.20	1.59	0.33	1.80	2.09	6.60	5.73	9.83	11.20	2.18	1.84	0.18	46.57
1909.	0.89	1.38	1.90	1.62	6.40	12.18	14.68	12.94	3.94	2.48	0.39	2.20	61.00
1910.	0.92	2.99	1.47	0.20	1.80	9.68	8.14	7.14	1.06	13.60	1.23	0.25	48.48
1911.	0.83	T.	0.87	1.43	4.14	5.54	8.89	7.08	3.16	5.50	4.18	1.80	43.42
1912.	8.33	1.75	1.81	1.07	6.15	22.70	10.92	3.53	10.41	5.22	1.60	1.38	74.87
Mns	2.46	2.47	2.74	1.94	4.55	9.71	9.06	9.13	8.56	3.93	1.48	2.24	58.27

* Amount at Homeland, 4½ miles north of Fort Meade.

SANFORD, ORANGE COUNTY, FLA.

Elevation, 25 feet.

1883.	1.50	0.00	1.50	8.44	2.41	8.57	3.14	6.74	3.43	8.38	0.35	0.15	44.61
1884.	0.91	4.40	0.94	1.90	1.62	9.57	5.57	11.09	3.83	3.02	1.45	2.51	46.81
1885.	3.00	3.96	4.60	1.52	4.99	5.89	5.52	6.75	10.73	7.48	0.29	1.85	56.58
1886.	4.77	1.18	8.17	6.60	0.89	11.08	10.21	4.12	5.01	8.75	0.79	3.20	64.77
1887.	1.32	1.10	2.22	3.19	3.22	6.12	......	......	......	......	......	......	......
Mns	2.30	2.13	3.49	4.33	2.63	8.25	6.11	7.18	5.75	6.91	0.72	1.93	51.73

PLANT CITY, HILLSBORO COUNTY, FLA.

Elevation, 121 feet.

1892.	......	......	......	......	......	......	......	......	......	2.88	0.61	2.32	......
1893.	1.95	3.10	4.40	2.37	7.18	9.89	5.43	11.10	8.11	1.83	2.58	1.56	59.50
1894.	2.35	1.98	1.33	0.34	2.86	7.81	6.55	9.51	18.43	3.80	0.97	1.82	57.75
1895.	3.03	3.44	1.05	5.05	5.37	3.53	12.61	8.75	3.41	2.61	2.17	1.79	52.81
1896.	3.37	3.63	1.98	1.68	2.02	16.44	8.61	6.94	7.76	2.31	0.94	0.80	56.48
1897.	0.87	5.40	1.61	4.14	2.63	5.18	10.85	7.86	8.48	3.97	1.26	2.24	54.49
1898.	0.58	0.47	9.52	0.32	0.72	3.08	8.95	15.06	5.97	6.43	1.97	3.24	47.31
1899.	5.17	8.87	0.88	5.70	1.00	11.57	10.36	5.59	6.19	3.82	0.46	1.65	61.26
1900.	4.39	3.86	7.30	4.52	7.56	10.24	5.83	6.60	6.45	4.10	1.69	3.87	65.51
1901.	1.07	2.74	3.83	1.37	6.69	10.95	6.76	12.05	8.90	0.50	0.30	1.81	56.97
1902.	0.29	4.78	1.16	0.60	1.37	6.34	4.84	1.87	10.59	4.72	1.28	1.40	39.24
1903.	5.78	4.91	6.61	0.72	4.91	7.75	9.24	7.00	9.20	0.95	2.35	1.20	60.62
1904.	1.20	4.52	0.76	1.55	3.95	8.55	4.50	7.18	4.95	4.13	3.39	1.66	46.34
1905.	T.	1.23	2.83	2.13	9.10	8.38	14.08	13.48	8.54	1.96	0.00	7.62	69.35
1906.	4.72	1.93	2.61	1.70	7.48	7.31	13.08	15.69	2.54	2.42	0.40	0.05	59.93
1907.	0.28	0.70	0.00	1.14	8.72	12.91	6.41	10.29	10.79	0.21	0.70	6.06	58.21
1908.	4.27	1.85	0.00	1.58	0.82	4.65	4.43	13.92	5.23	0.94	2.80	0.00	40.49
1909.	1.43	0.76	2.80	1.35	2.91	4.95	7.09	11.56	0.75	0.62	0.52	1.62	36.36
1910.	1.22	4.36	1.87	1.17	3.88	13.43	15.62	10.99	3.10	9.18	0.95	0.84	66.61
1911.	1.20	0.00	1.95	0.20	2.99	3.81	8.96	11.23	1.50	4.88	3.03	2.70	42.45
1912.	6.70	2.12	3.90	1.99	4.62	12.62	3.97	3.62	13.38	3.73	2.65	0.90	60.20
Mns	2.49	3.03	2.37	1.98	4.34	8.47	8.41	9.51	7.21	3.14	1.48	2.15	54.58

KISSIMMEE, OSCEOLA COUNTY, FLA.

Elevation, 65 feet.

1888.	......	......	......	......	......	......	......	......	......	......	6.24	6.36	......
1889.	7.53	5.45	1.74	1.47	1.75	7.74	7.04	13.03	4.52	......	......	......	......
1890-1891.	......	......	......	......	......	......	......	......	......	......	......	......	......
1892.	......	......	......	0.41	2.34	......	2.84	5.61	13.06	......	......	......	......
1893.	1.66	3.67	1.89	1.70	4.51	12.47	5.49	5.87	4.65	6.42	2.29	1.56	52.18
1894.	2.29	1.40	0.74	1.37	3.75	5.91	5.15	8.76	16.20	4.51	0.82	2.54	53.44
1895.	0.70	3.34	1.40	7.82	3.56	1.20	7.30	5.53	7.50	5.40	5.10	0.48	49.63
1896.	4.79	7.31	0.98	0.24	1.51	12.57	9.24	4.17	6.82	3.78	3.23	2.36	57.00
1897.	0.18	6.82	0.28	2.75	4.26	5.44	5.70	4.63	15.20	3.00	0.50	2.94	51.70
1898.	0.23	1.12	0.00	0.12	0.35	5.75	7.90	11.41	4.52	5.17	0.88	3.02	40.47
1899.	5.72	11.53	1.68	3.06	1.60	3.06	8.37	11.06	7.03	15.98	0.23	1.60	70.92
1900.	4.82	2.65	6.07	3.02	5.84	8.18	5.66	3.23	4.50	4.83	1.62	5.09	55.51

FORT MYERS, LEE COUNTY, FLA.—Continued.

Elevation, 12 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888.	0.10	4.25	1.10	2.00	5.35	11.36	5.95	8.34	11.82	5.46	4.56	2.60	62.89
1889.	5.31	1.87	2.38	1.75	1.49	11.81	7.69	11.78	10.51	0.58	1.03	0.16	56.36
1890.	0.24	0.69	1.17	0.39	8.17	7.23	6.47	8.51	10.19	3.21	2.15	0.54	48.96
1891.	2.85	0.88	0.50	3.14	1.19	6.26	8.34	9.90	......	4.44	2.00	0.50	......
1892.	0.40	0.75	2.30	4.44	5.32	12.23	7.57	6.62	13.66	4.64	1.45	1.73	61.11
1893.	2.42	0.74	1.66	3.32	5.63	10.11	5.17	6.63	6.70	1.64	2.03	1.69	47.74
1894.	0.68	1.55	1.07	1.30	1.47	15.55	5.15	8.70	9.89	4.58	0.97	0.24	51.15
1895.	2.06	5.82	1.41	4.52	3.96	3.68	6.46	9.60	7.79	2.23	0.79	1.76	50.08
1896.	2.53	2.24	2.17	0.32	9.02	20.90	9.04	2.90	11.12	4.72	1.26	3.43	69.65
1897.	2.26	3.48	1.09	7.26	2.50	5.80	14.82	5.65	10.45	2.07	0.73	1.06	57.17
1898.	0.05	0.02	0.46	0.37	3.53	2.83	8.16	11.62	10.73	4.99	1.29	3.12	47.17
1899.	5.21	8.77	1.23	1.74	1.15	5.93	12.08	6.72	2.31	2.58	0.94	0.58	49.24
1900.	3.17	3.99	4.12	2.87	4.65	7.12	9.63	9.77	8.29	10.33	1.91	2.78	68.63
1901.	0.50	0.72	2.67	1.89	2.30	20.28	5.23	12.41	6.86	0.78	0.52	1.62	55.78
1902.	0.52	6.79	0.18	1.03	1.23	8.63	4.60	3.97	6.60	7.46	0.96	2.93	44.90
1903.	4.76	3.37	7.78	T.	0.71	10.45	11.40	5.50	4.15	1.62	2.02	1.61	53.37
1904.	3.12	2.00	1.90	1.10	3.57	14.86	5.60	6.30	3.07	1.78	1.93	0.83	46.06
1905.	0.50	0.10	0.18	4.83	3.97	5.97	13.90	10.52	9.09	1.51	0.06	6.21	56.84
1906	2.02	2.18	2.84	0.21	6.12	11.00	9.69	12.02	3 39	2.41	0.32	0.02	52.22
1907.	1.30	0.68	0.08	0.57	6.46	6.76	6.70	7.86	4.97	0.55	0.94	2.12	38.99
1908.	1.66	0.94	0.55	1.31	4.25	7.41	6.43	9.14	12.91	3.14	0.33	0.46	48.53
1909.	1.13	0.52	0.17	4.48	4.35	10.12	5.76	14.59	5.07	3.88	0.38	1.10	51.55
1910.	1.64	1.32	0.73	0.62	2.90	8.20	9.27	10.73	6.89	13.26	0.89	0.34	56.79
1911.	0.46	T.	0.68	3.06	8.49	8.77	4.05	11.19	5.87	4.62	1.53	0.37	49.09
1912.	1.93	2.93	4.35	0.20	8.55	26.91	8.42	4.52	9.06	5.43	1.32	1.03	74.65
Mns	2.20	2.22	2.08	2.26	3.94	9.42	8.14	8.18	7.77	3.36	1.26	1.68	52.51

The values from September, 1871, to May, 1883, inclusive, are for Punta Rassa, 13¼ miles southwest; and from June, 1886, to August, 1891, inclusive, are for Alva, 17 miles northeast of Fort Myers.

INVERNESS, CITRUS COUNTY, FLA.

Elevation, 43 feet.

1899.	......	6.65	0.82	3.66	1.47	7.97	10.08	7.22	2.95	2.46	0.33	1.84	......
1900.	**2.94**	4.59	6.33	6.43	4.54	5.86	6.39	4.17	3.68	3.19	0.62	3.61	52.35
1901.	1.67	4.72	6.45	1.74	3.29	10.63	8.75	14.32	4.12	2.31	1.26	3.99	63.25
1902.	0.46	5.25	4.95	1.34	5.58	1.93	3.09	4.11	13.82	3.45	2.68	1.36	48.02
1903.	5.73	5.08	5.72	0.10	3.60	3.86	12.67	10.27	4.43	0.85	0.94	1.55	54.80
1904.	5.74	1.43	0.34	1.35	0.89	8.91	8.95	7.18	3.78	3.28	2.21	1.18	45.24
1905.	0.75	3.01	3.08	2.21	5.39	7.65	19.67	10.56	9.48	0.36	0.57	5.39	68.12
1906.	3.74	0.81	3.56	3.79	4.50	6.88	14.87	5.95	3.22	0.83	0.60	0.11	48.86
1907.	0.45	2.48	0.03	1.50	**4.66**	**4.77**	8.28	5.06	9.40	0.59	1.06	4.07	42.35
1908.	2.95	1.64	0.47	1.37	1.42	8.01	5.10	7.73	11.03	1.22	4.14	1.20	46.28
1909.	1.45	1.80	**1.13**	1.56	5.42	4.36	22.57	9.05	0.96	1.63	0.22	2.83	52.98
1910.	1.18	3.79	0.70	0.24	3.81	9.39	13.86	9.75	1.06	3.32	1.98	0.89	49.97
1911.	2.00	0.00	2.25	1.71	8.51	3.11	10.00	4.64	3.15	4.05	4.24	4.57	48.23
1912.	5.84	2.01	2.87	1.62	6.80	7.16	4.72	8.42	11.12	3.73	3.92	2.87	61.08
Mns	2.68	3.09	2.77	2.05	4.27	6.46	10.64	7.74	5.87	2.24	1.77	2.53	52.11

ST. LEO, PASCO COUNTY, FLA.

Elevation, 140 feet.

1895.	......	......	......	6.32	6.28	3.14	12.94	7.55	3.73	3.71	2.18	1.60	......
1896.	3.90	3.03	2.05	0.23	3.11	17.92	8.63	10.20	4.09	1.89	2.51	1.26	58.82
1897.	1.60	6.92	1.04	3.68	3.10	6.47	11.33	8.08	10.02	3.35	1.07	2.89	59.55
1898.	0.48	1.18	0.47	0.65	1.75	9.07	6.85	20.16	3.38	6.05	1.20	4.64	55.88
1899.	8.71	9.71	3.40	3.08	1.38	9.88	**10.19**	6.70	**5.91**	**4.36**	0.75	1.80	65.87
1900.	4.45	5.98	10.05	4.85	5.67	14.13	8.98	8.66	7.15	4.55	0.55	7.80	82.82
1901.	2.75	**3.74**	4.45	1.80	1.45	10.15	13.35	19.75	10.98	0.55	1.80	**2.24**	73.01
1902.	0.65	4.77	2.34	1.18	1.93	5.83	3.34	6.93	11.48	3.38	2.23	1.46	45.52
1903.	7.37	5.72	7.59	0.11	3.12	5.30	7.25	6.32	7.39	**0.44**	2.93	1.32	54.86
1904.	6.15	1.96	0.19	1.50	1.51	10.55	7.99	10.45	3.46	2.51	2.30	2.12	50.69
1905.	0.51	1.76	2.68	3.01	8.64	6.97	9.48	16.26	7.15	0.45	0.28	5.13	62.32
1906.	6.10	1.64	2.14	0.74	6.85	10.02	15.19	8.58	6.93	1.01	0.70	0.13	60.03
1907.	0.34	1.09	T.	1.66	5.32	8.47	5.14	7.17	9.08	0.30	2.00	5.99	46.56
1908.	2.38	1.29	0.10	1.73	2.20	10.12	5.22	5.83	8.78	1.63	2.18	0.23	41.69
1909.	1.75	2.17	1.53	1.71	8.04	10.10	14.17	7.33	2.58	0.62	0.61	2.66	53.27
1910.	1.60	3.29	1.68	0.72	1.79	13.91	8.05	7.64	2.10	9.66	2.54	0.80	53.78
1911.	0.91	0.01	1.99	0.20	4.23	6.68	12.17	11.06	2.24	5.64	5.84	3.98	54.95
1912.	7.55	1.99	3.00	1.10	5.16	9.46	5.41	4.38	16.81	5.72	2.60	0.92	64.10
Mns	3.36	3.31	2.63	1.90	3.97	9.35	9.21	9.61	6.85	3.10	1.90	2.61	57.80

The values from April, 1895, to December, 1901, inclusive, are for Earnestville, only a short distance from St. Leo.

TARPON SPRINGS, PINELLAS COUNTY, FLA.

Elevation, 20 feet.

1891.	2.30	**2.13**	2.76	3.53	0.18	5.92	5.19	6.89	3.66	1.51	1.98	1.49	37.54
1892.	3.57	1.69	1.99	0.34	1.53	7.85	5.94	13.56	8.15	2.35	0.58	2.25	49.80
1893.	3.84	3.82	5.05	0.65	1.64	10.72	4.72	5.24	6.50	1.32	1.93	2.64	48.07
1894.	3.03	1.92	2.03	0.75	4.40	8.67	7.43	10.36	11.35	2.81	1.93	0.87	55.55
1895.	3.65	3.52	1.05	5.50	2.75	3.26	6.18	9.36	5.98	2.35	2.66	0.74	47.00
1896.	4.58	3.09	1.45	T.	2.12	8.97	8.49	7.66	4.41	0.83	5.18	1.68	48.46
1897.	1.33	2.13	1.23	2.22	0.32	3.16	10.55	7.87	9.15	2.54	1.50	2.48	44.48
1898.	0.18	1.50	0.26	0.30	0.41	5.82	12.77	16.05	13.12	4.57	1.07	5.15	61.20
1899.	4.46	9.79	1.04	4.24	0.13	8.29	18.46	2.02	5.52	1.15	0.55	2.36	58.01
1900.	3.12	4.69	8.18	3.52	5.03	13.47	13.29	7.59	3.76	3.93	0.40	......	......
1901.	......	......	5.10	......	......	......	......	**1.12**	7.90	2.86	1.54	1.29	......

TARPON SPRINGS, PINELLAS COUNTY, FLA.—Continued.

Elevation, 20 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902.	0.60	4.54	4.04	1.79	1.11	2.82	7.30	4.78	4.97	2.04	2.24	3.42	39.65
1903.	5.23	6.52	6.65	0.18	2.10	5.45	4.46	8.15	10.40	0.34	2.57	1.74	53.79
1904.	5.09	2.06	1.52	1.14	0.66	2.21	4.80	13.51	6.26	1.06	2.66	2.37	43.34
1905.	0.34	2.11	2.12	2.75	1.20	5.72	10.88	16.80	6.24	0.25	0.21	4.34	52.96
1906	4.78	2.03	2.71	0.54	4.08	8.49	11.73	20.99	2.79	3.54	1.13	0.25	63.06
1907.	0.30	1.59	0.00	1.33	2.38	5.25	6.17	5.74	8.66	0.73	1.16	5.34	38.65
1908.	3.02	1.46	0.04	1.09	0.73	6.94	7.00	7.75	6.58	2.38	2.88	0.34	40.21
1909.	2.08	1.50	1.21	1.32	2.74	18.10	17.03	9.97	4.28	1.06	0.23	2.26	61.78
1910.	1.41	2.51	0.93	0.23	4.18	6.13	7.73	12.68	1.97	5.86	1.79	1.18	46.60
1911.	0.82	0.06	1.65	0.55	5.89	4.66	5.91	14.31	14.27	10.33	4.27	3.84	66.56
1912.	5.91	1.92	2.22	1.40	3.02	13.21	6.66	6.39	12 42	6.41	2.93	1.24	63.73
Mns	2.84	2.88	2.42	1.59	2.22	7.39	8.70	9.90	7.20	2.74	1.88	2.25	52.01

SOUTHERN INTERIOR GROUP.

ORLANDO, ORANGE COUNTY, FLA.

Elevation, 111 feet.

1892.	1.72	2.00	1.29	0.60	2.67	4.37	1.63	9.05	9.12	4.66	**0.07**	2.03	39.21
1893.	2.09	1.51	2.15	**1.51**	5.31	8.90	3.74	6.34	5.77	9.02	2.67	1.89	50.90
1894.	1.86	0.98	0.88	1.14	3.39	7.86	7.02	7.61	**14.95**	4.70	3.22	0.56	54.17
1895.	1.29	3.11	1.70	5.15	7.31	3.21	4.36	4.78	4.27	3.78	1.57	1.78	42.31
1896.	5.03	2.95	1.39	0.00	2.71	11.18	10.66	5.24	3.88	1.07	3.53	1.95	49.59
1897.	1.16	3.99	0.38	2.83	1.25	6.53	9.26	4.32	15.77	3.55	1.91	2.62	53.57
1898.	0.64	1.26	0.54	0.15	1.19	1.13	7.31	10.93	3.43	5.55	1.09	3.68	36.90
1899.	5.04	8.71	0.96	3.61	0.96	4.15	7.01	6.28	7.77	9.22	0.12	0.93	54.76
1900.	3.32	2.45	6.92	3.39	4.72	7.62	10.83	7.41	5.53	6.78	1.51	3.36	63.85
1901.	1.07	3.27	3.89	2.47	2.15	11.81	4 28	13.18	11.12	2.20	0.54	1.28	57.26
1902.	1.25	4.50	1.81	2.27	1.52	6.94	5.43	3.53	13.66	4.90	0.52	1.35	47.68
1903.	5.69	**5.48**	8.37	**0.51**	3.59	11.05	8.41	3.68	8.08	1.69	2.71	1.00	60.26
1904.	4.02	2.45	1.09	2.20	2.16	**9.11**	**6.40**	**6.33**	5.00	8.44	1.80	1.06	50.06
1905.	0.41	2.12	5.13	1.71	8.12	8.13	6.15	17.13	13.11	3.42	0.33	8.43	74.19
1906.	5.03	0.84	2.80	1.27	9.40	11.75	5.65	3.12	1.87	1.39	0.23	0.05	43.40
1907.	0.02	0.10	0.15	2.20	2.75	8.17	9.96	9.20	5.15	1.91	0.29	4.15	44.05
1908.	3.57	1.56	0.25	3.74	5.50	4.84	7.03	7.04	9.91	3.18	2.31	0.68	49.64
1909.	1.31	1.14	1.40	2.17	2.41	3.13	12.71	8.34	3.41	1.30	0.65	0 67	38.64
1910.	1.01	2.69	2.65	0.38	2.87	15.25	9.71	6.36	2.82	11.73	2.80	0.80	59.07
1911.	0.64	0.06	1.29	2.36	3.07	4.94	6.27	5.66	3.71	4.23	4.73	2.65	39.61
1912.	8.54	1.92	2.11	4.30	6.60	12.17	7.48	7.72	9.63	4.97	1.80	1.21	68.45
Mns	2.61	2.05	2.24	2.09	3.79	7.72	7.20	7.30	7.53	4.66	1.64	2.00	50.83

BARTOW, POLK COUNTY, FLA.

Elevation, 115 feet.

1887.	2.60	0.40	1.20	1.30	3.45	12.90	4.20	3.25	2.80	4.65	1.75	2.95	41.45
1888.	0.15	3.95	2.70	0.35	6.05	3.75	4.45	5.60	9.90	3.20	4.25	6.70	51.05
1889.	7.45	4.20	1.20	1.40	1.40	6.55	4.50	5.90	5.65	0.15	0.20	0.00	38.60
1890.	0.00	0.65	1.20	0.35	4.85	4.95	6.75	4.60	21.15	3.00	3.90	1.70	53.10
1891.	0.70	0.80	3.60	2.25	1.65	3.60	7.00	5.95	17.10	6.35	0.50	0.30	49.80
1892.	0.95	1.50	0.70	0.45	2.42	10.37	2.35	8.97	9.01	5.24	0.71	1.48	44.15
1893.	1.27	2.43	2.74	0.98	7.98	10.16	4.71	10.42	6.74	4.07	2.97	1.66	56.13
1894.	1.32	1.79	1.00	0.40	2.13	14.39	5.46	10.13	16.81	3.95	2.18	0.94	60.50
1895.	1.82	3.96	1.37	6.12	5.20	3.79	4.90	8.41	4.25	2.26	2.42	1.21	45.71
1896.	2.52	2.55	1.56	0.00	2.83	9.76	7.39	4.49	5.31	1.38	0.97	2.11	40.87
1897.	1.15	3.31	0.44	4.07	1.80	7.47	14.55	7.40	11.94	2.66	1.16	2.62	58.57
1898.	0.48	0.87	0.66	0.36	2.58	4.27	9.32	8.89	7.88	5.44	2.43	3.04	46.22
1899.	5.03	7.30	1.63	4.22	1.01	5.78	8.43	7.58	10.58	6.51	0.58	1.95	60.60
1900.	4.72	4.26	6.50	3.83	4.28	10.30	7 22	4.76	4.36	2.40	1.61	6.35	60.59
1901.	1.07	3.34	3.56	2.33	2.90	10.84	9.86	12.39	8.87	0.36	1.80	2.01	59.33
1902.	0.23	5.70	2.02	2.77	2.18	6.62	3.97	4.97	10.79	7.16	1.48	1.52	49.41
1903.	6.64	4.87	6.42	0.60	6.21	10.38	9.16	11.64	10.57	0.97	1.49	0.95	69.90
1904.	2.47	4.99	2.14	2.39	1.76	11.76	8.77	6.07	1.76	5.35	3.06	1.23	51.75
1905.	0.35	0.64	4.98	3.20	11.16	2.59	10.79	14.62	6.03	1.82	0.57	8.25	65.00
1906.	5.40	2.41	1.80	2.62	4.82	11.68	5.07	4.73	3.51	1.78	0.28	0.00	44.10
1907.	**0.68**	**1.23**	0.81	T.	6.96	4.75	10.24	8.31	5.93	0.39	1.79	3.59	44.68
1908.	5.19	1.40	0.02	1.96	0.36	7.16	4.93	8.92	13.72	1.67	2.44	1.12	48.89
1909.	0.94	1.29	5.42	0.79	4.45	8.44	13.31	14.38	4.01	1.92	0.80	2.41	58.16
1910.	0.93	2.79	2.19	0.66	2.50	8.97	**10.66**	6.66	2.52	12.55	1.10	0.81	52.34
1911.	1.08	0.00	1.02	0.43	2.32	3.64	10.76	7.87	3.56	3.12	4.75	4.06	42.61
1912.	6.17	1.99	3.88	1.52	6.23	21.62	7.03	2.45	8.09	4.06	1.70	1.35	66.09
Mns	2.36	2.64	2.34	1.74	3.83	8.33	7.53	7.67	8.19	3.55	1.81	2.32	52.31

The values from 1887 to July, 1895, inclusive, are for Homeland, 5 miles south of Bartow.

AVON PARK, DESOTO COUNTY, FLA.

Elevation, 150 feet.

1892.	......	......	......	......	1.17	8.70	6.34	6.40	10.01	4.97	0.23	0.70	......
1893.	1.63	3.25	2.88	1.82	7.69	13.49	6.79	7.26	3.95	2.29	2.58	**3.00**	56.63
1894.	......	......	......	......	......	10.74	10.08	8.96	11.16	4.15	1.79	0.69	......
1895.	1.28	4.74	1.70	4.93	6.97	9.83	5.81	5.76	3.88	4.83	3.31	1.07	54.11
1896.	3.38	3.27	1.26	0.18	3.08	10.02	6.89	3.17	5.37	1.83	......	......	......
1897-1901.	......	......	......	......	......	......	......	......	......	......	......	......	......
1902.	0.27	5.49	3.29	1.44	3.71	5.70	8.68	4.43	9.03	7.77	1.77	2.44	54.02
1903.	5.22	5.40	5.85	0.16	1.98	5.63	6.61	4.85	8.84	1.42	4.69	1.40	52.05
1904.	4.09	2.73	0.96	2.42	3.82	10.35	7.56	5.96	5 39	11.25	2.90	1.46	58.89
1905.	0.60	0.61	3.51	3.01	6.99	4.48	13.70	12.72	5.66	3.86	0.19	10.28	65.61

AVON PARK. DESOTO COUNTY. FLA.—Continued.

Elevation, 150 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1906.	4.54	3.14	1.96	0.98	4.44	9.36	7.91	9.56	1.28	0.94	0.05	0.18	44.34
1907.	0.36	0.30	0.24	1.27	7.72	9.43	8.50	7.08	4.59	3.83	0.97	2.91	47.20
1908.	3.14	0.92	0.02	1.73	3.01	5.98	4.92	7.32	10.30	1.62	2.48	1.02	42.46
1909.	0.37	2.05	2.03	2.84	6.45	13.24	12.95	13.91	2.42	0.79	0.96	1.58	59.59
1910.	0.70	1.98	2.40	0.61	5.48	14.37	9.04	8.32	2.26	12.49	0.31	0.62	58.58
1911.	0.55	T.	1.85	1.92	4.54	6.93	8.01	3.93	2.06	4.79	1.90	2.02	38.50
1912.	5.24	1.97	......	......	......	16.91	2.90	4.98	7.93	3.29	1.27	0.74	......
Mns	2.24	2.56	2.15	1.79	4.79	9.70	7.92	7.16	5.89	4.38	1.69	2.01	52.28

ARCADIA. DESOTO COUNTY. FLA.

Elevation. 61 feet.

1899.	......	......	......	......	......	......	......	......	......	......	0.40	1.93	......
1900.	2.70	3.80	8.05	3.58	**1.89**	**5.08**	9.23	6.27	4.80	**0.16**	1.14	**1.26**	47.90
1901.	1.08	1.49	3.37	2.50	3.88	10.87	10.86	12.53	4.23	0.26	0.19	3.64	54.90
1902.	0.22	5.66	1.46	0.29	0.57	9.12	5.19	2.87	6.32	5.72	2.44	2.26	42.12
1903.	4.65	5.54	5.24	**0.12**	1.55	**5.46**	10.28	**9.65**	12.67	0.34	2.83	2.14	60.47
1904.	4.96	1.03	2.79	0.60	4.16	8.79	8.56	**7.85**	**4.51**	7.62	2.95	1.10	54.92
1905.	0.22	1.09	5.47	3.60	4.92	3.98	16.39	10.04	4.25	1.49	0.69	6.85	58.99
1906.	3.58	2.60	3.03	0.89	1.86	......	......	......	......	......	......	......	......
1907.	......	......	......	......	......	8.17	7.02	9.31	7.57	1.45	2.14	2.16	......
1908.	1.94	1.48	1.79	1.02	2.48	8.03	5.26	18.24	15.67	5.87	1.29	0.55	63.62
1909.	1.06	0.73	1.53	2.76	7.58	7.90	9.34	11.75	2.05	1.96	0.13	1.85	48.64
1910.	0.97	1.45	0.80	0.24	7.88	6.65	7.79	7.26	6.21	13.16	0.58	0.64	53.63
1911.	0.23	0.10	1.45	1.43	4.55	4.79	5.20	7.17	2.44	5.57	1.44	1.47	35.84
1912.	4.53	2.21	3.44	0.84	7.84	16.49	3.31	5.57	6.95	5.17	1.13	1.15	58.63
Mns	2.17	2.27	3.20	1.49	4.10	7.95	8.21	9.04	6.47	4.06	1.33	2.07	52.36

The values prior to June. 1907. are for Nocatee. 5 miles southwest of Arcadia.

CLERMONT. LAKE COUNTY. FLA.

Elevation. 105 feet.

1892.	......	......	......	......	......	......	......	10.67	5.88	2.80	0.47	2.28	......
1893.	1.47	4.87	4.79	0.68	4.91	8.74	8.68	5.23	4.78	1.72	2.48	5.53	53.88
1894.	1.92	1.82	0.59	0.29	1.37	5.90	7.68	10.64	19.78	3.96	1.67	1.22	56.84
1895.	4.07	3.06	1.28	5.14	3.73	3.23	7.73	5.36	2.40	2.97	1.53	1.31	41.84
1896.	4.77	3.95	1.37	0.10	2.12	7.36	6.17	4.29	3.90	1.05	1.81	1.07	37.96
1897.	1.52	5.44	0.45	2.01	0.85	4.05	7.82	7.44	8.48	5.40	1.18	2.52	47.16
1898.	0.30	0.81	0.99	0.49	1.29	2.53	7.44	13.48	2.01	5.27	1.30	3.75	39.66
1899.	5.27	7.65	0.85	2.66	2.29	5.59	6.63	11.73	**6.23**	5.75	0.40	1.35	56.40
1900.	2.33	3.60	2.40	2.25	4.60	10.62	7.45	4.63	3.13	4.63	0.10	5.15	50.89
1901.	1.03	2.44	3.20	2.20	5.87	7.51	4.52	7.78	11.20	0.40	0.50	0.73	47.38
1902.	1.42	7.29	3.61	1.67	1.00	2.50	4.64	6.47	8.79	3.78	1.38	1.45	44.00
1903.	5.79	5.55	4.83	0.02	2.47	8.15	8.04	6.84	6.39	0.95	2.05	0.83	51.91
1904.	5.73	2.97	2.13	0.97	1.24	12.73	3.30	7.61	5.90	5.01	2.27	1.23	50.19
1905.	0.27	2.40	2.84	2.10	2.88	5.86	5.03	10.91	15.61	0.88	0.03	6.64	55.45
1906.	5.57	0.85	2.62	0.50	11.23	9.89	7.61	4.43	2.19	0.86	0.25	0.18	46.18
1907.	0.05	0.62	T.	1.68	5.57	8.40	12.27	5.81	6.59	0.95	0.53	7.28	49.75
1908.	2.43	0.92	0.03	11.35	2.05	2.11	3.51	7.48	16.02	1.44	1.68	0.76	49.78
1909.	1.60	3.58	0.45	2.53	3.94	12.11	17.01	8.89	2.33	0.20	1.05	0.84	54.53
1910.	0.80	3.76	**1.76**	0.44	6.45	6.89	10.80	11.95	1.56	13.56	2.28	1.05	61.30
1911.	0.70	0.00	1.43	0.35	2.68	6.24	7.90	7.43	3.11	3.50	4.63	3.96	41.93
1912.	7.82	1.16	4.00	2.19	8.25	15.42	5.68	3.85	7.60	4.58	2.50	**0.63**	63.68
Mns	2.75	3.14	1.96	1.98	3.74	7.29	7.49	7.75	6.81	3.31	1.43	2.37	50.02

EUSTIS. LAKE COUNTY. FLA.

Elevation. 56 feet.

1890.	......	......	......	......	......	......	......	......	......	......	1.94	1.57	......
1891.	1.69	1.20	5.76	3.46	2.25	5.55	5.67	4.28	8.22	3.49	1.73	3.14	46.44
1892.	3.31	0.95	1.25	1.67	2.34	5.67	2.76	9.00	8.07	1.91	0.33	4.26	41.52
1893.	2.24	4.81	3.26	0.84	2.33	7.47	2.92	3.22	6.11	4.55	3.13	4.03	44.91
1894.	2.32	0.98	0.88	1.10	1.69	6.19	5.46	4.08	13.49	3.76	2.66	1.41	44.02
1895.	3.38	2.85	1.94	3.41	4.97	3.79	7.26	8.09	6.74	1.05	2.10	1.19	46.77
1896.	7.27	2.67	1.13	0.26	2.45	7.79	6.79	6.78	2.97	0.84	2.59	1.82	43.36
1897.	2.53	7.30	1.34	1.52	1.84	6.33	6.21	7.36	12.72	5.43	1.22	1.72	55.52
1898.	1.08	1.43	0.64	0.47	1.92	5.94	10.16	10.95	7.18	4.54	1.77	2.38	48.46
1899.	5.15	9.60	1.18	4.19	0.79	7.22	13.55	6.02	6.20	2.32	0.35	1.28	58.76
1900.	2.75	4.26	6.14	5.86	4.25	8.78	7.98	4.43	3.74	4.84	0.72	2.88	56.63
1901.	1.42	2.52	4.77	0.92	5.97	5.35	5.93	13.00	13.75	1.01	0.89	1.94	57.47
1902.	0.51	4.37	4.56	1.79	3.55	5.31	2.10	2.47	8.18	6.28	1.30	1.96	42.38
1903.	6.09	5.72	4.29	0.44	6.06	7.60	5.73	4.39	6.96	0.43	1.54	1.30	50.55
1904.	5.93	2.35	0.36	3.88	1.69	6.20	6.07	5.84	5.79	3.20	2.02	1.26	44.59
1905.	0.40	1.63	4.37	2.45	3.30	4.49	2.62	14.10	5.34	0.91	0.38	5.65	45.64
1906.	5.57	0.76	3.39	1.21	5.53	7.24	7.52	6.08	3.01	1.61	0.46	0.34	42.72
1907.	0.10	1.93	0.09	2.05	4.16	5.47	9.25	6.78	4.20	0.89	0.80	5.12	40.84
1908.	1.67	2.34	0.02	5.99	2.17	4.39	5.01	5.73	11.39	1.88	1.52	0.87	42.98
1909.	2.29	2.10	3.89	1.76	4.29	8.96	20.00	8.08	0.94	0.20	0.73	1.52	54.76
1910.	0.60	3.07	1.38	0.63	3.17	9.63	12.73	7.09	0.53	10.14	1.30	0.77	51.04
1911.	1.73	T.	1.63	0.63	5.02	2.09	5.80	7.76	1.97	4.01	3.59	3.72	37.95
1912.	7.08	1.40	4.39	2.06	6.51	14.15	5.71	4.26	8.44	3.95	1.99	1.61	61.55
Mns	2.96	2.92	2.58	2.12	3.46	6.62	7.15	6.81	6.64	3.10	1.52	2.25	48.13

FORT MEADE. POLK COUNTY. FLA.

Elevation, 125 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1851.	......	......	......	......	3.00	8.67	5.73	6.47	7.67	2.04	1.23	2.37	......
1852.	0.69	0.27	2.08	2.13	2.31	11.71	11.41	6.35	6.60	1.32	0.15	1.32	46.34
1853.	......	......	......	......	......	......	......	......	......	......	......	......	......
1854.	1.30	2.21	1.85	3.19	10.57	7.24	8.55	10.20	2.99	2.34	0.02	**1.82**	52.28
1855-1884.	......	......	......	......	......	......	......	......	......	......	......	......	......
1885.	......	......	......	......	......	......	......	......	......	......	0.00	0.75	......
1886.	0.75	0.25	5.25	4.10	2.20	6.80	16.00	10.50	5.40	2.54	0.40	2.30	56.49
1887.	1.24	0.65	1.20	2.15	1.65	8.08	6.75	4.25	6.27	4.00	1.96	2.50	40.70
1888.	T.	5.18	2.32	0.60	5.95	4.08	10.17	7.00	8.07	2.06	3.71	9.56	58.70
1889.	8.25	4.29	1.50	1.47	0.82	9.71	5.26	5.78	5.58	0.20	0.50	0.00	43.36
1890.	0.00	1.35	4.90	0.25	9.60	3.94	6.81	7.39	14.83	5.00	3.38	1.75	59.20
1891.	1.17	1.00	3.24	3.29	1.03	7.12	6.73	*5.95	16.00	9.58	1.33	0.65	57.09
1892.	1.25	1.87	0.80	0.82	2.65	9.96	3.41	12.96	7.12	4.11	T.	1.15	46.10
1893.	1.58	2.10	3.58	0.75	7.14	13.12	6.72	6.93	7.56	2.18	2.67	3.07	57.40
1894.	0.97	3.16	1.04	0.24	1.23	14.32	5.90	7.12	14.65	2.77	1.18	1.41	53.99
1895.	2.17	3.66	1.81	7.64	5.99	5.41	4.63	7.05	2.01	2.98	2.85	1.07	47.27
1896.	3.26	1.73	0.90	0.03	4.60	13.30	11.32	3.54	5.42	2.42	1.27	2.84	50.63
1897.	1.31	2.59	0.59	3.57	5.50	6.02	11.81	8.40	16.36	2.48	0.97	1.68	61.28
1898.	0.42	0.57	1.60	0.57	0.73	8.64	7.82	9.68	8.30	3.87	2.09	1.97	46.26
1899.	4.67	5.39	1.00	3.42	**1.54**	**6.83**	**8.49**	3.88	10.45	7.75	0.98	1.50	55.90
1900.	5.25	1.70	9.50	3.57	4.93	17.94	11.80	16.05	10.50	4.31	2.23	5.85	93.63
1901.	1.16	2.01	**3.78**	2.05	4.40	16.27	11.35	19.60	11.90	1.15	0.60	2.95	77.22
1902.	0.56	6.95	3.28	1.56	3.70	9.90	9.56	6.51	10.47	9.37	2.40	2.68	66.88
1903.	9.14	6.12	8.61	0.91	5.42	4.03	8.46	10.86	19.04	0.79	2.50	2.24	78.12
1904.	5.56	6.91	1.67	2.98	1.03	13.88	9.69	15.17	5.64	10.45	3.22	0.66	76.86
1905.	2.25	0.46	6.03	2.71	10.11	9.99	13.75	17.90	13.17	1.08	0.00	8.74	86.19
1906.	4.13	3.17	6.58	1.46	4.08	11.73	10.59	17.53	**4.34**	**1.90**	0.08	T.	65.59
1907.	0.08	0.46	T.	0.72	15.58	5.99	10.91	6.20	6.84	2.46	1.11	2.96	53.31
1908.	3.20	1.59	0.33	1.80	2.09	6.60	5.73	9.83	11.20	2.18	1.84	0.18	46.57
1909.	0.89	1.38	1.90	1.62	6.40	12.18	14.68	12.94	3.94	2.48	0.39	2.20	61.00
1910.	0.92	2.99	1.47	0.20	1.80	9.68	8.14	7.14	1.06	13.60	1.23	0.25	48.48
1911.	0.83	T.	0.87	1.43	4.14	5.54	8.89	7.08	3.16	5.50	4.18	1.80	43.42
1912.	8.33	1.75	1.81	1.07	6.15	22.70	10.92	3.53	10.41	5.22	1.60	1.38	74.87
Mns	2.46	2.47	2.74	1.94	4.55	9.71	9.06	9.13	8.56	3.93	1.48	2.24	58.27

* Amount at Homeland. 4½ miles north of Fort Meade.

SANFORD, ORANGE COUNTY, FLA.

Elevation. 25 feet.

1883.	1.50	0.00	1.50	8.44	2.41	8.57	3.14	6.74	3.43	8.38	0.35	0.15	44.61
1884.	0.91	4.40	0.94	1.90	1.62	9.57	5.57	11.09	3.83	3.02	1.45	2.51	46.81
1885.	3.00	3.96	4.60	1.52	4.99	5.89	5.52	6.75	10.73	7.48	0.29	1.85	56.58
1886.	4.77	1.18	8.17	6.60	0.89	11.08	10.21	4.12	5.01	8.75	0.79	3.20	64.77
1887.	1.32	1.10	2.22	3.19	3.22	6.12	......	......	......	......	......	......	......
Mns	2.30	2.13	3.49	4.33	2.63	8.25	6.11	7.18	5.75	6.91	0.72	1.93	51.73

PLANT CITY, HILLSBORO COUNTY, FLA.

Elevation. 121 feet.

1892.	......	......	......	......	......	......	......	......	......	2.88	0.61	2.32	......
1893.	1.95	3.10	4.40	2.37	7.18	9.89	5.43	11.10	8.11	1.83	2.58	1.56	59.50
1894.	2.35	1.98	1.33	0.34	2.86	7.81	6.55	9.51	18.43	3.80	0.97	1.82	57.75
1895.	3.03	3.44	1.05	5.05	5.37	3.53	12.61	8.75	3.41	2.61	2.17	1.79	52.81
1896.	3.37	3.63	1.98	1.68	2.02	16.44	8.61	6.94	7.76	2.31	0.94	0.80	56.48
1897.	0.87	5.40	1.61	4.14	2.63	5.18	10.85	7.86	8.48	3.97	1.26	2.24	54.49
1898.	0.58	0.47	0.52	0.32	0.72	3.08	8.95	15.06	5.97	6.43	1.97	3.24	47.31
1899.	5.17	8.87	0.88	5.70	1.00	11.57	10.36	5.59	6.19	3.82	0.46	1.65	61.26
1900.	4.39	3.86	7.30	4.52	7.56	10.24	5.83	6.60	6.45	**4.10**	1.69	3.87	65.51
1901.	1.07	2.74	3.83	1.37	6.69	10.95	6.76	12.05	**8.90**	**0.50**	0.30	1.81	56.97
1902.	0.29	4.78	1.16	0.60	1.37	**6.34**	**4.84**	1.87	10.59	**4.72**	**1.28**	**1.40**	39.24
1903.	**5.78**	4.91	6.61	**0.72**	**4.91**	**7.75**	9.24	7.00	9.20	0.95	2.35	1.20	60.62
1904.	1.20	4.52	**0.76**	1.55	3.95	8.55	4.50	7.18	4.95	4.13	3.39	1.66	46.34
1905.	T.	1.23	2.83	2.13	9.10	8.38	14.08	13.48	8.54	1.96	0.00	7.62	69.35
1906.	4.72	1.93	2.61	1.70	7.48	7.31	13.08	15.69	2.54	2.42	0.40	0.05	59.93
1907.	0.28	0.70	0.00	1.14	8.72	12.91	6.41	10.29	10.79	0.21	0.70	6.06	58.21
1908.	4.27	1.85	0.00	1.58	0.82	4.65	4.43	13.92	5.23	0.94	2.80	0.00	40.49
1909.	1.43	0.76	2.80	1.35	2.91	4.95	7.09	11.56	0.75	0.62	0.52	1.62	36.36
1910.	1.22	4.36	1.87	1.17	3.88	13.43	15.62	10.99	3.10	**9.13**	0.95	0.84	66.61
1911.	1.20	0.00	1.95	0.20	2.99	3.81	8.96	11.23	1.50	4.88	3.03	2.70	42.45
1912.	6.70	2.12	3.90	1.99	4.62	12.62	3.97	3.62	13.38	3.73	2.65	0.90	60.20
Mns	2.49	3.03	2.37	1.98	4.34	8.47	8.41	9.51	7.21	3.14	1.48	2.15	54.58

KISSIMMEE, OSCEOLA COUNTY, FLA.

Elevation. 65 feet.

1888.	......	......	......	......	......	......	......	......	......	......	6.24	6.36	......
1889.	7.53	5.45	1.74	1.47	1.75	7.74	7.04	13.03	4.52	......	......	......	......
1890-1891.	......	......	......	......	......	......	......	......	......	......	......	......	......
1892.	......	......	......	0.41	2.34	......	2.84	5.61	13.06	......	......	......	......
1893.	1.66	3.67	1.89	1.70	4.51	12.47	5.49	5.87	4.65	6.42	2.29	1.56	52.18
1894.	2.29	1.40	0.74	1.37	3.75	5.91	5.15	8.76	16.20	4.51	0.82	2.54	53.44
1895.	0.70	3.34	1.40	7.82	3.86	1.20	7.30	5.53	7.50	5.40	5.10	0.48	49.63
1896.	4.79	7.31	0.98	0.24	1.51	12.57	9.24	4.17	6.82	3.78	3.23	2.36	57.00
1897.	0.18	6.82	0.28	2.75	4.26	5.44	5.70	4.63	15.20	3.00	0.50	2.94	51.70
1898.	0.23	1.12	0.00	0.12	0.35	5.75	7.90	11.41	4.52	5.17	0.88	3.02	40.47
1899.	5.72	11.53	1.68	3.06	1.60	3.06	8.37	11.06	7.03	15.98	0.23	1.60	70.92
1900.	4.82	2.65	6.07	3.02	5.84	8.18	5.66	3.23	4.50	4.83	1.62	5.09	55.51

FORT MYERS, LEE COUNTY, FLA.—Continued.

Elevation, 12 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888.	0.10	4.25	1.10	2.00	5.35	11.36	5.95	8.34	11.82	5.46	4.56	2.60	62.89
1889.	5.31	1.87	2.38	1.75	1.49	11.81	7.69	11.78	10.51	0.58	1.03	0.16	56.36
1890.	0.24	0.69	1.17	0.39	8.17	7.23	6.47	8.51	10.19	3.21	2.15	0.54	48.96
1891.	2.85	0.88	0.50	3.14	1.19	6.26	8.34	9.90	......	4.44	2.00	0.50	......
1892.	0.40	0.75	2.30	4.44	5.32	12.23	7.57	6.62	13.66	4.64	1.45	1.73	61.11
1893.	2.42	0.74	1.66	3.32	5.63	10.11	5.17	6.63	6.70	1.64	2.03	1.69	47.74
1894.	0.68	1.55	1.07	1.30	1.47	15.55	5.15	8.70	9.89	4.58	0.97	0.24	51.15
1895.	2.06	5.82	1.41	4.52	3.96	3.68	6.46	9.60	7.79	2.23	0.79	1.76	50.08
1896.	2.53	2.24	2.17	0.32	9.02	20.90	9.04	2.90	11.12	4.72	1.26	3.43	69.65
1897.	2.26	3.48	1.09	7.26	2.50	5.80	14.82	5.65	10.45	2.07	0.73	1.06	57.17
1898.	0.05	0.02	0.46	0.37	3.53	2.83	8.16	11.62	10.73	4.99	1.29	3.12	47.17
1899.	5.21	8.77	1.23	1.74	1.15	5.93	12.08	6.72	2.31	2.58	0.94	0.58	49.24
1900.	3.17	3.99	4.12	2.87	4.65	7.12	9.63	9.77	8.29	10.33	1.91	2.78	68.63
1901.	0.50	0.72	2.67	1.89	2.30	20.28	5.23	12.41	6.86	0.78	0.52	1.62	55.78
1902.	0.52	6.79	0.18	1.03	1.23	8.63	4.60	3.97	6.60	7.46	0.96	2.93	44.90
1903.	4.76	3.37	7.78	T.	0.71	10.45	11.40	5.50	4.15	1.62	2.02	1.61	53.37
1904.	3.12	2.00	1.90	1.10	3.57	14.86	5.60	6.30	3.07	1.78	1.93	0.83	46.06
1905.	0.50	0.10	0.18	4.83	3.97	5.97	13.90	10.52	9.09	1.51	0.06	6.21	56.84
1906	2.02	2.18	2.84	0.21	6.12	11.00	9.69	12.02	3.39	2.41	0.32	0.02	52.22
1907.	1.30	0.68	0.08	0.57	6.46	6.76	6.70	7.86	4.97	0.55	0.94	2.12	38.99
1908.	1.66	0.94	0.55	1.31	4.25	7.41	6.43	9.14	12.91	3.14	0.33	0.46	48.53
1909.	1.13	0.52	0.17	4.48	4.35	10.12	5.76	14.59	5.07	3.88	0.38	1.10	51.55
1910.	1.64	1.32	0.73	0.62	2.90	8.20	9.27	10.73	6.89	13.26	0.89	0.34	56.79
1911.	0.46	T.	0.68	3.06	8.49	8.77	4.05	11.19	5.87	4.62	1.53	0.37	49.09
1912.	1.93	2.93	4.35	0.20	8.55	26.91	8.42	4.52	9.06	5.43	1.32	1.03	74.65
Mns	2.20	2.22	2.08	2.26	3.94	9.42	8.14	8.18	7.77	3.36	1.26	1.68	52.51

The values from September, 1871, to May, 1883, inclusive, are for Punta Rassa, 13½ miles southwest; and from June, 1886, to August, 1891, inclusive, are for Alva, 17 miles northeast of Fort Myers.

INVERNESS, CITRUS COUNTY, FLA.

Elevation, 43 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899.	......	6.65	0.82	3.66	1.47	7.97	10.08	7.22	2.95	2.46	0.33	1.84	......
1900.	2.94	4.59	6.33	6.43	4.54	5.86	6.39	4.17	3.68	3.19	0.62	3.61	52.35
1901.	1.67	4.72	6.45	1.74	3.29	10.63	8.75	14.32	4.12	2.31	1.26	3.99	63.25
1902.	0.46	5.25	4.95	1.34	5.58	1.93	3.09	4.11	13.82	3.45	2.68	1.36	48.02
1903.	5.73	5.08	5.72	0.10	3.60	3.86	12.67	10.27	4.43	0.85	0.94	1.55	54.80
1904.	5.74	1.43	0.34	1.35	0.89	8.91	8.95	7.18	3.78	3.28	2.21	1.18	45.24
1905.	0.75	3.01	3.08	2.21	5.39	7.65	19.67	10.56	9.48	0.36	0.57	5.39	68.12
1906.	3.74	0.81	3.56	3.79	4.50	6.88	14.87	5.95	3.22	0.83	0.60	0.11	48.86
1907.	0.45	2.48	0.03	1.50	4.66	4.77	8.28	5.06	9.40	0.59	1.06	4.07	42.35
1908.	2.95	1.64	0.47	1.37	1.42	8.01	5.10	7.73	11.03	1.22	4.14	1.20	46.28
1909.	1.45	1.80	1.13	1.56	5.42	4.36	22.57	9.05	0.96	1.63	0.22	2.83	52.98
1910.	1.18	3.79	0.70	0.24	3.81	9.39	13.86	9.75	1.06	3.32	1.98	0.89	49.97
1911.	2.00	0.00	2.25	1.71	8.51	3.11	10.00	4.64	3.15	4.05	4.24	4.57	48.23
1912.	5.84	2.01	2.87	1.62	6.80	7.16	4.72	8.42	11.12	3.73	3.92	2.87	61.08
Mns	2.68	3.09	2.77	2.05	4.27	6.46	10.64	7.74	5.87	2.24	1.77	2.53	52.11

ST. LEO, PASCO COUNTY, FLA.

Elevation, 140 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895.	......	......	......	6.32	6.28	3.14	12.94	7.55	3.73	3.71	2.18	1.60	......
1896.	3.90	3.03	2.05	0.23	3.11	17.92	8.63	10.20	4.09	1.89	2.51	1.26	58.82
1897.	1.60	6.92	1.04	3.68	3.10	6.47	11.33	8.08	10.02	3.35	1.07	2.89	59.55
1898.	0.48	1.18	0.47	0.65	1.75	9.07	6.85	20.16	3.38	6.05	1.20	4.64	55.88
1899.	8.71	9.71	3.40	3.08	1.38	9.88	10.19	6.70	5.91	4.36	0.75	1.80	65.87
1900.	4.45	5.98	10.05	4.85	5.67	14.13	8.98	8.66	7.15	4.55	0.55	7.80	82.82
1901.	2.75	3.74	4.45	1.80	1.45	10.15	13.35	19.75	10.98	0.55	1.80	2.24	73.01
1902.	0.65	4.77	2.34	1.18	1.93	5.83	3.34	6.93	11.48	3.38	2.23	1.46	45.52
1903.	7.37	5.72	7.59	0.11	3.12	5.30	7.25	6.32	7.39	0.44	2.93	1.32	54.86
1904.	6.15	1.96	0.19	1.50	1.51	10.55	7.99	10.45	3.46	2.51	2.30	2.12	50.69
1905.	0.51	1.76	2.68	3.01	8.64	6.97	9.48	16.26	7.15	0.45	0.28	5.13	62.32
1906.	6.10	1.64	2.14	0.74	6.85	10.02	15.19	8.58	6.93	1.01	0.70	0.13	60.03
1907.	0.34	1.09	T.	1.66	5.32	8.47	5.14	7.17	9.08	0.30	2.00	5.99	46.56
1908.	2.38	1.29	0.10	1.73	2.20	10.12	5.22	5.83	8.78	1.63	2.18	0.23	41.69
1909.	1.75	2.17	1.53	1.71	8.04	10.10	14.17	7.33	2.58	0.62	0.61	2.66	53.27
1910.	1.60	3.29	1.68	0.72	1.79	13.91	8.05	7.64	2.10	9.66	2.54	0.80	53.78
1911.	0.91	0.01	1.99	0.20	4.23	6.68	12.17	11.06	2.24	5.64	5.84	3.98	54.95
1912.	7.55	1.99	3.00	1.10	5.16	9.46	5.41	4.38	16.81	5.72	2.60	0.92	64.10
Mns	3.36	3.31	2.63	1.90	3.97	9.35	9.21	9.61	6.85	3.10	1.90	2.61	57.80

The values from April, 1895, to December, 1901, inclusive, are for Earnestville, only a short distance from St. Leo.

TARPON SPRINGS, PINELLAS COUNTY, FLA.

Elevation, 20 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891.	2.30	2.13	2.76	3.53	0.18	5.92	5.19	6.89	3.66	1.51	1.98	1.49	37.54
1892.	3.57	1.69	1.99	0.34	1.53	7.85	5.94	13.56	8.15	2.35	0.58	2.25	49.80
1893.	3.84	3.82	5.05	0.65	1.64	10.72	4.72	5.24	6.50	1.32	1.93	2.64	48.07
1894.	3.03	1.92	2.03	0.75	4.40	8.67	7.43	10.36	11.35	2.81	1.93	0.87	55.55
1895.	3.65	3.52	1.05	5.50	2.75	3.26	6.18	9.36	5.98	2.35	2.66	0.74	47.00
1896.	4.58	3.09	1.45	T.	2.12	8.97	8.49	7.66	4.41	0.83	5.18	1.68	48.46
1897.	1.33	2.13	1.23	2.22	0.32	3.16	10.55	7.87	9.15	2.54	1.50	2.48	44.48
1898.	0.18	1.50	0.26	0.30	0.41	5.82	12.77	16.05	13.12	4.57	1.07	5.15	61.20
1899.	4.46	9.79	1.04	4.24	0.13	8.29	18.46	2.02	5.52	1.15	0.55	2.36	58.01
1900.	3.12	4.69	8.18	3.52	5.03	13.47	13.29	7.59	3.76	3.93	0.40	......	......
1901.	......	......	5.10	......	......	......	......	1.12	7.90	2.86	1.54	1.29	......

TARPON SPRINGS, PINELLAS COUNTY, FLA.—Continued.

Elevation, 20 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902.	0.60	4.54	4.04	1.79	1.11	2.82	7.30	4.78	4.97	2.04	2.24	3.42	39.65
1903.	5.23	6.52	6.65	0.18	2.10	5.45	4.46	8.15	10.40	0.34	2.57	1.74	53.79
1904.	5.09	2.06	1.52	1.14	0.66	2.21	4.80	13.51	6.26	1.06	2.66	2.37	43.34
1905.	0.34	2.11	2.12	2.75	1.20	5.72	10.88	16.80	6.24	0.25	0.21	4.34	52.96
1906	4.78	2.03	2.71	0.54	4.08	8.49	11.73	20.99	2.79	3.54	1.13	0.25	63.06
1907.	0.30	1.59	0.00	1.33	2.38	5.25	6.17	5.74	8.66	0.73	1.16	5.34	38.65
1908.	3.02	1.46	0.04	1.09	0.73	6.94	7.00	7.75	6.58	2.38	2.88	0.34	40.21
1909.	2.08	1.50	1.21	1.32	2.74	18.10	17.03	9.97	4.28	1.06	0.23	2.26	61.78
1910.	1.41	2.51	0.93	0.23	4.18	6.13	7.73	12.68	1.97	5.86	1.79	1.18	46.60
1911.	0.82	0.06	1.65	0.55	5.89	4.66	5.91	14.31	14.27	10.33	4.27	3.84	66.56
1912.	5.91	1.92	2.22	1.40	3.02	13.21	6.66	6.39	12.42	6.41	2.93	1.24	63.73
Mns	2.84	2.88	2.42	1.59	2.22	7.39	8.70	9.90	7.20	2.74	1.88	2.25	52.01

SOUTHERN INTERIOR GROUP.

ORLANDO, ORANGE COUNTY, FLA.

Elevation, 111 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	1.72	2.00	1.29	0.60	2.67	4.37	1.63	9.05	9.12	4.66	0.07	2.03	39.21
1893.	2.09	1.51	2.15	1.51	5.31	8.90	3.74	6.34	5.77	9.02	2.67	1.89	50.90
1894.	1.86	0.98	0.88	1.14	3.39	7.86	7.02	7.61	14.95	4.70	3.22	0.56	54.17
1895.	1.29	3.11	1.70	5.15	7.31	3.21	4.36	4.78	4.27	3.78	1.57	1.78	42.31
1896.	5.03	2.95	1.39	0.00	2.71	11.18	10.66	5.24	3.88	1.07	3.53	1.95	49.59
1897.	1.16	3.99	0.38	2.83	1.25	6.53	9.26	4.32	15.77	3.55	1.91	2.62	53.57
1898.	0.64	1.26	0.54	0.15	1.19	1.13	7.31	10.93	3.43	5.55	1.09	3.68	36.90
1899.	5.04	8.71	0.96	3.61	0.96	4.15	7.01	6.28	7.77	9.22	0.12	0.93	54.76
1900.	3.32	2.45	6.93	3.39	4.72	7.62	10.83	7.41	5.53	6.78	1.51	3.36	63.85
1901.	1.07	3.27	3.89	2.47	2.15	11.81	4.28	13.18	11.12	2.20	0.54	1.28	57.26
1902.	1.25	4.50	1.81	2.27	1.52	6.94	5.43	3.53	13.66	4.90	0.52	1.35	47.68
1903.	5.69	5.48	8.37	0.51	3.59	11.05	8.41	3.68	8.08	1.69	2.71	1.00	60.26
1904.	4.02	2.45	1.09	2.20	2.16	9.11	6.40	6.23	5.00	8.44	1.80	1.06	50.06
1905.	0.41	2.12	5.13	1.71	8.12	8.13	6.15	17.13	13.11	3.42	0.33	8.43	74.19
1906.	5.03	0.84	2.80	1.27	9.40	11.75	5.65	3.12	1.87	1.39	0.23	0.05	43.40
1907.	0.02	0.10	0.15	2.20	2.75	8.17	9.96	9.20	5.15	1.91	0.29	4.15	44.05
1908.	3.57	1.56	0.25	3.74	5.50	4.84	7.03	7.04	9.91	3.18	2.31	0.68	40.64
1909.	1.31	1.14	1.40	2.17	2.41	3.13	12.71	8.34	3.41	1.30	0.65	0.67	38.64
1910.	1.01	2.69	2.65	0.38	2.87	15.25	9.71	6.36	2.82	11.73	2.80	0.80	59.07
1911.	0.64	0.06	1.29	2.36	3.07	4.94	6.27	5.66	3.71	4.23	4.73	2.65	39.61
1912.	8.54	1.92	2.11	4.30	6.60	12.17	7.48	7.72	9.63	4.97	1.80	1.21	68.45
Mns	2.61	2.05	2.24	2.09	3.79	7.72	7.20	7.30	7.53	4.66	1.64	2.00	50.83

BARTOW, POLK COUNTY, FLA.

Elevation, 115 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887.	2.60	0.40	1.20	1.30	3.45	12.90	4.20	3.25	2.80	4.65	1.75	2.95	41.45
1888.	0.15	3.95	2.70	0.35	6.05	3.75	4.45	5.60	9.90	3.20	4.25	6.70	51.05
1889.	7.45	4.20	1.20	1.40	1.40	6.55	4.50	5.90	5.65	0.15	0.20	0.00	38.60
1890.	0.00	0.65	1.20	0.35	4.85	4.95	6.75	4.60	21.15	3.00	3.90	1.70	53.10
1891.	0.70	0.80	3.60	2.25	1.65	3.60	7.00	5.95	17.10	6.35	0.50	0.30	49.80
1892.	0.95	1.50	0.70	0.45	2.42	10.37	2.35	8.97	9.01	5.24	0.71	1.48	44.15
1893.	1.27	2.43	2.74	0.98	7.98	10.16	4.71	10.42	6.74	4.07	2.97	1.66	56.13
1894.	1.32	1.79	1.00	0.40	2.13	14.39	5.46	10.13	16.81	3.95	2.18	0.94	60.50
1895.	1.82	3.96	1.37	6.12	5.20	3.79	4.90	8.41	4.25	2.26	2.42	1.21	45.71
1896.	2.52	2.55	1.56	0.00	2.83	9.76	7.39	4.49	5.31	1.38	0.97	2.11	40.87
1897.	1.15	3.31	0.44	4.07	1.80	7.47	14.55	7.40	11.94	2.66	1.16	2.62	58.57
1898.	0.48	0.87	0.66	0.36	2.58	4.27	9.32	8.89	7.88	5.44	2.43	3.04	46.22
1899.	5.03	7.30	1.63	4.22	1.01	5.78	8.43	7.58	10.58	6.51	0.58	1.95	60.60
1900.	4.72	4.26	6.50	3.83	4.28	10.30	7.22	4.76	4.36	2.40	1.61	6.35	60.59
1901.	1.07	3.34	3.56	2.33	2.90	10.84	9.86	12.39	8.87	0.36	1.80	2.01	59.33
1902.	0.23	5.70	2.02	2.77	2.18	6.62	3.97	4.97	10.79	7.16	1.48	1.52	49.41
1903.	6.64	4.87	6.42	0.60	6.21	10.38	9.16	11.64	10.57	0.97	1.49	0.95	69.90
1904.	2.47	4.99	2.14	2.39	1.76	11.76	8.77	6.07	1.76	5.35	3.06	1.23	51.75
1905.	0.35	0.64	4.98	3.20	11.16	2.59	10.79	14.62	6.03	1.82	0.57	8.25	65.00
1906.	5.40	2.41	1.80	2.62	4.82	11.68	5.07	4.73	3.51	1.78	0.28	0.00	44.10
1907.	0.68	1.23	0.81	T.	6.96	4.75	10.24	8.31	5.93	0.39	1.79	3.59	44.68
1908.	5.19	1.40	0.02	1.96	0.36	7.16	4.93	8.92	13.72	1.67	2.44	1.12	48.89
1909.	0.94	1.29	5.42	0.79	4.45	8.44	13.31	14.38	4.01	1.92	0.80	2.41	58.16
1910.	0.93	2.79	2.19	0.66	2.50	8.97	10.66	6.66	2.52	12.55	1.10	0.81	52.34
1911.	1.08	0.00	1.02	0.43	2.32	3.64	10.76	7.87	3.56	3.12	4.75	4.06	42.61
1912.	6.17	1.99	3.88	1.52	6.23	21.62	7.03	2.45	8.09	4.06	1.70	1.35	66.09
Mns	2.36	2.64	2.34	1.74	3.83	8.33	7.53	7.67	8.19	3.55	1.81	2.32	52.31

The values from 1887 to July, 1895, inclusive, are for Homeland, 5 miles south of Bartow.

AVON PARK, DESOTO COUNTY, FLA.

Elevation, 150 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	......	......	1.17	8.70	6.34	6.40	10.01	4.97	0.23	0.70	......
1893.	1.63	3.25	2.88	1.82	7.69	13.49	6.79	7.26	3.95	2.29	2.58	3.00	56.63
1894.	......	......	......	......	......	10.74	10.08	8.96	11.16	4.15	1.79	0.69	......
1895.	1.28	4.74	1.70	4.93	6.97	9.83	5.81	5.76	3.88	4.83	3.31	1.07	54.11
1896.	3.38	3.27	1.26	0.18	3.08	10.02	6.89	3.17	5.37	1.83	......	......	......
1897-1901.	......	......	......	......	......	......	......	......	......	......	......	......	......
1902.	0.27	5.49	3.29	1.44	3.71	5.70	8.68	4.43	9.03	7.77	1.77	2.44	54.02
1903.	5.22	5.40	5.85	0.16	1.98	5.63	6.61	4.85	8.84	1.42	4.69	1.40	52.05
1904.	4.09	2.73	0.96	2.42	3.82	10.35	7.56	5.96	5.39	11.25	2.90	1.46	58.89
1905.	0.60	0.61	3.51	3.01	6.99	4.48	13.70	12.72	5.66	3.86	0.19	10.28	65.61

AVON PARK, DESOTO COUNTY, FLA.—Continued.

Elevation, 150 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1906.	4.54	3.14	1.96	0.98	4.44	9.36	7.91	9.56	1.28	0.94	0.05	0.18	44.34
1907.	0.36	0.30	0.24	1.27	7.72	9.43	8.50	7.08	4.59	3.83	0.97	2.91	47.20
1908.	3.14	0.92	0.02	1.73	3.01	5.98	4.92	7.32	10.30	1.62	2.48	1.02	42.46
1909.	0.37	2.05	2.03	2.84	6.45	13.24	12.95	13.91	2.42	0.79	0.96	1.58	59.59
1910.	0.70	1.98	2.40	0.61	5.48	14.37	9.04	8.32	2.26	12.49	0.31	0.62	58.58
1911.	0.55	T	1.85	1.92	4.54	6.93	8.01	3.93	2.06	4.79	1.90	2.02	38.50
1912.	5.24	1.97	......	......	......	16.91	2.90	4.98	7.93	3.29	1.27	0.74	......
Mns	2.24	2.56	2.15	1.79	4.79	9.70	7.92	7.16	5.89	4.38	1.69	2.01	52.28

ARCADIA, DESOTO COUNTY, FLA.

Elevation, 61 feet.

1899.	......	......	......	......	......	......	......	......	......	......	0.40	1.93	......
1900.	2.70	3.80	8.05	3.58	**1.89**	**5.08**	9.23	6.27	4.80	**0.16**	1.14	**1.26**	47.90
1901.	1.08	1.49	3.37	2.50	3.88	10.87	10.86	12.53	4.23	0.26	0.19	3.64	54.90
1902.	0.22	5.66	1.46	0.29	0.57	9.12	5.19	2.87	6.32	5.72	2.44	2.26	42.12
1903.	4.65	5.54	5.24	**0.12**	1.55	**5.46**	10.28	**9.65**	12.67	0.34	2.83	2.14	60.47
1904.	4.96	1.03	2.79	0.60	4.16	8.79	8.56	**7.85**	**4.51**	7.62	2.95	1.10	54.92
1905.	0.22	1.09	5.47	3.60	4.92	3.98	16.39	10.04	4.25	1.49	0.69	6.85	58.99
1906.	3.58	2.60	3.03	0.89	1.86	......	......	......	......	......	......	......	......
1907.	......	......	......	......	......	8.17	7.02	9.31	7.57	1.45	2.14	2.16	......
1908.	1.94	1.48	1.79	1.02	2.48	8.03	5.26	18.24	15.67	5.87	1.29	0.55	63.62
1909.	1.06	0.73	1.53	2.76	7.58	7.90	9.34	11.75	2.05	1.96	0.13	1.85	48.64
1910.	0.97	1.45	0.80	0.24	7.88	6.65	7.79	7.26	6.21	13.16	0.58	0.64	53.63
1911.	0.23	0.10	1.45	1.43	4.55	4.79	5.20	7.17	2.44	5.57	1.44	1.47	35.84
1912.	4.53	2.21	3.44	0.84	7.84	16.49	3.31	5.57	6.95	5.17	1.13	1.15	58.63
Mns	2.17	2.27	3.20	1.49	4.10	7.95	8.21	9.04	6.47	4.06	1.33	2.07	52.36

The values prior to June, 1907, are for Nocatee, 5 miles southwest of Arcadia.

CLERMONT, LAKE COUNTY, FLA.

Elevation, 105 feet.

1892.	......	......	......	......	......	......	......	10.67	5.88	2.80	0.47	2.28	......
1893.	1.47	4.87	4.79	0.68	4.91	8.74	8.68	5.23	4.78	1.72	2.48	5.53	53.88
1894.	1.92	1.82	0.59	0.29	1.37	5.90	7.68	10.64	19.78	3.96	1.67	1.22	56.84
1895.	4.07	3.06	1.28	5.14	3.73	3.23	7.73	5.36	2.40	2.97	1.53	1.31	41.84
1896.	4.77	3.95	1.37	0.10	2.12	7.36	6.17	4.29	3.90	1.05	1.81	1.07	37.96
1897.	1.52	5.44	0.45	2.01	0.85	4.05	7.82	7.44	8.48	5.40	1.18	2.52	47.16
1898.	0.30	0.81	0.99	0.49	1.29	2.53	7.44	13.48	2.01	5.27	1.30	3.75	39.66
1899.	5.27	7.65	0.85	2.66	2.29	5.59	6.63	11.73	**6.23**	5.75	0.40	1.35	56.40
1900.	2.33	3.60	2.40	2.25	4.60	10.62	7.45	4.63	3.13	4.63	0.10	5.15	50.89
1901.	1.03	2.44	3.20	2.20	5.87	7.51	4.52	7.78	11.20	0.40	0.50	0.73	47.38
1902.	1.42	7.29	3.61	1.67	1.00	2.50	4.64	6.47	8.79	3.78	1.38	1.45	44.00
1903.	5.79	5.55	4.83	0.02	2.47	8.15	8.04	6.84	6.39	0.95	2.05	0.83	51.91
1904.	5.73	2.97	2.13	0.97	1.24	12.73	3.30	7.61	5.90	5.01	2.27	1.23	50.19
1905.	0.27	2.40	2.84	2.10	2.88	5.86	5.03	10.91	15.61	0.88	0.03	6.64	55.45
1906.	5.57	0.85	2.62	0.50	11.23	9.89	7.61	4.43	2.19	0.86	0.25	0.18	46.18
1907.	0.05	0.62	T.	1.68	5.57	8.40	12.27	5.81	6.59	0.95	0.53	7.28	49.75
1908.	2.43	0.92	0.03	11.35	2.05	2.11	3.51	7.48	16.02	1.44	1.68	0.76	49.78
1909.	1.60	3.58	0.45	2.53	3.94	12.11	17.01	8.89	2.33	0.20	1.05	0.84	54.53
1910.	0.80	3.76	**1.76**	0.44	6.45	6.89	10.80	11.95	1.56	13.56	2.28	1.05	61.30
1911.	0.70	0.00	1.43	0.35	2.68	6.24	7.90	7.43	3.11	3.50	4.63	3.96	41.93
1912.	7.82	1.16	4.00	2.19	8.25	15.42	5.68	3.85	7.60	4.58	2.50	**0.63**	63.68
Mns	2.75	3.14	1.96	1.98	3.74	7.29	7.49	7.75	6.81	3.31	1.43	2.37	50.02

EUSTIS, LAKE COUNTY, FLA.

Elevation, 56 feet.

1890.	......	......	......	......	......	......	......	......	......	......	1.94	1.57	......
1891.	1.69	1.20	5.76	3.40	2.25	5.55	5.67	4.28	8.22	3.49	1.73	3.14	46.44
1892.	3.31	0.95	1.25	1.67	2.34	5.67	2.76	9.00	8.07	1.91	0.33	4.26	41.52
1893.	2.24	4.81	3.26	0.84	2.33	7.47	2.92	3.22	6.11	4.55	3.13	4.03	44.91
1894.	2.32	0.98	0.88	1.10	1.69	6.19	5.46	4.08	13.49	3.76	2.66	1.41	44.02
1895.	3.38	2.85	1.94	3.41	4.97	3.79	7.26	8.09	6.74	1.05	2.10	1.19	46.77
1896.	7.27	2.67	1.13	0.26	2.45	7.79	6.79	6.78	2.97	0.84	2.59	1.82	43.36
1897.	2.53	7.30	1.34	1.52	1.84	6.33	6.21	7.36	12.72	5.43	1.22	1.72	55.52
1898.	1.08	1.43	0.64	0.47	1.92	5.94	10.16	10.95	7.18	4.54	1.77	2.38	48.46
1899.	5.15	9.60	1.18	4.19	0.79	7.22	13.55	6.02	6.20	2.32	0.35	1.28	58.76
1900.	2.75	4.26	6.14	5.86	4.25	8.78	7.98	4.43	3.74	4.84	0.72	2.88	56.63
1901.	1.42	2.52	4.77	0.92	5.97	5.35	5.93	13.00	13.75	1.01	0.89	1.94	57.47
1902.	0.51	4.37	4.56	1.79	3.55	5.31	2.10	2.47	8.18	6.28	1.30	1.96	42.38
1903.	6.09	5.72	4.29	0.44	6.06	7.60	5.73	4.39	6.96	0.43	1.54	1.30	50.55
1904.	5.93	2.35	0.36	3.88	1.69	6.20	6.07	5.84	5.79	3.20	2.02	1.26	44.59
1905.	0.40	1.63	4.37	2.45	3.30	4.49	2.62	14.10	5.34	0.91	0.38	5.65	45.64
1906.	5.57	0.76	3.39	1.21	5.53	7.24	7.52	6.08	3.01	1.61	0.46	0.34	42.72
1907.	0.10	1.93	0.09	2.05	4.16	5.47	9.25	6.78	4.20	0.89	0.80	5.12	40.84
1908.	1.67	2.34	0.02	5.99	2.17	4.39	5.01	5.73	11.39	1.88	1.52	0.87	42.98
1909.	2.29	2.10	3.89	1.76	4.29	8.96	20.00	8.08	0.94	0.20	0.73	1.52	54.76
1910.	0.60	3.07	1.38	0.63	3.17	9.63	12.73	7.09	0.53	10.14	1.30	0.77	51.04
1911.	1.73	T.	1.63	0.63	5.02	2.09	5.80	7.76	1.97	4.01	3.59	3.72	37.95
1912.	7.08	1.40	4.39	2.06	6.51	14.15	5.71	4.26	8.44	3.95	1.99	1.61	61.55
Mns	2.96	2.92	2.58	2.12	3.46	6.62	7.15	6.81	6.64	3.10	1.52	2.25	48.13

FORT MEADE, POLK COUNTY, FLA.

Elevation, 125 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1851.	......	......	......	......	3.00	8.67	5.73	6.47	7.67	2.04	1.23	2.37	......
1852.	0.69	0.27	2.08	2.13	2.31	11.71	11.41	6.35	6.60	1.32	0.15	1.32	46.34
1853.	......	......	......	......	......	......	......	......	......	......	......	......	......
1854.	1.30	2.21	1.85	3.19	10.57	7.24	8.55	10.20	2.99	2.34	0.02	**1.82**	52.28
1855–1884.	......	......	......	......	......	......	......	......	......	......	......	......	......
1885.	......		......	......	......	......	......		......	......	0.00	0.75	......
1886.	0.75	0.25	5.25	4.10	2.20	6.80	16.00	10.50	5.40	2.54	0.40	2.30	56.49
1887.	1.24	0.65	1.20	2.15	1.65	8.08	6.75	4.25	6.27	4.00	1.96	2.50	40.70
1888.	T.	5.18	2.32	0.60	5.95	4.08	10.17	7.00	8.07	2.06	3.71	9.56	58.70
1889.	8.25	4.29	1.50	1.47	0.82	9.71	5.26	5.78	5.58	0.20	0.50	0.00	43.36
1890.	0.00	1.35	4.90	0.25	9.60	3.94	6.81	7.39	14.83	5.00	3.38	1.75	59.20
1891.	1.17	1.00	3.24	3.29	1.03	7.12	6.73	*5.95	16.00	9.58	1.33	0.65	57.09
1892.	1.25	1.87	0.80	0.82	2.65	9.96	3.41	12.96	7.12	4.11	T.	1.15	46.10
1893.	1.58	2.10	3.58	0.75	7.14	13.12	6.72	6.93	7.56	2.18	2.67	3.07	57.40
1894.	0.97	3.16	1.04	0.24	1.23	14.32	5.90	7.12	14.65	2.77	1.18	1.41	53.99
1895.	2.17	3.66	1.81	7.64	5.99	5.41	4.63	7.05	2.01	2.98	2.85	1.07	47.27
1896.	3.26	1.73	0.90	0.03	4.60	13.30	11.32	3.54	5.42	2.42	1.27	2.84	50.63
1897.	1.31	2.59	0.59	3.57	5.50	6.02	11.81	8.40	16.36	2.48	0.97	1.68	61.28
1898.	0.42	0.57	1.60	0.57	0.73	8.64	7.82	9.68	8.30	3.87	2.09	1.97	46.26
1899.	4.67	5.39	1.00	3.42	**1.54**	**6.83**	**8.49**	3.88	10.45	7.75	0.98	1.50	55.90
1900.	5.25	1.70	9.50	3.57	4.93	17.94	11.80	16.05	10.50	4.31	2.23	5.85	93.63
1901.	1.16	2.01	**3.78**	2.05	4.40	16.27	11.35	19.60	11.90	1.15	0.60	2.95	77.22
1902.	0.56	6.95	3.28	1.50	3.70	9.90	9.56	6.51	10.47	9.37	2.40	2.68	66.88
1903.	9.14	6.12	8.61	0.91	5.42	4.03	8.46	10.86	19.04	0.79	2.50	2.24	78.12
1904.	5.56	6.91	1.67	2.98	1.03	13.88	9.69	15.17	5.64	10.45	3.22	0.66	76.86
1905.	2.25	0.46	6.03	2.71	10.11	9.99	13.75	17.90	13.17	1.08	0.00	8.74	86.19
1906.	4.13	3.17	6.58	1.46	4.08	11.73	10.59	17.53	**4.34**	**1.90**	0.08	T.	65.59
1907.	0.08	0.46	T.	0.72	15.58	5.99	10.91	6.20	6.84	2.46	1.11	2.96	53.31
1908.	3.20	1.59	0.33	1.80	2.09	6.60	5.73	9.83	11.20	2.18	1.84	0.18	46.57
1909.	0.89	1.38	1.90	1.62	6.40	12.18	14.68	12.94	3.94	2.48	0.39	2.20	61.00
1910.	0.92	2.99	1.47	0.20	1.80	9.68	8.14	7.14	1.06	13.60	1.23	0.25	48.48
1911.	0.83	T.	0.87	1.43	4.14	5.54	8.89	7.08	3.16	5.50	4.18	1.80	43.42
1912.	8.33	1.75	1.81	1.07	6.15	22.70	10.92	3.53	10.41	5.22	1.60	1.38	74.87
Mns	2.46	2.47	2.74	1.94	4.55	9.71	9.06	9.13	8.56	3.93	1.48	2.24	58.27

* Amount at Homeland, 4½ miles north of Fort Meade.

SANFORD, ORANGE COUNTY, FLA.

Elevation, 25 feet.

1883.	1.50	0.00	1.50	8.44	2.41	8.57	3.14	6.74	3.43	8.38	0.35	0.15	44.61
1884.	0.91	4.40	0.94	1.90	1.62	9.57	5.57	11.09	3.83	3.02	1.45	2.51	46.81
1885.	3.00	3.96	4.60	1.52	4.99	5.89	5.52	6.75	10.73	7.48	0.29	1.85	56.58
1886.	4.77	1.18	8.17	6.60	0.89	11.08	10.21	4.12	5.01	8.75	0.79	3.20	64.77
1887.	1.32	1.10	2.22	3.19	3.22	6.12	......	......	......	......	......	......	......
Mns	2.30	2.13	3.49	4.33	2.63	8.25	6.11	7.18	5.75	6.91	0.72	1.93	51.73

PLANT CITY, HILLSBORO COUNTY, FLA.

Elevation, 121 feet.

1892.	......	......	......	......	......	......	......	......	......	2.88	0.61	2.32	......
1893.	1.95	3.10	4.40	2.37	7.18	9.89	5.43	11.10	8.11	1.83	2.58	1.56	59.50
1894.	2.35	1.98	1.33	0.34	2.86	7.81	6.55	9.51	18.43	3.80	0.97	1.82	57.75
1895.	3.03	3.44	1.05	5.05	5.37	3.53	12.61	8.75	3.41	2.61	2.17	1.79	52.81
1896.	3.37	3.63	1.98	1.68	2.02	16.44	8.61	6.94	7.76	2.31	0.94	0.80	56.48
1897.	0.87	5.40	1.61	4.14	2.63	5.18	10.85	7.86	8.48	3.97	1.26	2.24	54.49
1898.	0.58	0.47	9.52	0.32	0.72	3.08	8.95	15.06	5.97	6.43	1.97	3.24	47.31
1899.	5.17	8.87	0.88	5.70	1.00	11.57	10.36	5.59	6.19	3.82	0.46	1.65	61.26
1900.	4.39	3.86	7.30	4.52	7.56	10.24	5.83	6.60	6.45	**4.10**	1.69	3.87	65.51
1901.	1.07	2.74	3.83	1.37	6.69	10.95	6.76	12.05	**8.90**	**0.50**	0.30	1.81	56.97
1902.	0.29	4.78	1.16	0.60	1.37	**6.34**	**4.84**	1.87	10.59	**4.72**	**1.28**	**1.40**	39.24
1903.	**5.78**	4.91	6.61	**0.72**	**4.91**	**7.75**	9.24	7.00	9.20	0.95	2.35	1.20	60.62
1904.	1.20	4.52	**0.76**	1.55	3.95	8.55	4.50	7.18	4.95	4.13	3.39	1.66	46.34
1905.	T.	1.23	2.83	2.13	9.10	8.38	14.08	13.48	8.54	1.96	0.00	7.62	69.35
1906.	4.72	1.93	2.61	1.70	7.48	7.31	13.08	15.69	2.54	2.42	0.40	0.05	59.93
1907.	0.28	0.70	0.00	1.14	8.72	12.91	6.41	10.29	10.79	0.21	0.70	6.06	58.21
1908.	4.27	1.85	0.00	1.58	0.82	4.65	4.43	13.92	5.23	0.94	2.80	0.00	40.49
1909.	1.43	0.76	2.80	1.35	2.91	4.95	7.09	11.56	0.75	0.62	0.52	1.62	36.36
1910.	1.22	4.36	1.87	1.17	3.88	13.43	15.62	10.99	3.10	**9.13**	0.95	0.84	66.61
1911.	1.20	0.00	1.95	0.20	2.99	3.81	8.96	11.23	1.50	4.88	3.03	2.70	42.45
1912.	6.70	2.12	3.90	1.99	4.62	12.62	3.97	3.62	13.38	3.73	2.65	0.90	60.20
Mns	2.49	3.03	2.37	1.98	4.34	8.47	8.41	9.51	7.21	3.14	1.48	2.15	54.58

KISSIMMEE, OSCEOLA COUNTY, FLA.

Elevation, 65 feet.

1888.	......	......	......	......	......	......	......	......	......	......	6.24	6.36	......
1889.	7.53	5.45	1.74	1.47	1.75	7.74	7.04	13.03	4.52	......	......	......	......
1890–1891.	......	......	......	......	......	......	......	......	......	......	......	......	......
1892.	......	......	......	0.41	2.34	......	2.84	5.61	13.06	......	......	......	......
1893.	1.66	3.67	1.89	1.70	4.51	12.47	5.49	5.87	4.65	6.42	2.29	1.56	52.18
1894.	2.29	1.40	0.74	1.37	3.75	5.91	5.15	8.76	16.20	4.51	0.82	2.54	53.44
1895.	0.70	3.34	1.40	7.82	3.56	1.20	7.30	5.53	7.50	5.40	5.10	0.48	49.63
1896.	4.79	7.31	0.98	0.24	1.51	12.57	9.24	4.17	6.82	3.78	3.23	2.36	57.00
1897.	0.18	6.82	0.28	2.75	4.26	5.44	5.70	4.63	15.20	3.00	0.50	2.94	51.70
1898.	0.23	1.12	0.00	0.12	0.35	5.75	7.90	11.41	4.52	5.17	0.88	3.02	40.47
1899.	5.72	11.53	1.68	3.06	1.60	3.06	8.37	11.06	7.03	15.98	0.23	1.60	70.92
1900.	4.82	2.65	6.07	3.02	5.84	8.18	5.66	3.23	4.50	4.83	1.62	5.09	55.51

KISSIMMEE, OSCEOLA COUNTY, FLA.—Continued.

Elevation, 65 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901.	0.92	2.26	3.51	3.23	2.96	8.78	2.84	9.91	12.95	1.18	0.67	1.35	50.56
1902.	0.19	6.07	1.88	1.73	0.34	5.85	5.36	7.27	6.35	3.07	1.15	0.96	40.22
1903.	4.76	5.04	5.84	0.25	6.68	10.12	6.07	4.31	12.06	1.02	3.56	1.51	61.22
1904.	4.16	5.16	0.80	2.25	0.51	8.19	8.56	4.53	4.66	6.72	3.15	0.80	49.49
1905.	0.70	0.91	3.88	1.82	7.17	4.46	14.05	13.90	5.04	3.19	T.	9.43	64.55
1906.	6.43	1.49	2.74	1.48	6.77	10.21	6.65	2.59	3.26	2.00	0.16	0.04	43.82
1907.	0.10	0.05	T.	1.66	3.89	6.91	12.51	4.06	5.79	1.45	0.40	3.81	40.63
1908.	3.81	1.46	0.26	6.13	3.08	4.32	4.74	9.40	8.48	2.18	2.36	0.64	46.86
1909.	0.86	0.63	2.06	3.46	6.87	4.84	11.28	9.53	2.93	1.22	1.49	1.43	46.60
1910.	1.29	2.47	1.52	0.36	2.39	9.53	10.52	7.38	0.74	11.65	0.63	0.65	49.13
1911.	1.04	0 00	3.75	1.78	1.86	5.28	4.23	8.22	3.19	3.78	5.79	2.33	41.25
1912.	7.87	2.29	3.75	1.31	7.48	11.90	4.74	4.10	7.59	4.38	3.01	0.66	59.08
Mns	2.86	3.39	2.13	2.16	3.62	7.27	7.10	7.20	7.14	4.55	2.06	2.36	51.84

EAST COAST GROUP.

JUPITER, DADE COUNTY, FLA.

Elevation, 28 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888.	1.50	3.27	1.25	4.08	8.86	5.52	3.72	4.44	8.72	3.78	3.98	3.26	52.38
1889.	9.84	4.16	2.00	2.33	3.45	9.80	4.00	7.85	6.15	3.05	2.47	0.36	55.46
1890.	2.41	2.00	2.44	1.13	13.51	2.51	6.92	8.70	8.69	5.43	4.95	2.66	61.35
1891.	2.78	2.47	1.19	2.95	6.30	4.17	9.80	4.20	11.77	8.38	2.16	1.45	57.62
1892.	2.56	2.70	3.76	0.53	2.30	14.76	0.08	2.80	14.43	14.00	0.89	4.44	63.25
1893.	2.58	3.06	4.90	3.55	3.18	8.40	3.95	7.38	5.30	11.72	5.01	1.85	60.88
1894.	2.55	0.21	0.69	0.74	2.95	4.22	3.60	1.54	13.65	6.29	2.99	0.99	40.42
1895.	3.33	2.75	1.59	4.02	6.10	3.85	5.88	3.86	8.99	21.03	4.80	6.27	72.47
1896.	5.06	2.64	2.35	1.59	2.83	8.92	8.27	4.32	5.65	5.98	2.40	3.25	53.26
1897.	5.20	5.14	3.65	8.47	10.73	4.67	5.89	6.85	18.09	9.93	6.49	1.96	87.07
1898.	0.36	0.95	3.26	1.90	1.15	0.12	6.80	6.62	3.38	10.89	1.11	2.56	39.10
1899.	4.30	4.64	3.58	3.11	1.65	3.45	3.35	5.96	11.27	16.66	0.99	2.97	61.93
1900	3.49	2.28	8.20	2.16	7.43	2.90	3.49	1.12	7.62	10.13	0.73	3.10	52.65
1901.	8.29	1.07	2.30	2.13	3.63	17.41	7.22	12.13	9.71	7.08	0.94	4.17	76.08
1902.	0.98	4.64	0.97	0.97	4.83	3.92	4.73	1.91	6.01	13.74	2.38	0.71	45.79
1903.	6.94	4.50	9.27	0.44	2.71	7.01	3.23	2.47	15.82	1.81	2.50	0.56	57.26
1904.	2.56	2.10	3.06	2.85	2.42	10.54	4.38	5.79	8.92	21.39	3.68	0.49	68.18
1905.	1.40	1.50	5.39	3.14	3.35	2.09	9.12	10.72	10.77	4.26	2.88	15.18	69.80
1906.	2.62	6.44	2.50	2.57	7.04	11.90	7.97	8.55	8.37	8.31	4.53	0.05	70.85
1907.	0.81	0.08	0.19	0.69	4.58	9.00	4.34	3.10	7.47	5.65	2.10	1.82	39.83
1908.	4.04	1.96	0.67	0.99	3.05	9.75	4.27	9.20	5.72	20.43	8.96	1.38	70.42
1909.	5.98	0.41	2.69	4.97	8.61	4.35	6.61	4.53	7.59	5.57	0.98	0.99	53.28
1910.	1.47	2.33	6.45	0.51	4.26	7.53	4.99	10.46	4.92	20.88	1.31	1.11	66.22
1911.	0.37	0.09	2.32	......	......	......	......	......	......	......	......	......	......
Mns	3.39	2.56	3.11	2.43	5.00	6.82	5.33	5.85	9.09	10.28	3.01	2.68	59.55

FORT PIERCE, ST. LUCIE COUNTY, FLA.

Elevation, 6 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1852.	......	......	3.05	4.80	1.30	6.85	8.00	4.30	7.00	0.60	1.82	2.30	......
1853.	5.00	2.20	5.15	2.45	4.55	29.35	2.50	13.50	17.50	10.00	3.41	0.78	96.39
1854.	3.55	3.40	1.05	7.00	5.70	6.63	4.97	2.63	3.30	5.47	1.41	1.68	46.79
1855.	4.81	2.56	2.80	1.14	5.54	5.41	......	9.24	4.48	2.38	......	1.61	......
1856.	8.26	7.62	2.92	0.36	5.98	4.41	9.29	6.24	2.80	6.72	2.47	0.96	58.03
1857.	0.55	5.59	3.21	3.26	1.93	7.65	4.82	3.99	6.47	3.29	6.25	7.42	54.43
1858.	3.81	2.71	3.97	0.40	2.51	......	......	......	......	......	......	......	......
1859-1900.	......	......	......	......	......	......	......	......	......	......	......	......	......
1901.	......	1.79	3.81	1.33	6.92	11.64	3.04	9.43	6.84	2.18	0.66	3.91	......
1902.	2.99	3.72	2.95	2.00	0.62	5.92	6.74	5.11	9.47	11.37	2.42	2.26	55.57
1903.	4.78	10.19	7.53	0.00	1.77	4.93	4.60	5.82	12.93	0.00	8.36	0.60	61.51
1904.	2.74	1.81	3.27	1.92	3.24	7.39	3.27	2.98	6.42	9.75	5.40	0.08	48.27
1905.	0.60	T.	2.43	4.95	3.25	2.62	5.51	3.71	5.61	5.72	1.46	3.41	39.27
1906.	3.07	2.85	2.55	2.07	8.26	12.05	6.04	6.70	2.61	7.34	4.27	0.21	58.02
1907.	0.40	0.22	0.68	1.19	4.77	......	4.47	2.89	......	......	2.87	5.54	......
1908.	1.10	1.28	0.33	2.92	2.44	5.93	9.10	7.51	15.44	10.05	6.45	0.45	63.00
1909.	4.63	0.17	2.60	3.60	5.93	5.77	9.49	6.25	7.39	2.25	2.93	2.20	53.21
1910.	0.57	1.18	1.28	0.28	4.15	4.60	6.28	12.60	3.02	12.79	1.08	0.20	48.03
1911.	......	......	......	2.75	7.05	3.55	2.75	3.40	1.80	8.00	2.00	5.40	......
1912.	2.80	1.40	1.80	3.40	6.30	10.20	0.75	5.42	3.95	6.10	1.60	1.90	45.62
Mns	3.10	2.87	2.86	2.41	4.33	7.93	5.39	6.20	6.89	6.12	3.23	2.27	53.60

The values from 1852 to 1858 are for Fort Capon, now Fort Pierce.

MALABAR, BREVARD COUNTY, FLA.

Elevation, 24 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888.	......	......	......	......	5.59	3.21	8.04	1.56	7.17	4.95	5.11	11.17	......
1889.	10.22	1.65	0.73	4.59	0.73	5.17	2.15	3.15	0.95	0.19	0.35	T.	29.88
1890.	T.	0.12	0.02	T.	10.19	1.09	**7.98**	1.77	2.67	2.00	5.70	0.93	32.47
1891.	2.90	1.13	0.43	2.14	3.04	7.10	6.10	1.22	13.70	6.96	1.20	2.47	48.39
1892.	0 70	2.97	1.41	2.76	2.42	11.72	1.10	2.63	7.01	9.44	1.17	1.26	44.59
1893.	1.37	3.11	3.62	0.99	4.17	4.78	3.75	7.52	**5.04**	**10.43**	3.22	**2.18**	50.18
1894-1896.	......	......	......	......	......	......	......	......	......	......	......	......	......
1897.	......	......	......	......	......	......	3.75	3.11	23.01	10.26	2.63	2.27	......
1898.	0.02	1.09	1.50	1.45	1.11	1.05	2.91	5.34	7.67	7.13	1.55	6.58	37.40
1899.	6.30	4.70	1.25	**2.66**	1.12	3.75	5.51	4.56	6.48	29.10	2.31	4.86	72.60
1900.	4.95	3.79	7.09	0.75	7.80	9.29	4.65	0.57	4.13	4.21	0.51	3.99	51.73

MALABAR, BREVARD COUNTY, FLA.—Continued.

Elevation, 24 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901.	2.86	1.66	2.35	1.41	5.26	9.17	3.00	5.22	......	......	......	......	......
1902.	**1.55**	4.49	0 83	1.25	2.88	8.63	3.26	1.80	8.48	10.07	2.98	1.10	47.32
1903.	4.34	5.09	6.10	0.09	4.12	1.64	1.49	4.84	8.14	0.95	3.38	1.12	41.30
1904.	4.85	3.77	0.46	0.82	1.51	7.07	3.08	2.53	6.63	7.28	2.54	1.45	41.99
1905.	1.04	0.82	4.33	3.95	3.21	2.51	8.36	9.88	17.73	7.93	0.39	6.05	66.20
1906.	2.32	3.18	2.52	0.73	8.38	3.95	7.70	4.04	6.92	3.55	1.06	0.26	44.61
1907.	0.65	0.32	0.32	3.43	4.91	7.18	7.51	2.52	2.94	3.39	1.67	2.21	37.05
1908.	2.21	0.70	0.06	4.00	5.46	7.85	3.43	8.57	19.96	4.24	4.85	1.44	62.77
1909.	2.35	0.43	3.70	2.88	5.66	2.88	7.34	6.04	3.92	2.41	1.28	1.38	40.27
1910.	1.10	2.38	1.78	0.28	1.76	7.64	5.05	16.16	2.94	12.62	0.74	0.33	52.78
1911.	0.71	0.06	1.51	3.65	6.33	3.88	4.97	8.00	1.40	4.86	5.49	4.94	45.80
1912.	4.54	2.54	1.37	1.94	2.24	10.20	6.09	2.50	5.56	6.98	2.62	1.49	48.07
Mns	2.74	2.20	2.07	1.99	4.18	5.70	4.88	4.71	7.74	7.09	2.42	2.74	48.46

Values September, 1888, to December, 1893, for Micco, and May, 1888, to August, 1888, and July, 1897, to August, 1901, for Sebastian, 9 and 15 miles, respectively, southeast of Malabar.

HYPOLUXO, DADE COUNTY, FLA.

Elevation, 6 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890.	......	6.37	1.49	1.66	16.19	3.66	4.70	9.96	14.93	2.75	6.12	1.34	......
1891.	1.73	2.51	1.70	4.10	3.62	4.57	8.77	6.88	8.72	8.84	2.01	1 07	54.62
1892.	0.29	4.20	2.79	0.31	0.67	23.25	0.51	4.17	17.34	10.81	0.10	4.06	68.50
1893.	5.41	......	3.94	5.28	6.12	9.00	5.04	2.31	3.04	......	......	......	......
1894.	......	......	......	......	......	......	5.34	1.02	17.75	4.14	1.98	0.73	.....
1895.	1.70	2.84	1.86	5.58	8.54	3.99	3.83	2.01	9.13	24.39	3.86	5.61	73.34
1896.	2.39	2.66	3.13	......	......	......	......	......	......	......	......	......	......
1897-1899.	......	......	......	......	......	......	......	......	......	......	......	......	......
1900.	4.29	7.83	2.79	1.18	7.05	3.47	2.17	1.03	9.67	14.20	2.79	1.73	58.20
1901.	9.62	1.25	3.62	2.43	7.11	21.28	4.90	10.07	10.66	7.00	0.79	3.94	82.67
1902.	2.10	5.54	1.62	1.81	3.98	7.88	1.72	4.96	7.98	18.99	3.58	1.00	61.16
1903.	5.70	4.70	6.69	0.83	1.66	9.01	5.94	3.94	......	2.78	2.76	0.98	......
1904.	1.76	3.66	0.71	1.30	3.58	11.55	4.30	6.12	6.97	7.43	5.72	0.30	52.90
1905.	2.29	1.75	2.80	4.06	2.51	2.72	10.46	6.16	8.02	5.45	2.47	7.00	55.69
1906.	3.98	4.67	3.70	4.19	8.42	12.30	7.31	7.47	5.44	9.76	4.40	0.16	71.80
1907.	1.39	2.60	0.00	0.50	3.58	10.80	5.52	4.06	3.80	5.18	0.35	1.31	39.09
1908.	6.26	0.79	0.59	2.19	2.86	7.06	8.09	5.33	5.17	19.67	10.38	1.68	70.07
1909.	4.38	1.22	2.36	9.11	5.23	3.79	9.31	7.01	18.16	10.63	0.32	1.22	72.74
1910.	1.43	5.03	3.62	1.91	5.27	7.08	5.30	3.61	3.26	27.81	**0.88**	**0.86**	66.06
1911.	**0.83**	0.00	0.72	2.81	10.30	2.77	3.32	5.12	5.77	7.62	**3.97**	1.34	44.57
1912.	5.14	3.03	1.51	2.22	14.40	25.19	3.26	1.19	4.36	5.70	2.13	8.43	76.56
Mns	3.36	3.37	2.40	2.86	6.17	9.41	5.26	4.87	8.90	10.73	3.04	2.38	62.75

MERRITTS ISLAND, BREVARD COUNTY, FLA.

Elevation, 20 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	10.45	4.37	7.92	9.74	1.47	3.32	5.04	5.70	23.78	6.41	1.02	1.38	80.60
1879.	1.38	3.47	1.59	3.23	8.71	6.65	4.25	12.11	10.28	11.30	2.64	2.70	68.31
1880.	4.59	3.27	2.79	1.81	5.16	6.86	6.07	15.77	3.61	4.44	1.85	3.12	59.34
1881.	4.30	2.43	1.24	3.06	3.46	7.04	5.72	5.42	4.40	2.24	1.73	1.95	42.99
1882.	2.74	0.15	0.76	2.89	2.46	9.83	7.21	3.32	3.01	1.67	5.43	2.63	42.10
1883.	6.09	0.20	2.30	4.65	2.41	5.58	0.86	1.15	2.88	11.82	2.70	0.46	41.10
1884.	0.57	3.26	2.19	1.73	4.53	13.28	11.72	5.79	7.28	1.59	5.67	2.32	59.93
1885.	2.85	5.55	4.92	0.53	7.57	9.27	2.71	10.28	11.15	4.61	0.42	1.27	61.13
1886.	1.96	0.45	4.99	8.90	0.88	6.70	11.23	4.21	6.22	11.94	0.17	3.28	60.93
1887.	2.43	1.28	1.95	8.24	2.95	6.47	3.81	6.06	11.96	8.19	1.90	1.89	57.13
1888.	0.74	6.01	1.46	1.69	2.46	4.68	5.65	2.45	8.01	3.31	3.15	8.55	48.16
1889.	10.21	4.96	1.03	4.75	1.30	14.28	8.09	6.95	3.83	1.33	1.16	0.00	57.89
1890.	0.56	1.15	1.03	0.78	11.58	5.45	9.34	2.21	6.41	3.85	4.00	3.15	49.51
1891.	1.79	1.25	3.42	7.50	1.63	5.45	3.15	3.65	10.70	5.39	1.67	2.57	48.17
1892.	0.42	2.77	0.56	1.04	3.13	5.83	5.03	2.37	8.04	3.59	0.40	1.60	34.84
1893.	1.40	4.23	2.95	0.32	2.45	7.67	4.26	4.46	4.77	9.14	1.99	2.42	46.06
1894.	1.63	0.21	0 84	0.22	0.74	6.77	3.87	5.79	15.77	2.14	5.58	1.30	44.86
1895.	2.26	3.29	1.27	3.83	9.31	7.35	2.27	4.25	4.40	6.59	4.24	1.11	50.17
1896.	5.87	2.26	1.42	0.20	2.01	10.45	2.43	5.63	4.92	2.17	2.22	2.12	41.70
1897.	1.67	2.34	2.45	3.18	1.16	6.84	2.59	1.91	17.97	10.81	5.99	2.18	59.09
1898.	0.30	1.22	0.68	0.51	0.73	0.64	6.12	8.69	3.97	5.69	1.43	3.46	33.44
1899.	5.60	6.32	1.01	1.86	0.37	0.63	8.14	7.55	6.00	21.88	0.68	2.48	62.52
1900.	4.85	1.57	6.55	1.57	3.63	6.10	4.34	0.28	3.29	5.23	0.82	4.67	42.90
1901.	1.10	1.34	6.69	2.17	3.12	9.89	2.15	4.71	9.32	0.82	0.63	2.36	44.30
1902.	0.69	3.84	1.05	1.43	1.83	11.14	5.18	8.50	10.68	9.20	1.43	1.74	56.71
1903.	4.56	6.39	5.39	0.44	2.59	3.73	2.78	6.78	7.82	0.84	2.67	1.31	45.30
1904.	6.47	4.02	1.83	2.88	3.80	7.58	1.88	4.05	5.61	6.33	3.73	0.81	48.99
1905.	0.44	0.84	2.99	4.75	7.31	4.37	9.82	5.84	13.57	4.24	1.54	9.18	64.89
1906.	3.13	2.22	2.20	0.23	10.36	6.66	9.54	3.47	3.04	3.11	0.56	0.20	44.72
1907.	0.35	0.24	0.00	1.87	3.75	6.96	9.63	3.32	5.61	1.84	0.33	3.43	37.33
1908.	3.12	......	......	......	......	......	......	......	......	......	3.42	2.46	......
1909.	2.70	0.35	2.43	3.90	3.96	2.44	8.50	6 38	4.97	2.59	0.81	1.03	40.06
1910.	0.57	1.09	2.04	0.30	1.43	7.43	3.92	3.76	5.50	13.84	0.67	0.42	40.97
1911.	0.98	0.08	1.60	1.26	4.46	3.23	6.17	6.03	1.82	5.02	8.17	1.76	40.58
1912.	6.72	2.00	2.90	2.47	6.11	7.61	4.99	4.49	5.54	5.36	2.75	2.82	53.76
Mns	3.01	2.49	2.48	2.76	3.79	6.71	5.54	5.39	7.53	5.84	2.39	2.40	50.33

TITUSVILLE, BREVARD COUNTY, FLA.

Elevation, 15 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887.	......	......	......	......	......	......	7.82	2.47	6.32	12.17	0.88	1.91	......
1888.	0.74	7.11	2.16	2.59	2.92	6.56	5.62	4.40	6.35	3.75	8.68	9.08	59.96
1889.	10.52	5.49	1.57	2.00	0.79	11.62	7.59	3.30	2.87	2.05	0.97	0.03	48.80
1890.	0.34	0.83	3.84	0.76	15.14	6.26	7.49	3.74	8.54	2.21	3.26	0.92	53.33
1891.	0.96	1.85	4.43	4.45	2.46	10.65	5.75	3.48	11.75	8.38	2.12	3.90	60.18
1892.	1.07	2.09	1.30	1.08	3.80	8.76	0.97	2.24	16.67	6.75	0.56	2.41	47.70
1893.	2.18	3.15	3.83	1.72	3.86	6.67	4.13	3.58	4.73	8.67	2.88	2.40	47.80
1894.	4.35	0.45	0.64	0.17	0.93	4.49	6.18	5.33	14.46	3.63	2.41	0.68	43.72
1895.	0.88	3.61	1.04	4.50	7.10	8.46	4.82	4.06	8.41	5.73	......	......	......
1896-1900.	......	......	......	......	......	......	......	......	......	......	......	......	......
1901.	......	7.80	3.70	1.54	1.66	9.97	1.62	6.30	8.10	......	2.22	1.90	......
1902.	0.86	5.02	2.73	1.19	0.27	4.14	6.69	7.01	7.31	8.78	1.77	......	......
1903	......	6.47	6.68	0.43	7.53	9.89	5.02	4.77	......	......	......	......	......
1904.	......	......	1.12	1.81	1.07	7.09	6.22	4.60	6.70	5.97	3.19	0.95	......
1905.	0.67	2.53	3.15	2.71	5.60	4.67	11.90	10.29	13.45	1.86	......	8.63	......
1906.	2.56	2.28	1.36	1.57	9.78	5.11	9.21	......	......	2.73	......	......	......
1907.	......	......	......	2.02	7.90	......	......	......	......	......	......	4.04	......
1908.	2.10	......	......	......	......	......	......	......	......	3.40	4.24	1.85	......
1909.	1.57	1.14	......	......	......	......	8.25	7.35	6.15	0.35	0.89	0.65	......
1910.	0.55	2.33	2.19	0.50	......	......	......	......	2.67	7.99	1.58	0.80	......
1911.	1.58	0.09	1.95	0.52	5.23	8.47	6.78	7.35	1.78	3.79	5.09	4.82	47.45
1912.	8.83	1.12	2.24	4.39	6.85	15.51	3.23	10.00	4.56	6.41	2.80	1.18	67.12
Mns	2.48	3.14	2.59	1.89	4.87	8.02	6.07	5.31	7.69	5.26	2.72	2.71	52.74

SOUTH COAST GROUP.

MIAMI, DADE COUNTY, FLA.

Elevation, 5 feet.

1855.	8.92	0.20	3.90	3.00	14.69	3.20	11.32	4.70	5.70	7.90	2.90	1.80	68.23
1856.	8.00	1.50	4.90	2.00	4.70	6.70	4.80	1.20	8.40	10.10	0.50	0.00	52.80
1857.	0.20	1.50	5.50	3.90	3.20	6.20	12.00	6.56	6.23	5.78	3.79	4.61	59.47
1858.	6.87	3.38	5.18	0.85	1.31	......	......	......	......	......	......	......	......
1859-1871.	......	......	......	......	......	......	......	......	......	......	......	......	......
1872.	2.10	3.15	1.90	2.80	1.90	10.30	4.90	3.70	12.90	10.40	1.18	4.80	60.03
1873.	6.50	3.15	3.50	3.70	4.80	8.00	5.70	2.10	4.80	4.10	1.18	1.60	49.13
1874.	**2.96**	**3.15**	4.10	0.61	7.55	5.30	14.30	9.50	16.90	13.30	2.90	**2.68**	83.25
1875.	**2.96**	**3.15**	0.40	5.10	8.80	3.30	7.70	5.70	5.20	4.90	0.60	0.40	48.21
1876.	2.10	2.10	2.10	1.50	8.60	4.90	6.00	6.30	14.90	15.30	1.90	3.50	69.20
1877.	1.40	5.80	4.10	**2.81**	14.80	3.90	13.60	12.70	**12.39**	7.00	**1.18**	4.70	84.38
1878.	4.60	2.90	4.80	4.20	7.60	14.30	9.40	9.40	25.10	6.10	0.40	0.27	89.07
1879.	0.20	1.80	2.80	1.80	2.50	6.40	9.20	14.48	6.90	15.40	0.10	3.50	65.08
1880.	3.80	......	0.80	......	......	......	......	......	......	......	......	......	......
1881-1894.	......	......	......	......	......	......	......	......	......	......	......	......	......
1895.	......	......	......	......	......	......	......	......	3.50	......	3.00	0.92	......
1896.	0.45	3.75	2.14	0.10	2.32	13.55	3.35	6.40	6.45	1.25	1.00	1.80	42.56
1897.	4.70	1.90	0.75	10.55	7.20	5.30	......	2.20	20.35	7.35	1.15	1.00	......
1898.	0.00	2.45	2.60	0.60	1.65	0.70	5.92	9.35	4.07	14.65	0.40	1.50	43.89
1899.	3.30	2.77	1.65	10.75	1.40	......	......	......	9.66	10.20	1.75	2.45	......
1900.	5.25	1.85	5.20	6.45	......	......	......	......	......	......	......	......	......
1901.	......	T.	1.76	1.97	10.42	21.72	8.18	10.85	15.30	4.92	......	1.55	......
1902.	0.00	5.91	0.00	1.85	0.94	6.01	3.28	5.33	7.81	4.17	7.12	1.86	44.28
1903.	4.99	4.70	3.82	......	1.35	10.48	......	......	12.54	4.48	3.70	T.	......
1904.	1.70	1.65	3.10	2.04	12.28	6.06	2.94	9.15	8.76	10.08	5.21	0.40	63.37
1905.	2.65	0.64	1.69	1.32	3.93	7.61	3.63	13.71	11.99	......	3.65	12.08	......
1906.	3.20	3.78	4.38	2.33	7.89	8.60	9.26	8.94	2.39	13.68	7.56	0.00	72.01
1907.	1.48	0.16	0.72	0.73	3.41	8.47	3.78	3.60	3.76	2.77	3.08	1.19	33.15
1908.	3.46	0.97	1.66	2.63	8.53	13.75	5.21	7.76	11.02	27.86	1.65	0.86	85.36
1909.	5.45	T.	0.83	8.29	7.97	3.61	4.38	9.44	13.93	21.08	0.60	1.20	76.78
1910.	1.46	0.70	0.67	1.16	3.06	6.78	5.12	6.90	3.67	21.45	0.45	0.55	51.97
1911.	1.82	T.	1.10	10.11	12.12	2.83	4.08	6.27	4.42	3.53	5.94	1.90	54.12
1912.	4.26	2.08	3.76	5.61	11.17	14.63	5.99	2.93	2.08	3.29	10.67	1.90	68.37
Mns	3.27	2.24	2.66	3.53	6.29	7.79	6.83	7.16	9.32	9.66	2.73	2.13	63.61

The values from 1855 to May, 1858, inclusive, are for Fort Dallas; from 1872 to March, 1880, for Biscayne Bay, both places same as Miami, and from September, 1895, to April, 1900, for Lemon City, 4 miles north of Miami.

FLAMINGO, MONROE COUNTY, FLA.

Elevation, 4 feet.

1901.	......	......	......	2.68	3.15	19.75	7.51	12.65	11.52	2.74	T.	2.60	......
1902.	T.	0.90	0.00	2.45	3.05	4.15	2.94	7.10	3.55	5.30	2.55	1.13	33.12
1903.	3.45	1.35	4.20	1.12	1.12	7.98	......	......	......	2.40	T.	0.09	......
1904.	1.36	T.	T.	1.08	6.47	5.25	......	......	......	7.41	5.66	1.00	......
1905.	T.	0.09	1.12	1.08	5.11	1.29	......	......	......	1.13	T.	10.10	......
1906.	6.40	......	2.30	T.	3.45	......	......	......	......	......	......	......	......
1907.	......	0.00	0.00	0.22	1.34	5.61	5.07	5.06	4.86	2.43	1.13	1.38	......
1908.	1.67	1.81	0.71	5.73	1.26	10.92	5.71	12.67	5.01	......	......	......	......
Mns	2.15	0.69	1.19	1.80	3.12	7.85	5.31	9.27	6.24	3.57	1.56	2.72	45.57

KEY WEST, MONROE COUNTY, FLA.

Elevation, 14 feet.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1832.	......	......	......	......	......	......	......	......	......	4.70	1.75	0.30	......
1833.	2.20	1.50	0.50	0.85	3.35	1.90	4.30	3.10	4.45	1.03	2.08	2.30	27.56
1834.	0.33	0.00	1.97	1.75	11.46	0.10	2.70	3.46	3.80	8.85	1.68	0.01	36.11
1835.	2.40	0.00	0.05	1.15	3.61	3.15	3.26	5.93	5.90	0.43	1.43	2.78	30.09
1836.	2.35	1.18	1.45	0.60	6.95	4.40	1.10	0.70	3.25	1.65	0.53	0.25	24.41
1837.	1.83	0.92	0.75	2.42	5.35	1.68	1.65	7.50	5.80	6.05	3.35	1.65	38.95
1838.	0.05	0.05	0.00	0.02	0.82	4.86	1.15	3.05	3.47	0.40	5.75	0.87	20.49
1839-1842.	......	......	......	......	......	......	......	......	......	......	......	......	......
1843.	......	......	......	......	1.03	1.85	1.20	2.99	4.65	6.83	0.90	1.31	......
1844.	0.32	1.23	0.13	0.05	1.36	7.13	1.26	2.63	8.50	14.07	0.44	1.28	38.40
1845.	4.42	0.14	3.67	2.06	4.33	6.07	5.00	......	......	......	......	......	......
1846-1848.	......	......	......	......	......	......	......	......	......	......	......	......	......
1849.	......	......	......	......	......	......	......	14.60	3.26	10.18	......	......	......
1850.	......	......	......	......	......	......	2.02	3.38	3.93	4.18	0.01	2.10	......
1851.	2.40	0.88	1.50	1.80	3.89	8.19	2.78	6.78	12.37	9.23	1.55	2.32	53.69
1852.	1.47	2.46	6.80	1.93	0.23	6.87	5.83	5.81	5.03	4.19	2.63	3.16	46.41
1853.	2.23	0.43	10.23	0.13	0.62	17.06	2.61	4.58	4.23	1.43	1.34	0.85	45.74
1854.	1.76	2.85	0.77	2.68	2.05	4.91	3.70	4.86	9.27	3.12	0.23	8.45	44.65
1855.	4.03	1.16	2.15	0.25	3.02	4.06	4.22	6.08	7.62	5.62	3.92	2.51	44.64
1856.	5.05	3.74	1.65	0.42	2.66	2.15	7.59	3.00	6.30	6.08	1.28	0.36	40.28
1857.	0.65	0.86	2.73	1.69	0.71	2.08	11.00	3.84	9.11	4.29	1.10	0.81	38.87
1858.	1.77	2.43	1.70	0.25	3.45	7.29	3.39	1.95	8.49	1.22	2.90	0.91	35.75
1859.	2.39	0.76	0.06	0.19	2.21	3.99	3.37	4.07	2.34	6.55	4.85	0.78	31.56
1860.	0.54	1.12	2.55	2.53	0.28	0.44	2.09	5.35	10.48	5.27	1.93	1.97	34.55
1861.	0.32	0.74	0.58	1.38	2.90	9.38	2.70	3.26	2.74	3.48	0.38	2.68	30.54
1862.	2.84	1.30	0.55	2.38	2.50	4.66	3.75	6.38	3.23	4.81	0.95	0.17	33.52
1863.	0.90	0.67	0.02	0.70	4.06	1.47	2.30	2.17	6.05	2.85	1.50	7.92	30.61
1864.	5.45	3.80	1.84	2.75	0.45	3.85	5.93	8.08	2.05	5.27	0.15	4.45	44.07
1865.	2.20	6.10	3.02	0.01	0.71	2.42	4.00	9.83	7.51	4.41	0.60	0.60	41.41
1866-1869.	......	......	......	......	......	......	......	......	......	......	......	......	......
1870.	3.20	2.06	3.00	0.00	0.64	15.94	7.42	13.00	9.22	8.22	3.06	3.93	69.69
1871.	0.39	0.39	0.08	0.02	7.22	2.62	5.76	3.43	6.30	3.25	1.90	3.32	34.68
1872.	1.60	7.19	1.04	0.08	1.01	2.24	6.92	4.82	3.15	2.09	0.98	0.65	31.77
1873.	3.91	0.16	0.04	2.06	1.02	3.86	4.95	3.67	6.23	1.13	2.30	3.42	32.75
1874.	2.90	1.73	0.11	1.55	2.78	4.54	3.03	3.78	7.42	3.43	1.21	0.27	32.75
1875.	1.34	0.38	0.07	2.29	4.27	1.24	2.15	9.20	10.67	2.95	1.13	0.66	36.35
1876.	0.51	1.65	0.42	0.60	3.32	5.97	5.48	4.38	3.13	9.27	2.50	0.72	37.95
1877.	0.91	2.61	1.17	0.46	4.53	3.92	2.14	5.51	5.04	5.17	5.00	1.69	38.15
1878.	5.26	4.74	2.95	1.02	2.66	5.12	7.06	4.63	8.04	5.46	1.03	1.06	49.03
1879.	4.28	3.13	0.45	0.65	5.11	7.20	1.46	5.61	9.71	14.20	2.24	4.50	58.54
1880.	1.20	0.33	0.93	0.33	7.84	1.81	4.61	7.30	3.59	2.81	1.95	0.71	33.41
1881.	3.65	0.35	0.46	4.99	4.01	7.47	5.97	6.91	10.71	1.99	4.62	1.97	53.10
1882.	1.33	0.40	0.01	3.93	7.46	3.48	4.45	4.97	6.16	4.81	2.94	1.92	41.86
1883.	2.82	0.80	0.87	0.54	5.58	3.29	1.51	6.08	5.17	19.77	0.84	0.97	48.24
1884.	1.82	1.70	0.16	0.98	0.35	4.56	2.36	3.16	7.08	3.17	6.03	1.68	33.05
1885.	4.09	4.07	1.19	0.47	2.48	3.58	3.15	2.55	5.23	5.07	0.43	1.72	34.03
1886.	1.45	0.13	1.30	1.99	0.11	2.51	6.72	4.54	7.10	3.32	0.13	0.83	30.13
1887.	0.77	0.90	1.99	0.78	2.48	8.22	5.52	2.14	7.30	9.40	1.33	2.79	43.62
1888.	0.37	0.51	0.91	1.15	2.65	0.88	9.04	2.00	5.45	3.42	4.74	4.46	35.58
1889.	2.42	1.05	6.89	1.15	1.08	6.48	1.51	9.40	13.87	3.16	5.38	0.28	52.67
1890.	1.06	2.38	2.17	1.11	3.84	3.33	3.70	2.25	16.14	1.86	4.67	0.36	42.87
1891.	2.22	0.74	1.93	0.81	0.24	2.76	0.88	10.13	10.39	6.42	2.02	1.21	39.75
1892.	0.58	1.71	2.15	0.72	0.84	6.10	1.69	1.59	4.05	3.67	0.95	0.86	24.91
1893.	2.86	0.91	T.	0.56	2.28	2.69	3.09	1.94	2.23	3.75	0.48	1.18	22.00
1894.	1.21	0.02	1.13	0.03	4.53	3.27	2.30	4.35	17.29	6.91	1.04	0.26	42.34
1895.	3.26	2.62	1.34	1.87	1.41	2.92	0.62	4.92	4.41	4.77	0.24	0.81	29.19
1896.	0.90	2.11	1.61	0.08	0.54	3.10	3.18	2.37	4.22	1.93	3.47	2.21	25.72
1897.	3.90	1.06	0.38	4.45	4.38	2.10	3.98	6.35	9.11	7.08	1.40	2.07	46.46
1898.	0.34	0.22	0.70	0.61	3.26	2.44	2.28	5.73	5.33	16.99	2.24	3.25	43.39
1899.	4.12	2.89	0.14	1.47	0.64	2.47	3.61	3.80	3.27	4.66	0.95	1.53	29.55
1900.	2.32	1.34	2.58	1.18	9.55	8.68	3.23	3.02	10.00	5.85	0.37	0.69	48.81
1901.	0.33	0.47	2.68	0.46	2.74	5.65	5.58	5.75	7.15	0.79	0.25	5.17	37.02
1902.	0.15	3.88	0.22	0.82	0.28	9.59	1.57	5.35	3.37	6.36	4.90	2.12	38.61
1903.	3.43	1.97	3.23	0.55	0.76	4.74	2.87	4.24	3.00	4.10	0.76	0.71	30.36
1904.	1.42	1.08	1.94	1.51	13.01	1.70	1.40	4.24	3.55	1.57	6.22	0.34	37.98
1905.	0.69	0.30	6.13	3.71	0.54	2.40	3.58	3.14	7.03	4.09	0.20	10.03	41.84
1906.	3.52	3.78	3.30	0.54	5.23	6.51	1.92	3.00	5.09	4.53	10.82	0.29	48.53
1907.	0.11	0.20	T.	0.46	3.52	5.96	0.68	2.16	8.17	2.10	1.49	1.80	26.65
1908.	0.63	1.73	0.48	0.18	0.60	11.43	1.25	7.74	7.14	6.29	0.66	0.70	38.83
1909.	1.82	0.10	0.35	3.01	6.70	9.71	1.21	8.56	6.35	16.87	0.06	1.61	56.35
1910.	0.62	0.83	0.35	0.03	0.86	1.06	2.57	3.21	6.42	10.95	1.35	0.18	28.43
1911.	0.64	0.01	1.84	1.49	2.88	3.89	3.04	7.89	2.05	5.32	6.00	0.62	35.67
1912.	4.05	3.35	1.80	0.25	6.96	9.04	2.36	1.69	4.35	6.17	1.17	2.26	43.45
Mns	2.00	1.55	1.59	1.20	3.14	4.73	3.48	4.91	6.39	5.38	2.13	1.90	38.40

Mean Temperature.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
West Coast Group.														
Brooksville	20	58.1	59.9	66.4	70.0	76.6	80.0	80.7	80.8	79.5	73.0	65.6	58.8	70.8
St. Leo	17	59.3	61.0	68.0	70.9	77.2	80.6	81.4	81.6	79.8	73.4	66.1	59.6	71.6
Tarpon Springs	20	58.4	60.4	66.4	70.2	75.4	79.2	80.4	80.9	79.6	73.4	65.8	59.5	70.8
Tampa	33	57.4	60.9	65.9	70.6	75.5	78.7	80.0	80.0	78.3	72.6	65.4	59.5	70.4
Bradentown	21	59.8	61.8	66.9	70.0	75.4	79.4	80.1	80.4	79.4	74.2	66.9	60.8	71.2
Fort Myers	21	62.1	63.8	68.8	71.8	76.6	79.5	80.4	80.7	79.6	75.2	69.0	63.4	72.6
South Interior Group.														
Eustis	21	58.8	60.4	66.9	71.2	77.5	81.1	82.5	82.4	80.2	73.5	65.9	59.8	71.7
Clermont	20	60.1	62.2	69.2	72.4	78.2	81.6	83.0	82.8	80.8	74.8	67.8	61.4	72.9
Orlando	20	59.8	61.2	68.0	71.0	76.6	80.2	82.0	82.0	79.6	73.9	66.5	60.2	71.8
Kissimmee	20	60.3	61.3	68.0	72.1	77.4	80.4	82.0	82.3	80.3	74.9	67.6	61.1	72.3
Plant City	19	60.2	61.6	68.0	71.2	76.2	80.2	80.9	81.2	79.0	73.4	66.2	60.4	71.5
Bartow	20	59.9	62.0	68.2	71.2	77.2	80.6	81.6	81.8	80.1	74.2	66.6	60.8	72.0
Avon Park	13	61.9	62.6	69.8	72.2	77.3	80.4	81.6	82.0	80.6	75.0	68.4	62.4	72.8
East Coast Group.														
Titusville	20	59.8	61.8	65.0	69.3	74.8	78.8	81.0	81.2	79.9	73.6	66.2	61.6	71.0
Merritts Island	21	61.4	62.8	68.3	71.6	76.8	80.1	81.6	81.8	80.4	75.8	69.1	62.8	72.7
Fort Pierce	11	62.8	63.6	68.8	71.1	75.6	78.8	80.2	80.6	79.8	76.0	69.0	63.4	72.5
Jupiter	18	64.3	66.3	69.4	72.2	76.4	79.6	81.0	81.5	80.6	76.8	71.6	66.3	73.8
Hypoluxo	13	66.0	67.0	70.6	72.9	76.8	79.4	81.2	81.3	81.0	77.7	72.4	68.0	74.5
South Coast Group.														
Miami	22	67.3	68.8	72.0	74.2	78.6	80.4	81.9	82.0	81.5	77.8	72.0	68.0	75.4
Key West	33	68.8	70.0	72.8	75.5	79.0	82.2	83.7	83.8	82.5	78.7	74.3	70.1	76.8

Mean Maximum Temperature.

West Coast Group.														
Brooksville	20	68.4	70.6	78.1	81.3	87.8	89.8	89.4	89.2	88.2	82.5	75.8	69.1	80.8
St. Leo	17	69.9	72.2	79.8	83.3	89.4	91.7	91.4	91.1	89.2	82.8	76.3	70.0	82.3
Tarpon Springs	20	69.0	71.0	77.4	81.0	85.5	88.1	88.7	89.1	88.4	83.0	76.3	70.2	80.6
Tampa	23	68.7	70.3	76.6	80.2	85.7	88.6	89.1	89.2	88.0	82.0	75.8	69.9	80.3
Bradentown	21	71.1	73.1	79.2	82.0	87.4	89.8	89.8	89.6	88.6	83.8	77.6	71.9	82.0
Fort Myers	21	71.2	73.9	79.2	82.4	86.7	87.7	87.9	87.9	86.5	82.1	77.3	72.3	81.3
South Interior Group.														
Eustis	21	69.8	71.3	78.7	83.2	89.3	91.4	92.0	92.0	89.6	83.4	77.0	70.6	82.4
Clermont	20	70.6	72.8	80.7	84.2	89.7	91.8	93.0	92.1	89.6	83.9	78.0	71.5	83.2
Orlando	20	70.5	72.0	79.6	82.5	87.6	89.9	91.5	91.1	88.0	82.2	76.4	70.6	81.8
Kissimmee	20	71.3	72.5	80.0	83.7	88.6	90.9	91.9	92.2	89.6	84.3	78.3	72.0	82.9
Plant City	19	72.5	73.9	81.0	84.6	89.3	91.5	91.1	90.9	87.9	83.8	77.4	72.6	83.0
Bartow	20	71.4	73.9	81.0	84.2	89.3	91.0	91.3	91.2	89.1	83.7	77.6	72.2	83.0
Avon Park	13	73.4	74.4	82.0	84.6	88.6	90.4	91.3	91.3	89.5	84.3	78.8	73.7	83.5
East Coast Group.														
Titusville	20	69.0	71.2	74.2	79.0	84.1	87.1	89.7	89.1	86.7	81.0	74.5	70.8	79.7
Merritts Island	21	69.0	70.6	76.4	79.4	83.7	86.4	88.0	88.3	86.3	81.5	75.6	70.2	79.6
Fort Pierce	11	71.7	73.6	78.5	81.1	84.8	87.5	89.1	89.1	87.2	83.3	77.5	73.0	81.4
Jupiter	23	72.4	73.4	76.5	78.9	82.9	85.2	87.0	87.6	85.8	81.8	77.5	73.2	80.2
Hypoluxo	13	74.3	75.6	78.6	81.3	84.1	86.6	88.6	88.8	87.8	84.4	79.4	76.0	82.1
South Coast Group.														
Miami	17	75.0	76.8	79.7	82.5	86.1	87.8	89.2	89.7	88.5	85.0	80.3	76.2	83.1
Key West	42	74.2	75.4	77.6	80.4	84.0	87.0	88.7	88.9	87.4	82.8	78.3	74.3	81.6

Mean Minimum Temperature.

West Coast Group.														
Brooksville	20	47.8	49.2	54.7	58.8	65.4	70.3	72.0	72.3	70.8	63.4	55.3	48.6	60.7
St. Leo	17	48.7	49.9	56.2	58.5	65.1	69.6	71.5	72.1	70.3	63.9	55.9	49.1	60.9
Tarpon Springs	20	47.8	49.9	55.3	59.3	65.3	70.2	72.1	72.7	70.8	63.7	55.2	48.8	60.9
Tampa	23	50.7	52.4	58.0	61.4	67.3	71.5	73.2	73.5	71.9	65.5	57.6	52.0	62.9
Bradentown	21	48.5	50.5	54.6	57.9	63.3	69.0	70.4	71.2	70.2	64.6	56.2	49.8	60.5
Fort Myers	21	53.0	53.8	58.4	61.3	66.6	71.3	72.9	73.5	72.8	68.2	60.8	54.5	63.9
South Interior Group.														
Eustis	21	47.8	49.6	55.1	59.3	65.7	70.8	73.0	72.9	70.8	63.6	54.8	49.0	61.0
Clermont	20	49.6	51.6	57.8	60.6	66.8	71.3	72.9	73.4	71.9	65.8	57.6	51.3	62.6
Orlando	20	49.2	50.3	56.3	59.5	65.6	70.5	72.6	72.9	71.1	65.6	56.6	49.8	61.7
Kissimmee	20	49.3	50.1	56.1	60.5	66.1	70.0	72.0	72.4	71.0	65.5	56.8	50.2	61.7
Plant City	19	47.8	49.2	55.0	57.7	63.2	68.9	70.7	71.4	70.1	63.0	54.9	48.3	60.0
Bartow	20	48.4	50.2	55.5	58.1	65.1	70.2	71.9	72.3	71.1	64.7	55.7	49.3	61.0
Avon Park	13	50.4	50.9	57.7	59.9	66.0	70.3	72.0	72.6	71.7	65.7	57.9	51.1	62.2
East Coast Group.														
Titusville	20	50.6	52.5	55.9	59.6	65.6	70.4	72.2	73.3	72.1	66.1	58.0	52.3	62.4
Merritts Island	21	53.8	54.9	60.2	63.8	69.8	73.8	75.1	75.3	74.5	70.2	62.6	55.5	65.8
Fort Pierce	11	53.9	53.5	59.1	61.1	66.4	70.2	71.2	72.0	72.3	68.7	60.4	53.8	63.6
Jupiter	23	58.0	59.[illegible]	62.6	65.2	69.9	72.8	74.7	75.0	74.4	70.7	65.6	59.6	67.4
Hypoluxo	13	57.6	58.5	62.7	64.5	69.6	72.1	73.7	73.8	74.2	71.0	65.4	60.0	66.9
South Coast Group.														
Miami	17	58.2	59.5	64.0	65.6	70.5	73.5	74.8	74.8	74.4	70.6	66.6	60.7	67.8
Key West	42	64.9	66.2	68.9	71.1	74.6	77.3	78.6	78.4	77.3	74.6	70.4	65.9	72.4

Highest Temperatures.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
West Coast Group.														
Brooksville	20	87	90	95	98	100	100	102	101	98	97	91	86	102
St. Leo	17	85	88	95	95	100	101	102	101	95	95	88	85	102
Tarpon Springs	20	85	89	91	92	100	96	96	97	97	93	90	86	100
Tampa	23	82	86	92	90	94	95	96	96	96	93	87	83	96
Bradentown	21	88	89	90	92	97	100	99	96	97	93	88	85	100
Fort Myers	21	89	86	92	93	94	94	94	93	93	90	87	88	94
South Interior Group.														
Eustis	21	86	88	96	96	100	103	104	101	100	98	91	85	104
Clermont	20	87	89	98	98	100	102	103	101	102	98	92	89	103
Orlando	20	85	89	97	98	100	100	100	99	98	98	90	86	100
Kissimmee	20	90	86	94	95	99	100	100	101	100	95	90	88	101
Plant City	19	86	90	99	97	98	104	100	99	98	98	90	91	104
Bartow	20	89	90	97	99	100	101	100	100	97	96	91	87	101
Avon Park	13	86	87	96	97	97	99	98	99	96	96	92	90	99
Arcadia	13	87	89	92	98	100	99	101	101	96	95	92	89	101
East Coast Group.														
Titusville	20	84	87	90	95	97	99	99	100	98	99	92	86	100
Merritts Island	21	89	86	88	90	96	94	95	97	94	93	89	85	97
Fort Pierce	11	83	90	93	96	96	98	98	98	96	95	90	88	98
Jupiter	24	83	87	89	90	93	95	96	96	93	94	87	86	96
Hypoluxo	13	91	89	92	93	95	97	99	98	97	95	90	87	99
South Coast Group.														
Miami	17	35	88	92	93	94	94	96	96	94	93	88	91	96
Key West	42	90	87	89	91	93	100	100	100	97	92	91	88	100
Flamingo	7	88	88	90	94	96	94	98	98	97	96	91	86	98

Lowest Temperatures.

West Coast Group.														
Brooksville	20	18	16	30	40	48	60	63	64	50	37	24	17	16
St. Leo*	17	20	19	32	42	49	60	63	65	50	33	26	25	19
Tarpon Springs	20	21	20	31	38	48	50	64	65	52	38	26	19	19
Tampa	23	23	22	32	38	53	64	65	66	54	43	32	19	19
Bradentown	21	20	21	31	39	47	59	61	62	56	39	29	19	19
Fort Myers	21	27	28	39	45	50	58	67	68	61	47	35	24	24
South Interior Group.														
Eustis	21	20	16	28	35	48	58	65	63	52	40	26	16	16
Clermont	20	21	18	32	42	52	60	65	64	52	43	30	20	18
Orlando	20	21	19	32	41	51	59	64	63	50	41	28	18	18
Kissimmee	20	20	19	31	42	48	55	62	62	54	43	30	19	19
Plant City	19	15	21	30	35	44	57	61	64	51	38	25	19	15
Bartow	20	18	22	31	38	46	58	65	65	53	38	28	20	18
Avon Park	13	22	23	37	44	51	61	66	66	61	43	30	21	21
Arcadia*	13	23	27	31	40	48	61	63	62	58	41	28	22	22
East Coast Group.														
Titusville	20	19	19	32	34	49	59	62	64	58	42	32	18	18
Merritts Island	21	24	22	37	40	55	65	65	64	56	48	34	22	22
Fort Pierce*	11	24	31	36	40	52	62	61	66	60	49	34	28	24
Jupiter	24	24	27	33	39	53	64	67	68	61	48	36	24	24
Hypoluxo	13	26	32	41	46	56	64	67	62	64	52	37	26	26
South Coast Group.														
Miami*	17	29	27	30	46	52	61	69	67	62	53	38	32	29
Key West	42	41	44	48	54	63	69	68	68	69	59	51	44	41
Flamingo*	7	30	37	39	49	50	61	67	67	70	53	42	29	29

* Record does not include cold waves of 1894 and 1895.

Average Number of Days with .01 Inch or More of Precipitation.

West Coast Group.														
Brooksville	20	6	6	4	4	6	12	15	14	12	6	4	6	95
St. Leo	17	6	7	6	5	8	15	20	19	14	8	6	7	121
Tarpon Springs	21	6	6	6	3	5	12	16	15	12	6	4	6	97
Tampa	23	7	7	6	5	7	15	18	18	15	7	5	7	119
Bradentown	21	5	5	4	4	6	14	16	16	14	6	4	5	99
Fort Myers	21	4	4	4	3	7	15	15	14	13	7	4	4	94
South Interior Group.														
Eustis	21	6	6	6	5	7	13	16	16	12	8	6	6	107
Clermont	20	4	5	5	5	7	11	14	14	11	6	4	5	91
Orlando	20	6	6	6	5	8	12	16	16	14	9	6	7	111
Kissimmee	20	5	4	4	4	6	11	13	12	11	7	4	4	85
Bartow	17	5	5	5	4	7	14	18	16	12	7	5	6	104
Avon Park	11	6	5	6	6	10	17	19	18	16	10	6	6	125
Arcadia	12	5	6	6	4	9	16	17	18	14	8	4	6	113
East Coast Group.														
Titusville	10	8	9	8	6	10	14	16	14	17	11	9	8	130
Merritts Island	20	6	6	5	4	7	10	10	11	11	10	6	6	92
Fort Pierce	11	7	5	6	3	8	10	11	11	11	10	7	4	93
Jupiter	23	10	8	7	7	10	14	14	15	17	15	9	9	135
South Coast Group.														
Hypoluxo	13	8	5	5	5	11	14	13	14	15	15	6	7	118
Key West	42	7	6	4	4	8	12	13	15	16	13	8	7	113

Average Hourly Wind Movement (miles per hour).

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Jupiter	23	10.7	10.8	11.3	11.2	10.2	8.9	8.1	8.1	9.3	11.7	11.1	10.5	10.2
Key West	43	11.2	10.9	10.9	10.4	9.4	7.9	7.6	7.4	8.0	11.4	11.2	11.2	9.8
Tampa	23	6.8	7.5	7.4	7.5	6.9	6.4	5.7	5.5	6.2	7.4	6.6	6.8	6.7
Titusville	7	10.1	10.4	11.7	11.7	11.4	10.4	9.1	9.3	10.3	11.5	10.4	9 7	10.5

Mean Relative Humidity.

		Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct
Jupiter	8 a.m.	83	83	80	76	78	81	80	82	82	81	81	83	81
	8 p.m.	79	78	77	75	80	84	83	83	83	79	78	79	80
Key West	8 a.m.	82	82	77	74	74	76	73	74	77	79	80	82	78
	8 p.m.	80	79	76	74	75	77	75	75	78	78	79	80	77
Tampa	8 a.m.	88	85	85	79	79	82	83	85	87	84	86	87	84
	8 p.m.	76	75	74	70	72	78	81	82	81	76	76	77	76
Titusville	8 a.m.	86	89	83	81	80	84	83	84	84	83	85	87	84
	8 p.m.	83	84	80	79	79	84	83	84	84	80	82	84	82

Direction of Prevailing Wind.

Jupiter	nw	s	se	se	se	se	se	se	ne	ne	e	nw	se
Key West	ne	ne	e	e	e	e	e	e	e	ne	ne	ne	e
Tampa	ne	ne	ne	w	ne	e	e	ne	ne	ne	ne	ne	ne
Titusville	nw	nw	se	se	se	se	sw	se	e	ne	nw	nw	se

Percentage of Possible Sunshine.

		Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct
Jupiter	23	60	62	67	73	67	60	64	64	62	53	61	57	62
Tampa	17	59	64	70	73	72	65	60	62	66	67	64	59	66

Frost Data.

Stations.	Length of record, years.	Average date of first killing frost.	Average date of last killing frost.	Date of earliest killing frost of record.	Date of latest killing frost of record.
West Coast Group.					
Brooksville	21	December 19	February 14	October 25	March 19*
Tampa	23	January 3	January 26	November 28	March 24†
Bradentown	21	January 3	January 26	November 28	March 24*
Fort Myers	21	§	§	December 19	February 19
South Interior Group.					
Orlando	21	December 21	February 7	November 18	March 19*
Bartow	17	December 19	February 11	November 14	April 7
Avon Park	12	December 22	January 17	November 14	February 25*
Arcadia	11	December 29	February 9	December 3	March 6*
East Coast Group.					
Merritts Island	21	§	§	December 21	February 19
Malabar	11	January 2	January 23	November 18‡	February 25*
Fort Pierce	11	January 5	January 21	November 18	February 25*
Jupiter	23	§	§	December 24	February 19†
South Coast Group.					
Marco	6	§	§	December 26	February 19
Miami	14	§	§	December 26	February 19
Flamingo	7	§	§	January 26	January 27
Key West	43	None.	None.	None.	None.

§ Killing frost too infrequent to obtain reliable average.
* Killing frost probably occurred on April 7, 1891, before establishment of station.
† In the immediate vicinity on April 7, 1891.
‡ No record, but date probably correct.

Maximum Rainfalls (inches and hundredths).

JUPITER (1888-1911).

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Greatest amt. 5 min	.32	.65	.45	.42	.35	.49	.45	.55	.61	.57	.33	.39	.65
Greatest amt 10 min	47	.86	.80	.65	.65	.86	.81	1.01	1.11	1.10	.58	.76	1.11
Greatest amt. 15 min	.67	*	1.00	.88	1.15	1.11	1.15	2.12	1.23	1.54	.84	.83	2.12
Greatest amt. 30 min	1.11	1.20	2.95	1.06	1.17	1.62	1.53	2.35	2.50	2.55	1.38	1.47	2.95
Greatest amt. 1 hr.	1.56	1.74	2.95	1.52	2.31	2.27	2.15	3.06	2.50	3.83	3.50	2.31	3.83
Greatest amt. 2 hrs.	*	1.78	2.95	†1.71	2.84	3.00	2.26	4.10	2.90	4.59	3.50	3.84	4.59
Greatest amt. 24 hrs	6.38	3.62	4.97	4.25	8.76	9.20	3.40	4.92	6.67	13.18	5.06	5.75	13.18
Greatest m't'y total	9.84	6.44	9.27	8.47	13.51	17.41	9.80	12.13	18.09	21.39	8.96	15.18	21.39

* Can not be determined.
† Greatest obtainable from records for exact period: it is probable the amount is too small, for 3.45 inches fell in 2 hours and 56 minutes in 1897.

Maximum Rainfall (inches and hundredths)—Continued.

MIAMI (1911-1912).

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Greatest amt. 5 min	.28	.26	.30	.38	.35	.50	.23	.42	.18	.34	.27	.29	.50
Greatest amt. 10 min	.41	.35	.50	.71	.69	.75	.39	.64	.29	.63	.49	.32	.75
Greatest amt. 15 min	.46	.42	.61	.95	.89	.91	.50	.87	.38	.88	.60	.32	.95
Greatest amt. 30 min	.58	.57	.78	1.17	1.56	1.08	.64	1.23	.72	1.48	.96	.53	1.56
Greatest amt. 1 hr.	.66	.63	1.05	1.18	2.64	1.12	1.15	1.34	.77	1.86	1.56	.61	2.64
Greatest amt. 2 hrs.	.70	.79	1.22	1.18	3.48	1.12	1.77	1.34	.90	2.03	2.99	.64	3.48
Greatest amt. 24 hrs	1.86	.94	2.08	2.17	4.91	2.64	1.80	2.12	1.90	2.10	7.74	.99	7.74
Greatest m't'y t'tal‡	5.45	5.91	5.20	10.75	12.28	21.72	9.26	13.71	20.35	21.45	10.67	12.08	21.72

‡ Record 16 years.

TAMPA (1890-1912).

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Greatest amt. 5 min	.47	.33	.55	.37	.53	1.00	.50	.59	.45	.50	.44	.42	1.00
Greatest amt. 10 min	.65	.59	1.05	.54	.78	1.50	.85	.90	.76	.60	.69	.82	1.50
Greatest amt. 15 min	.73	.64	1.40	.70	1.10	1.50	1.12	1.18	1.02	.60	.82	.94	1.50
Greatest amt. 30 min	.93	.94	1.50	1.40	1.76	2.45	1.84	1.49	1.52	.81	.99	1.33	2.45
Greatest amt. 1 hr.	1.28	1.30	1.65	1.40	2.74	3.13	2.58	3.90	2.65	1.33	1.50	1.98	3.90
Greatest amt. 2 hrs.	1.66	1.61	1.68	1.40	3.04	3.50	2.59	3.90	3.22	1.56	1.69	2.76	3.90
Greatest amt. 24 hrs	3.23	4.06	2.15	2.70	2.84	5.51	5.16	3.98	6.56	2.90	2.90	3.93	6.56
Greatest m't'y total	6.73	6.27	7.36	5.38	6.92	13.47	15.53	18.93	18.93	5.66	3.96	7.36	18.93

Temperatures of 32° F. and Below, with Dates.

[Temperatures in bold-face type interpolated from the record of surrounding stations.]

West Coast Group.

BROOKSVILLE, HERNANDO COUNTY (1892-1912).

1892—Mar. 19, 30°; Dec. 28, 31°. **1893**—Jan. 6, 30°; Jan. 11, 32°; Jan. 14, 29°; Jan. 16, 32°; Jan. 17, 27°; Jan. 21, 32°; Mar. 5, 30°. **1894**—Dec. 28, 17°; Dec. 29, 22°; Dec. 31, 29°. **1895**—Feb. 7, 16°; Feb. 8, 20°; Feb. 9, 29°; Feb. 13, 31°; Dec. 6, 29°; Dec. 31, 30°. **1896**—Jan. 5, 30°; Jan. 6, 32°; Feb. 18, 31°; Feb. 21, 32°. **1897**—Jan. 28, 24°; Jan. 29, 27°; Jan. 30, 32°. **1898**—Jan. 2, 24°; Jan. 3, 23°; Feb. 2, 29°; Dec. 6, 32°; Dec. 12, 32°. **1899**—Feb. 9, 26°; Feb. 13, 19°; Feb. 14, 18°; Mar. 8, 32°; Dec. 29, 31°. **1900**—Jan. 1, 29°; Jan. 2, 21°; Jan. 3, 29°; Jan. 29, 28°; Jan. 31, 32°; Feb. 1, 31°; Feb. 19, 32°. **1901**—Jan. 19, **27°**; Jan. 25, **31°**; Feb. 23, 29°; Feb. 24, 28°; Feb. 25, 31°; Feb. 26, 31°; Mar. 6, **32°**; Dec. 17, 30°; Dec. 18, 28°; Dec. 19, 29°; Dec. 20, 22°; Dec. 21, 23°; Dec. 22, 31°; Dec. 31, 32°. **1902**—Jan. 13, 31°; Jan. 14, 26°; Jan. 15, 32°; Feb. 3, 31°; Feb. 4, 31°; Feb. 11, 31°; Feb. 12, 32°; Feb. 19, 32°; Dec. 27, 25°; Dec. 28, 27°. **1903**—Jan. 9, 31°; Jan. 13, 30°; Feb. 18, 29°; Nov. 27, 30°; Nov. 28, 24°; Dec. 3, 32°; Dec. 4, 31°; Dec. 22, 31°; Dec. 27, 28°. **1904**—Dec. 18, 32°; Dec. 19, 31°; Dec. 29, 30°. **1905**—Jan. 5, 28°; Jan. 8, 30°; Jan. 9, 32°; Jan. 16, 31°; Jan. 17, 32°; Jan. 26, 18°; Jan. 27, 18°; Jan. 28, 25°; Jan. 29, 32°; Feb. 16, 29°. **1906**—Dec. 23, 29°; Dec. 24, 24°; Dec. 25, 24°; Dec. 26, 32°; Dec. 27, 26°. **1907**—Dec. 5, 32°. **1908**—Jan. 15, 30°; Jan. 25, 30°; Feb. 3, 28°; Feb. 4, 32°; Feb. 19, 30°; Feb. 21, **20°**; Feb. 23, **20°**. **1909**—Jan. 31, 26°; Feb. 1, 23°; Dec. 27, 32°; Dec. 30, 22°; Dec. 31, 24°. **1910**—Jan. 23, 32°; Feb. 14, 31°; Dec. 2, 30°; Dec. 3, 28°; Dec. 8, 31°; Dec. 21, 32°. **1911**—Jan. 5, 25°; Feb. 23, 32°; Feb. 24, 32°; Dec. 1, 30°. **1912**—Jan. 6, 31°; Jan. 16, 27°; Jan. 17, 32°; Feb. 1, 32°; Feb. 7, 27°; Feb. 8, 32°.

TAMPA, HILLSBORO COUNTY (1890-1912).

1890—Dec. 29, 31°. **1891**—Apr. 7*. **1892**—None. **1893**—Jan. 7, 31°; Jan. 14, 31°; Jan. 17, 29°; Mar. 5, 32°. **1894**—Dec. 29, 19°; Dec. 30, 23°. **1895**—Jan. 1, 31°; Feb. 8, 22°; Feb. 9, 23°; Feb. 10, 31°; Dec. 6, 32°. **1896**—Jan. 5, 32°. **1897**—Jan. 28, 31°; Jan. 29, 29°. **1898**—Jan. 2, 28°; Jan. 3, 27°; Feb. 2, 31°. **1899**—Feb. 9, 29°; Feb. 13, 26°; Feb. 14, 22°. **1900**—Jan. 2, 32°; Jan. 3, 27°; Jan. 30, 31°; Feb. 18, 28°; Feb. 19, 30°. **1901**—Feb. 24, 32°; Dec. 19, 30°; Dec. 21, 24°; Dec. 22, 30°. **1902**—Jan. 14, 30°; Dec. 27, 29°; Dec. 28, 29°. **1903**—Feb. 18, 32°; Nov. 28, 32°. **1904**—None. **1905** Jan. 25, 29°; Jan. 26, 23°; Jan. 27, 26°; Jan. 28, 30°. **1906**—Dec. 24, 28°; Dec. 25, 30°; Dec. 27, 31°. **1907**—None. **1908**—None. **1909**—Jan. 31, 30°; Feb. 1, 27°; Dec. 30, 27°; Dec. 31, 26°. **1910**—None. **1911**—Jan. 5, 31°. **1912**—None.

BRADENTOWN, MANATEE COUNTY (1892-1912).

1892—None. **1893**—Jan. 7, 32°; Jan. 14, 28°; Jan. 17, 28°; Dec. 19, 31°. **1894**—Jan. 31, 32°; Dec. 29, 19°; Dec. 30, 23°. **1895**—Jan. 1, 32°; Feb. 8, 24°; Feb. 9, 23°; Feb. 10, 26°; Feb. 11, 31°; Feb. 14, 31°; Dec. 6, 30°; Dec. 14, 29°. **1896**—Jan. 1, 31°; Jan. 2, 27°; Jan. 5, 31°; Jan. 6, 29°; Feb. 11, 32°; Feb. 18, 30°; Feb. 19, 32°. **1897** Jan. 7, 32°; Jan. 10, 29°; Jan. 27, 26°. **1898** Jan. 2, 31°; Jan. 3, 20°; Jan. 4, 30°; Feb. 2, 31°; Dec. 12, 32°. **1899**—Feb. 9, 32°; Feb. 13, 25°; Feb. 14, **21°**. **1900**—Jan. 3, 28°; Jan. 30, 29°; Feb. 18, 32°; Feb. 19, 29°. **1901**—Feb. 22, 30°; Feb. 25, 28°; Mar. 17, 31°; Nov. 18, 31°; Dec. 19, 29°; Dec. 21, 27°; Dec. 22, 31°. **1902** Jan. 14, 28°; Jan. 18, 30°; Dec. 27, 32°; Dec. 28, 31°. **1903**—Jan. 8, 32°; Nov. 28, 29°; Dec. 4, 30°. **1904**—None. **1905**—Jan. 5, 32°; Jan. 26, 29°; Jan. 27, 27°; Jan. 28, 24°. **1906**—Dec. 24, 30°; Dec. 25, 31°; Dec. 26, 30°; Dec. 27, 23°. **1907**—None. **1908**—None. **1909**—Feb. 1, 30°; Dec. 10, 32°; Dec. 30, 30°; Dec. 31, 29°. **1910**—Dec. 4, 32°. **1911**—None. **1912**—None.

FORT MYERS, LEE COUNTY (1892-1912).

1892—None. **1893**—None. **1894**—Dec. 29, 24°; Dec. 30, 32°. **1895**—Feb. 9, 30°. **1896**—None. **1897**—None. **1898**—Jan. 3, 28°. **1899**—Feb. 14, 28°. **1900** None. **1901**—Dec. 21, 32°; Dec. 22, 32°. **1902**—Jan. 14, 31°; Jan. 15, 32°. **1903**—None. **1904**—None. **1905**—Jan. 26, 27°; Jan. 27, 29°. **1906**—Dec. 24, 31°; Dec. 25, 32°; Dec. 26, 31°. **1907**—None. **1908**—None. **1909**—None. **1910**—None. **1911**—None. **1912**—None.

Southern Interior Group.

EUSTIS, LAKE COUNTY (1892-1912).

1892—Jan. 4, 30°; Jan. 8, 32°; Dec. 28, 31°; Dec. 29, 30°. **1893**—Jan. 7, 28°; Jan. 11, 31°; Jan. 14, 26°; Jan. 16, 31°; Jan. 17, 26°; Jan. 21, 31°; Jan. 22, 31°; Mar. 5, 30°. **1894**—Dec. 28, 31°; Dec. 29, 16°; Dec. 30, 21°. **1895**—Jan. 1, 29°; Feb. 8, 16°; Feb. 9, 21°; Feb. 10, 29°; Feb. 14, 29°; Dec. 6, 30°; Dec. 14, 31°; Dec. 31, 32°. **1896** Jan. 5, 29°; Jan. 6, 32°; Feb. 18, 32°; Feb. 22, 30°. **1897** Jan. 7, 32°; Jan. 28, 25°; Jan. 29, 25°. **1898**—Jan. 2, 25°; Jan. 3, 25°; Feb. 2, 28°; Dec. 12, 32°. **1899**—Feb. 9, 27°; Feb. 13, 17°; Feb. 14, 17°; Feb. 15, 32°; Mar. 8, 28°; Dec. 30, 31°. **1900**—Jan. 2, 30°; Jan. 3, 23°; Jan. 4, 30°; Jan. 30, 29°; Feb. 2, 31°; Feb. 18, 24°; Feb. 19, 29°. **1901** Feb. 24, 31°; Feb. 25, 31°; Mar. 7, 31°; Dec. 18, 31°; Dec. 19, 29°; Dec. 21, 23°; Dec. 22, 29°. **1902**—Jan. 13, 32°; Jan. 14, 27°; Jan. 23, 32°; Dec. 27, 28°; Dec. 28, 27°. **1903**—Jan. 9, 32°; Jan. 13, 31°; Feb. 18, 31°; Nov. 28, 26°; Dec. 27, 30°. **1904**

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* Damaging frost immediate vicinity; probably freezing temperature near ground.

Dec. 29, 32°; Dec. 30, 30°. **1905**—Jan. 5, 27°; Jan. 8, 29°; Jan. 9, 30°; Jan. 17, 30°; Jan. 26, 20°; Jan. 27, 21°; Jan. 28, 21°; Jan. 29, 28°; Feb. 16, 29°. **1905**—Mar. 1, 32°; Dec. 24, 25°; Dec. 25, 26°; Dec. 27, 24°. **1907**—Dec. 5, 32°. **1908**—Jan. 15, 30°; Jan. 25, 29°; Feb. 3, 29°; Feb. 21, 30°. **1909**—Jan. 31, 28°; Feb. 1, 25°; Dec. 27, 31°; Dec. 30, 22°; Dec. 31, 22°. **1910**—Jan. 1, 30°; Jan. 23, 28°; Jan. 30, 32°; Feb. 2, 31°; Feb. 14, 28°; Dec. 3, 30°; Dec. 4, 32°; Dec. 8, 31°; Dec. 9, 32°; Dec. 22, 29°. **1911**—Jan. 5, 29°; Dec. 1, 31°. **1912**—Jan. 15, 32°; Jan. 16, 30°; Jan. 17, 30°; Jan. 18, 32°; Feb. 5, 31°; Feb. 6, 31°; Feb. 7, 31°; Feb. 9, 31°; Feb. 10, 32°; Feb. 23, 32°.

ORLANDO, ORANGE COUNTY (1892-1912).

1892—None. **1893**—Jan. 7, 27°; Jan. 14, 26°; Jan. 17, 28°; Mar. 5, 32°. **1894**—Dec. 29, 18°; Dec. 30, 25°. **1895**—Jan. 1, 32°; Feb. 8, 19°; Feb. 9, 22°; Feb. 10, 30°; Feb. 14, 31°. **1896**—None. **1897**—Jan. 28, 26°; Jan. 29, 27°. **1898**—Jan. 2, 23°; Jan. 3, 23°; Jan. 4, 32°; Feb. 2, 30°. **1899**—Feb. 9, 29°; Feb. 13, 22°; Feb. 14, 20°. **1900**—Jan. 2, 31°; Jan. 3, 27°; Feb. 18, 26°; Feb. 19, 30°. **1901**—Feb. 24, 31°; Feb. 25, 32°; Dec. 18, 32°; Dec. 19, 31°; Dec. 21, 25°. **1902**—Jan. 14, 26°; Dec. 27, 28°; Dec. 28, 32°. **1903**—Feb. 18, 31°; Nov. 28, 28°; Dec. 4, 31°; Dec. 23, 32°. **1904**—Jan. 14, 32°; Dec. 21, 31°. **1905**—Jan. 5, 32°; Jan. 26, 21°; Jan. 27, 24°; Jan. 28, 24°; Jan. 29, 30°. **1906**—Dec. 23, 32°; Dec. 24, 26°; Dec. 25, 25°; Dec. 26, 29°; Dec. 27, 29°. **1907**—None. **1908**—Jan. 15, 31°; Feb. 3, 32°. **1909**—Jan. 31, 28°; Feb. 1, 28°; Feb. 4, 32°; Dec. 27, 27°; Dec. 29, 32°; Dec. 30, 25°; Dec. 31, 21°. **1910**—Jan. 1, 27°; Jan. 23, 28°; Jan. 30, 31°; Feb. 6, 32°; Dec. 2, 30°; Dec. 3, 29°; Dec. 4, 31°; Dec. 22, 30°. **1911**—Jan. 5, 32°; Feb. 24, 29°; Feb. 25, 30°. **1912**—Jan. 15, 31°; Jan. 16, 30°; Jan. 17, 32°; Feb. 1, 32°; Feb. 8, 29°; Feb. 9, 28°; Feb. 23, 31°.

KISSIMMEE, OSCEOLA COUNTY (1892-1912).

1892—Dec. 29, 32°. **1893**—Jan. 7, 27°; Jan. 9, 32°; Jan. 11, 31°; Jan. 14, 25°; Jan. 17, 28°; Jan. 18, 30°; Jan. 21, 31°; Jan. 22, 31°; Mar. 5, 31°. **1894**—Dec. 29, 19°; Dec. 30, 25°. **1895**—Feb. 8, 19°; Feb. 9, 22°; Feb. 10, 30°; Dec. 6, 32°. **1896**—Jan. 2, 32°. **1897**—Jan. 7, 32°; Jan. 10, 30°; Jan. 28, 27°; Jan. 29, 27°. **1898**—Jan. 2, 26°; Jan. 3, 22°; Jan. 4, 31°; Feb. 2, 32°; Feb. 23, 32°; Dec. 11, 32°. **1899**—Feb. 9, 29°; Feb. 13, 25°; Feb. 14, 20°. **1900**—Jan. 2, 32°; Jan. 3, 27°; Jan. 30, 31°; Feb. 18, 27°; Feb. 19, 28°; Feb. 20, 32°. **1901**—Jan. 19, 31°; Feb. 24, 31°; Feb. 25, 28°; Dec. 18, 32°; Dec. 19, 28°; Dec. 21, 24°; Dec. 22, 32°. **1902**—Jan. 13, 31°; Jan. 14, 22°; Jan. 23, 30°; Dec. 27, 29°; Dec. 28, 30°. **1903**—Jan. 9, 28°; Feb. 18, 32°; Nov. 28, 30°; Dec. 4, 31°; Dec. 27, 32°. **1904**—Jan. 15, 32°; Dec. 21, 32°. **1905**—Jan. 8, 31°; Jan. 26, 20°; Jan. 27, 21°; Jan. 28, 23°; Jan. 29, 30°. **1906**—Dec. 23, 29°; Dec. 24, 27°; Dec. 25, 20°; Dec. 26, 25°; Dec. 27, 29°. **1907**—None. **1908**—Feb. 3, 32°. **1909**—Jan. 31, 28°; Feb. 1, 27°; Dec. 27, 29°; Dec. 30, 25°; Dec. 31, 24°. **1910**—Jan. 1, 29°; Jan. 23, 28°; Dec. 2, 29°; Dec. 3, 32°. **1911**—Jan. 5, 31°. **1912**—Jan. 16, 32°.

BARTOW, POLK COUNTY (1892-1912).

1892—Jan. 4, 26°; Jan. 8, 31°; Dec. 29, 31°; Dec. 30, 30°. **1893**—Jan. 7, 27°; Jan. 11, 29°; Jan. 12, 30°; Jan. 14, 25°; Jan. 17, 29°; Jan. 21, 30°; Jan. 22, 29°; Mar. 5, 32°; Mar. 6, 31°; Dec. 19, 29°. **1894**—Jan. 31, 32°; Dec. 29, 20°; Dec. 30, 25°. **1895**—Feb. 8, 22°; Feb. 9, 22°; Feb. 10, 26°; Feb. 11, 32°; Dec. 6, 30°. **1896**—Jan. 2, 30°; Feb. 19, 32°. **1897**—Jan. 7, 31°; Jan. 8, 31°; Jan. 9, 29°; Jan. 10, 28°; Jan. 28, 30°; Jan. 29, 29°; Dec. 30, 31°. **1898**—Jan. 2, 25°; Jan. 3, 18°; Jan. 4, 27°; Feb. 2, 31°; Feb 23, 30°; Dec. 12, 31°. **1899** Feb. 9, 28°; Feb. 13, 26°; Feb. 14, 22°. **1900**—Jan. 2, 32°; Jan. 3, 27°; Jan. 30, 28°; Feb. 18, 27°; Feb. 19, 30°; Feb. 20, 29°. **1901**—Jan. 19, 30°; Feb. 2, 32°; Feb. 22, 31°; Feb. 24, 32°; Feb. 25, 29°; Feb. 26, 32°; Mar. 17, 31°; Mar. 18, 32°; Nov. 18, 32°; Dec. 19, 30°; Dec. 21, 27°; Dec. 22, 32°. **1902**—Jan. 14, 21°; Jan. 15, 27°; Jan. 23, 31°; Feb. 11, 32°; Dec. 27, 30°; Dec. 28, 28°. **1903**—Jan. 9, 32°; Nov. 28, 28°; Dec. 1, 31°; Dec. 4, 28°; Dec. 31, 32°. **1904**—Jan. 15, 30°; Feb. 2, 31°; Dec. 21, 31°. **1905**—Jan. 5, 31°; Jan. 26, 22°; Jan. 27, 20°; Jan. 28, 24°; Jan. 29, 30°. **1906**—Nov. 14, 32°; Dec. 23, 24°; Dec. 24, 20°; Dec. 25, 26°; Dec. 26, 28°; Dec. 27, 25°. **1907**—None. **1908**—Jan. 15, 30°; Jan. 25, 30°; Feb. 21, 30°; Feb. 23, 30°; Feb. 29, 30°; Dec. 27, 29°. **1909**—Jan. 31, 29°; Feb. 1, 25°; Feb. 4, 30°; Dec. 15, 31°; Dec. 27, 27°; Dec. 30, 25°; Dec. 31, 22°. **1910**—Jan. 1, 25°; Jan. 22, 30°; Jan. 23, 28°; Jan. 24, 31°; Jan. 30, 30°; Feb. 6, 29°; Feb 14, 27°; Dec. 3, 26°; Dec. 4, 28°; Dec. 5, 32°; Dec. 8, 27°; Dec. 10, 32°; Dec. 22, 29°. **1911**—Jan. 5, 31°; Feb. 23, 32°; Feb. 24, 27°; Feb. 25, 27°; Dec. 1, 31°. **1912**—Jan. 16, 31°; Jan. 17, 31°; Jan. 18, 31°; Feb. 1, 30°; Feb. 2, 30°; Feb. 8, 28°; Feb. 9, 28°; Dec. 20, 31°.

East Coast Group.

TITUSVILLE, BREVARD COUNTY (1887-1912).

1887—Nov. 21, 32°. **1888**—Dec. 21, 32°. **1889**—None. **1890**—None. **1891**—Apr. 7†. **1892**—None. **1893**—Jan. 14, 29°; Jan. 17, 30°. **1894**—Dec. 29, 18°; Dec. 30, 28°. **1895**—Feb. 8, 19°; Feb. 9, 22°; Feb. 10, 30°. **1896** to **1900**—No record. **1901**—Feb. 24, 30°; Feb. 25, 28°; Dec. 18, 32°; Dec. 19, 28°; Dec. 20, 32°; Dec. 21, 25°. **1902**—Jan. 14, 26°; Jan. 23, 31°; Feb. 11, 30°; Feb. 12, 31°. Feb. 19, 31°; Dec.* **1903**—Jan.*; Feb. 18, 30°; Nov. and Dec.* **1904**—Jan. and Feb.*; Dec. 21, 29°; Dec. 22, 30°. **1905**—Jan. 8, 31°; Jan. 26, 19°; Jan. 27, 26°; Jan. 28, 27°; Jan. 29, 28°; Feb. 16, 32°. **1906**—Nov. and Dec.* **1907**—Jan. and Feb.* **1908**—Jan. 25, 32°; Feb. 3, 31°; Feb. 29, 32°. **1909**—Jan. 31, 29°; Feb. 1, 30°; Feb. 4, 27°; Dec. 27, 28°. Dec. 30, 24°; Dec. 31, 27°. **1910**—Jan. 1, 28°; Jan. 23, 28°; Jan. 30, 32°; Dec. 2, 29°. **1911**—Jan. 5, 32°. **1912**—Jan. 16, 32°.

MERRITT'S ISLAND, BREVARD COUNTY (1892-1912).

1892—None. **1893**—None. **1894**—Dec. 29, 22°; Dec. 30, 32°. **1895**—Feb. 8, 22°; Feb. 9, 26°. **1896**—None. **1897**—Jan. 28, 29°; Jan. 29, 31°. **1898**—Jan. 2, 28°; Jan. 3, 30°; Jan. 4, 32°. **1899**—Feb. 9, 32°; Feb. 13, 29°; Feb. 14, 24°. **1900**—Jan. 3, 32°; Feb. 18, 30°; Feb. 19, 32°. **1901**—Dec. 21, 30°; Dec. 22, 31°. **1902**—None. **1903**—None. **1904**—None. **1905**—Jan. 26, 24°; Jan. 27, 31°. **1906**—Dec. 24, 30°; Dec. 25, 29°. **1907**—None. **1908**—None. **1909**—Jan. 31, 31°; Feb. 1, 32°; Dec. 30, 28°; Dec. 31, 32°. **1910**—Jan. 1, 31°; Jan. 23, 32°. **1911** None. **1912**—None.

JUPITER, PALM BEACH COUNTY (1888-1911).

1888—None. **1889**—None. **1890**—None. **1891**—Apr. 7‡. **1892**—None. **1893**—None. **1894**—Dec. 29, 24°. **1895**—Feb. 8, 28°; Feb. 9, 27°. **1896**—None. **1897**—None. **1898**—Jan. 2, 31°; Jan. 3, 31°. **1899**—Feb. 14, 28°. **1900**—Feb. 19, 31°. **1901**—None. **1902**—None. **1903**—None. **1904**—None. **1905**—Jan. 25, 31°; Jan. 26, 24°; Jan. 27, 31°. **1906**—Dec. 24, 30°; Dec. 25, 31°. **1907**—None. **1908**—None. **1909**—Dec. 30, 30°; Dec. 31, 32°. **1910**—None. **1911**—None.

HYPOLUXO, PALM BEACH COUNTY (1892-1912).

1892—None. **1893**—None. **1894**—Dec. 29, 26°. **1895**—Feb. 8, 32°; Feb. 9, 29°. **1896**—None. **1897**—None. **1898**—None. **1899**—Feb. 14, 28°. **1900**—None. **1901**—None. **1902**—None. **1903**—None. **1904**—None. **1905**—Jan. 26, 26°; Jan. 27, 32°. **1906**—Dec. 24, 32°; Dec. 26, 30°. **1907**—None. **1908**—None. **1909**—Dec. 27, 31°; Dec. 30, 32°. **1910**—None. **1911**—None. **1912**—None.

South Coast Group.

MIAMI, DADE COUNTY (1896-1912).

1896—None. **1897**—None. **1898**—None **1899**—Feb. 14, 29°. **1900**—Feb. 19, 30°. **1901**—None. **1902**—None. **1903**—None. **1904**—None. **1905**—Jan. 26, 29°. **1906**—Dec. 26, 32°. **1907**—None. **1908**—None. **1909**—None. **1910**—None. **1911**—None. **1912**—None.

FLAMINGO, MONROE COUNTY (1901-1908).

1901—None. **1902**—None. **1903**—None. **1904**—None. **1905**—Jan. 26, 30°; Jan. 27, 32° **1906**—None. **1907**—None. **1908**—None.

MARCO, LEE COUNTY (Nov. 1900-Apr. 1906).

1900 to **1904**—None. **1905**—Jan. 26, 30°; Jan. 27, 30°. **1906**—None.

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* No record.

† Probably freezing near ground.

‡ Ice and killing frost in immediate vicinity.

Number of Days with Minimum Temperatures 32°, 25°, 20°, and 18°, or Below, respectively.

Season.	West Coast Group.																Southern Interior Group.																East Coast Group.												South Coast Group.			
	Brooksville.				Tampa.				Bradentown.				Fort Myers.				Eustis.				Orlando.				Kissimmee.				Bartow.				Titusville.				Merritts Island.			Jupiter.			Hypoluxo.		Miami.		Flamingo.	
	32°	25°	20°	18°	32°	25°	20°	18°	32°	25°	20°	18°	32°	25°	20°	18°	32°	25°	20°	18°	32°	25°	20°	18°	32°	25°	20°	18°	32°	25°	20°	18°	32°	25°	20°	18°	32°	25°	20°	32°	25°	20°	32°	25°	32°	25°	32°	25°
1887-88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	0	0	..	..	..	..	..	..	..	..	..	..	..	..
1888-89	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	0	0	..	..	..	0	0	0	..	..	..	..	..	..
1889-90	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	0	0	0	..	..	..	0	0	0	..	..	..	..	..	..
1890-91	..	..	..	..	1	0	0	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	0	0	0	..	..	..	0	0	0	..	..	..	..	..	..
1891-92	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	..	..	..	..
1892-93	8	0	0	0	4	0	0	0	3	0	0	0	0	0	0	0	10	0	0	0	4	0	0	0	10	1	0	0	11	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	..	..	..	..
1893-94	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	..	..	..	..
1894-95	7	4	3	2	6	4	1	0	8	4	1	0	3	1	0	0	8	4	2	2	7	4	2	1	5	4	2	0	6	4	1	0	5	3	2	1	4	2	0	3	1	0	3	0	..	..	..	..
1895-96	6	0	0	0	2	0	0	0	9	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	2	0	0	0	3	0	0	0	..	..	..	..	0	0	0	0	0	0	0	0	..	..	..	..
1896-97	3	1	0	0	2	0	0	0	3	0	0	0	0	0	0	0	3	2	0	0	2	0	0	0	4	0	0	0	6	0	0	0	..	..	..	..	2	0	0	0	0	0	0	0	0	0	..	..
1897-98	3	2	0	0	3	0	0	0	4	1	1	0	1	0	0	0	3	2	0	0	4	2	0	0	5	1	0	0	6	2	1	1	..	..	..	..	3	0	0	2	0	0	0	0	0	0	..	..
1898-99	6	2	2	1	3	1	0	0	4	2	0	0	1	0	0	0	6	2	2	2	3	2	1	0	4	2	1	0	4	1	0	0	..	..	..	..	3	1	0	1	0	0	1	0	1	0	..	..
1899-1900	8	1	0	0	5	0	0	0	4	0	0	0	0	0	0	0	8	2	0	0	4	0	0	0	6	0	0	0	6	0	0	0	..	..	..	..	3	0	0	1	0	0	0	0	1	0	..	..
1900-01	7	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	3	0	0	0	2	0	0	0	3	0	0	0	8	0	0	0	*2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1901-02	15	2	0	0	4	1	0	0	6	0	0	0	4	0	0	0	7	1	0	0	4	1	0	0	7	2	0	0	8	1	0	0	9	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
1902-03	5	1	0	0	3	0	0	0	3	0	0	0	0	0	0	0	5	0	0	0	3	0	0	0	4	0	0	0	3	0	0	0	*1	*0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1903-04	6	1	0	0	1	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	4	0	0	0	4	0	0	0	6	0	0	0	..	..	..	..	0	0	0	0	0	0	0	0	0	0	0	0
1904-05	13	3	2	2	4	1	0	0	4	1	0	0	2	0	0	0	11	3	1	0	6	3	0	0	6	3	1	0	6	3	1	0	8	1	1	0	2	1	0	3	1	0	2	0	1	0	2	0
1905-06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1906-07	5	2	0	0	3	0	0	0	4	1	0	0	3	0	0	0	3	2	0	0	5	1	0	0	5	2	1	0	6	3	1	0	..	..	..	..	2	0	0	2	0	0	2	0	1	0	0	0
1907-08	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	2	0	0	0	1	0	0	0	5	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1908-09	2	1	0	0	2	0	0	0	1	0	0	0	0	0	0	0	2	1	0	0	3	0	0	0	2	0	0	0	4	1	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	..	..
1909-10	5	2	0	0	2	0	0	0	3	0	0	0	0	0	0	0	8	2	0	0	8	2	0	0	5	2	0	0	11	3	0	0	6	1	0	0	4	0	0	2	0	0	2	0	0	0	..	..
1910-11	7	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	6	0	0	0	7	0	0	0	3	0	0	0	10	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	..	..
1911-12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	7	0	0	0	1	0	0	0	9	0	0	0	1	0	0	0	0	0	0	..	..	..	0	0	0	0	..	..

* Record not complete.

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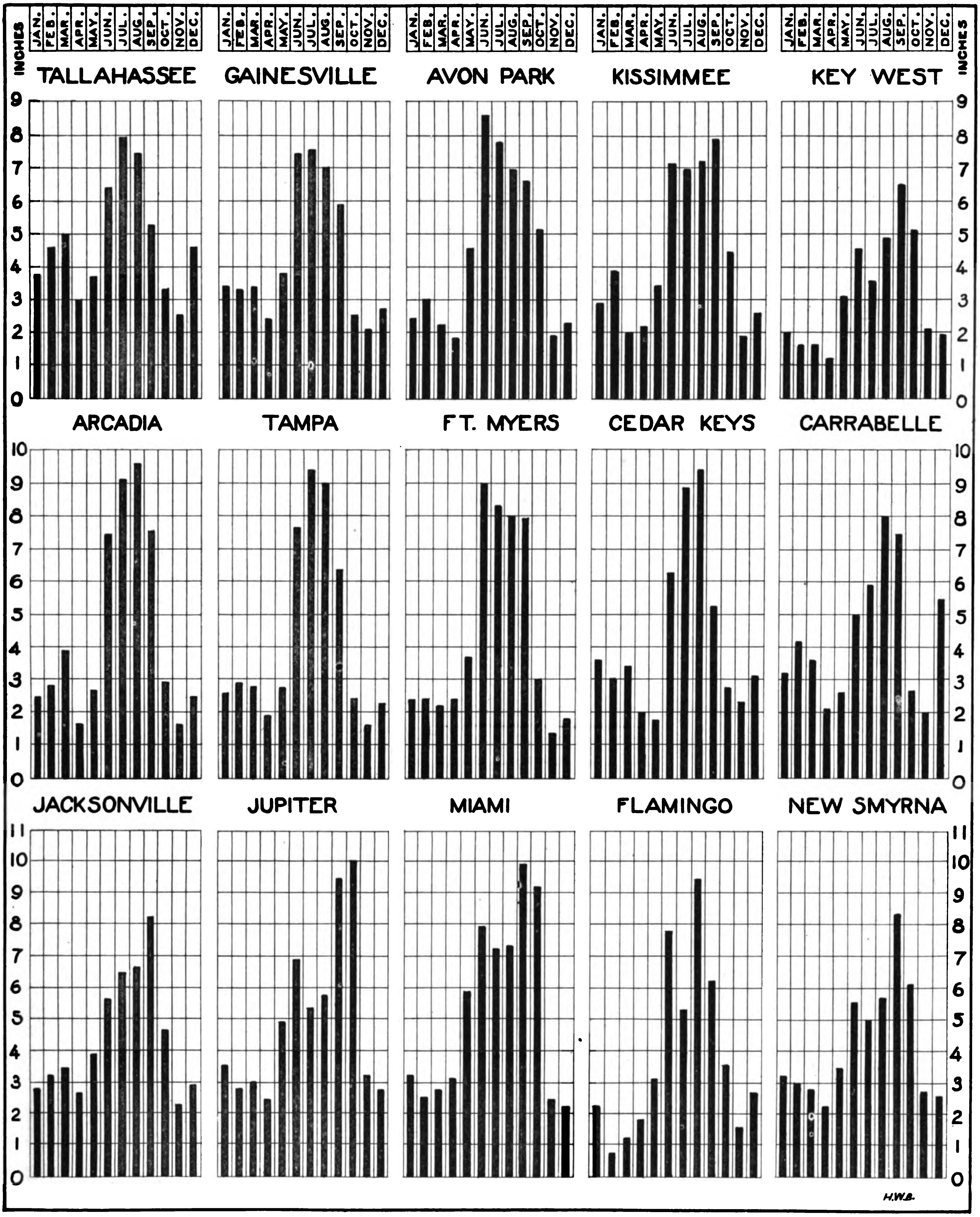


Fig. 1—Diagrams showing the comparative monthly distribution of precipitation.

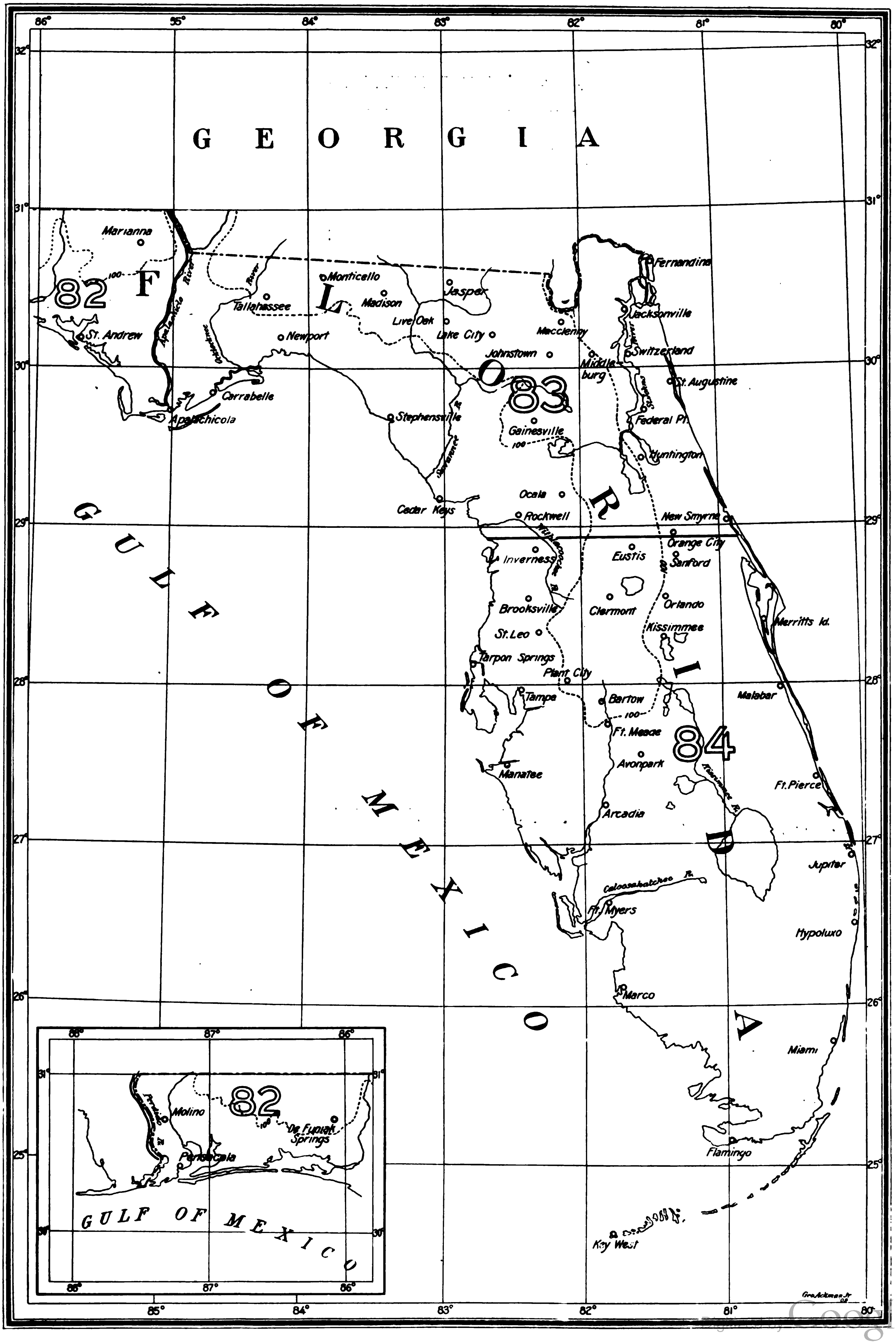


FIG. 2.—Chart showing the boundaries of sections, location of principal reporting stations, drainage systems, and general elevation above sea level.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. Day, Acting Chief of Division.

Section 85.—WESTERN GEORGIA.

The State of Georgia, the greatest in area of any State east of the Mississippi River, is located mainly between the parallels of 31° and 35° north latitude, and between 81° and 86° west longitude, and embraces 59,475 square miles. It nearly equals in size all of the New England States together. In form it resembles a rectangle whose longest side, 320 miles in length, extends north and south; its greatest breadth is 254 miles. The population of the State in 1900 was 2,216,331, or about 38 persons to the square mile. The northern portion of the State is diversified by mountains, charming valleys, and numerous rivers, some of which have cut their way for long distances through solid rock. Northeast Georgia varies in altitude from 1,000 to nearly 5,000 feet above sea level, a factor having a profound influence on the climate of this section.

The soil of Georgia is suitable for the production of cotton, corn, and the cereals. The State is noted for its excellent peaches, while the Georgia watermelon has a national reputation. Grapes grow well in most parts; figs are cultivated as far north as Atlanta without winter protection; while in the extreme southeast portion oranges and bananas flourish.

TOPOGRAPHICAL FEATURES.

The largest rivers in western Georgia are the Flint and the Chattahoochee, the latter forming the dividing line between Georgia and Alabama for a large part of its length; these rivers unite at the Georgia-Florida boundary to form the Apalachicola, which flows through western Florida into the Gulf of Mexico. The section under discussion embraces mainly the territory drained by these rivers, including the western portion of Georgia. For convenience the drainage basin of the Etowah River, in northwestern Georgia, is included.

The topography of Georgia is rendered very complex by the projection of the Appalachian Mountains into the northern portion and the consequent complication of the drainage systems. The streams may be divided into two main groups, the water of one group flowing southeast into the Atlantic Ocean, and of the other either southward directly into the Gulf of Mexico, or indirectly into the Gulf through the Mobile and Tennessee rivers.

The dividing line between the waters entering the Atlantic Ocean and those flowing southward into Gulf of Mexico is formed by the Chattahoochee ridge, which has been called the "backbone" of Georgia. It enters the State from North Carolina at the boundary line between Rabun and Towns counties, passes through Mount Airy, Habersham County, thence through Norcross to Atlanta; the drainage of this city, which is located on the crest of the divide, is partly into the Atlantic and partly into the Gulf of Mexico. From Atlanta it passes south to Culloden and Fort Valley, Houston County, thence in a southeasterly direction through Okefenokee swamp between the St. Marys and the Suwanee basins into Florida. From Atlanta south the Chattahoochee ridge may be considered to form roughly the eastern boundary of Section No. 85.

A large portion of the drainage areas of the rivers in this section is included in the crystalline or granitic region which embraces the Blue Ridge Mountains and the Piedmont Plateau, where the largest and most important water powers in the State are found. The natural boundaries are known as the southern and western "fall lines," and mark the points where the streams enter the younger alluvial formations and become navigable. The southern fall line extends across the State from Augusta through Milledgeville and Macon to Columbus, and represents probably the limit of the ancient Atlantic coast line. The elevation of the Flint River at the fall line at Knoxville, Ga., is 327 feet, and of the Chattahoochee at Columbus is 190 feet. The western fall line is not so distinctive in character, though it has been supposed to represent the ancient coast line of the Gulf of Mexico. It extends from Carters, on the Coossawatte River, to Cartersville, on the Etowah, and separates the crystalline rock from the limestone region in northwestern Georgia.

In the Coastal plain which lies south of the southern fall line the land is low, level and marshy; 50 miles inland it becomes slightly undulating, rising to heights of 75 to 100 feet above sea level. The soil is light and sandy. Even in Middle Georgia, though the land is much more hilly, there are no elevations which might be called mountains. Pine Mountain, in Harris County, just north of Columbus has an altitude of 1,052 feet above sea level, but as a rule there are very few portions of this region which are too steep for the plow. A characteristic feature of the soil in the Piedmont region is the presence of fragmentary stone, mostly quartz, scattered over the surface. Extensive forests of pine still exist, and the climate and soil are suitable for the growth of a great variety of crops, such as cotton, corn, vegetables, melons, deciduous fruits, especially peaches, etc.

The mountain region of Georgia lies north of the 34th parallel of latitude and presents bold and striking features; the altitude varies from 1,000 to nearly 5,000 feet above sea level. The northwestern portion of the State, which also is included in the section under discussion, is distinguished as the

Limestone region (Paleozoic formation) and contains mountain ranges which are designated by the most prominent peak in each, as the Lookout mountains in the west, the Chattooga mountains in the central portion, and the Cohutta range on the eastern and southern border, which terminates in a bold and rugged escarpment facing west. There is much gravelly land in this portion of the State and the forests are of oak and other hard woods, with short leaved pines.

The Chattahoochee River has its sources in Habersham and White counties, in the northeastern portion of the State, whence it flows in a direct line southwest to West Point, Ga. Here it bends to the south and forms the dividing line between Georgia and Alabama to the point where it joins the Flint. Above the mouth of the Chestatee River the watershed is mountainous; from that point to Columbus the river flows through a mountainous, well-wooded country upon beds of crystalline rock and is frequently interrupted by shoals and rapids that afford excellent opportunities for the development of water powers. The fall from the lower edge of Lumpkin County to Columbus is 850 feet, of which 866 feet is between West Point and Columbus. Near Columbus the river descends 120 feet in 4 miles. The tributaries of the Chattahoochee are numerous, but small. The drainage area above Columbus is about 4,900 square miles.

The Flint River rises about 12 miles south of Atlanta, in Fulton County, and flows southward in a very irregular course, draining a large area of southwestern Georgia from Atlanta south to the Florida line. It crosses the "fall line" near Knoxville at a point on a straight line between Macon and Columbus. Good sites for water power are abundant on the Flint River, but have not been developed. Between Woodbury and Knoxville, a distance of about 45 miles, the river falls 884 feet.

The Etowah River drains the southern slope of the Blue Ridge Mountains, its waters flowing westward and entering the Gulf through the Mobile River. At Rome the river unites with the Oostanaula to form the Coosa. A number of fine water powers have been developed on this river.

CLIMATIC CHARACTERISTICS.

The chief factors controlling the climate of the region under discussion are its latitude, its proximity to the Atlantic Ocean and the Gulf of Mexico, and altitude above sea level. Roughly speaking the territory is included between the parallels of 30° 30′ and 85° N. Lat., and from its geographical position in the warm temperate zone it might be assumed that the climate is warm and moist. While this is true for the central-south sections, the effect of altitude must not be overlooked since it is far more potent in ameliorating climate than mere change in latitude. The effects of altitude both in diminishing temperature and increasing rainfall are well shown in the various climates of this section. For example, the highest annual mean temperature, 67°, is found in the south at Quitman, Ga., while at Diamond, in northern Georgia, at an elevation of 2,020 feet the annual mean is 10° lower, or 57°. The increase in precipitation is also shown by the large annual fall of 66 inches at Diamond while the amount ranges from 46 to 52 inches in the central portions of Georgia.

In the southern and central portions of this section the climate must be considered very warm and relatively moist; the annual mean temperature ranges from 67° to 62°; the summers are long and usually hot, with maximum temperatures frequently above 100° (100° to 108°). At most stations the monthly mean temperature for July and August is 80° or above, and in the extreme south a monthly mean above 80° is also normal in June. The summer temperatures are usually very uniform.

Although the section lies outside of the normal storm tracks, except during the season of subtropical storms from August to October, these, however, being of relatively rare occurrence, the changes in temperature are often very pronounced in winter. In fact, since the prevailing winds are from the west or northwest in winter the ameliorating effect of the ocean and the Gulf is greatly diminished and the region partakes of the continental climatic characteristics of the interior of the United States. Thus it is found that during severe cold waves the temperature may fall below zero. In the mountain region the minimum temperature during the remarkable freeze of February, 1899, fell to 11° below zero; even as far south as Atlanta it was 8° below, and at Albany, in the southern portion of the State, 2° below zero was recorded.

The coldest and most disagreeable weather occurs in January and February. At some places in the north (Diamond and Gainesville) the lowest monthly mean temperature (normal) is slightly below 40° F. In the south the lowest monthly mean is above 50°. January is the coldest month. The winter temperatures are thus sufficiently low to have a decidedly bracing effect on the human system, while they are really so moderate as compared with northern climates that many of the cities of Georgia are favorite winter resorts for northern people.

The greatest rainfall in the United States east of the Coast Range mountains is found in the central and eastern Gulf States, where the amounts range from 45 to over 60 inches. This large rainfall is well distributed through the seasons. Nevertheless there are occasionally long periods of drought, especially in spring or autumn, which slightly diminish the yield of crops. Arrangements by which crops might be irrigated during such times would undoubtedly be profitable.

According to Professor Henry, among the causes which contribute to an abundant rainfall are: (1) Nearness to large bodies of water; (2) A location within or near the track of cyclonic storms; (8) Mountain ranges, particularly those running in a direction at right angles to the rain-bearing winds. These are all exemplified in this region. In western Florida and southern Georgia, which are nearest to the waters of the Gulf, the annual rainfall is distinctly greater than it is farther north; the amount here varies from 52 to 58 inches. Passing northward over western Georgia and eastern Alabama the normal annual rainfall decreases in amount to less than 50 inches at several stations (Tallapoosa 46.01 inches. As the mountains are approached the amount again increases, at one or two stations to over 60 inches (Diamond 66.67 inches). There is thus a region in central Georgia having distinctly less rainfall than the northern and southern portions.

The rainfall is distributed through the seasons as follows: Copious rains occur during winter, with comparatively little snow even in the mountain region (the average snowfall being less than 5 inches in the northwest portion), with a gradual increase to a maximum in February or March. The heaviest rains for the year, however, occur in July and August (in the south as late as September) and are due chiefly to the frequency of convectional thunderstorms (the result of abundant heat and moisture) and in part to the passage of subtropical disturbances over the east Gulf States.

October and November are the driest months of the year; there is a marked secondary minimum rainfall in April and

May. The maximum normal monthly rainfall in the district is 8.01 inches in July at Blakely, in southwestern Georgia. The smallest rainfall normal is 1.82 inches in November at Allapaha. Several stations have an October or November normal of less than 2.25 inches.

Heavy rains exceeding 2.50 inches in 24 hours or 1.00 inch in one hour are of frequent occurrence in this region. The maximum rainfall in 24 hours has exceeded 8.00 inches at several stations.

Although the snowfall is usually very light, occurring most frequently in January and February, some notably severe storms are on record. In February, 1899, snow fell throughout the entire State, reaching a depth of 2 inches in the extreme south. The greatest monthly snowfall of which there is authentic record was 26.5 inches at Diamond, Gilmer County, in February, 1895. At Rome the total fall was 24 inches in December, 1886.

The usual tables accompany this report and show in detail by months and years the distribution of precipitation over the several districts of the section. Tables are also given showing the extremes and means of temperature, the occurrence of frost, the average number of days with rain during the various months of the year. Data with regard to the prevailing wind direction, wind movement, and relative humidity for a few of the regular Weather Bureau stations are included. The accompanying chart shows the boundaries of the district, the location of the principal reporting stations, the mountain and river systems, and the general elevation of the surface above the sea level.

C. F. VON HERRMANN, *Section Director.*

MOBILE VALLEY GROUP.

ADAIRSVILLE, GA., Bartow County. Elevation 772 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	4.74	10.73	2.54	6.16	6.16	5.43	2.94	0.24	5.59	2.88	......
1893.	2.39	7.73	3.94	2.57	6.47	5.74	2.45	2.04	3.42	0.54	1.43	3.36	42.08
1894.	4.40	4.91	3.14	2.49	1.78	2.57	3.18	2.65	1.29	1.69	1.20	6.89	36.19
1895.	9.25	3.60	6.10	4.67	3.75	4.08	4.18	4.55	1.60	0.61	1.64	3.25	47.32
1896.	3.64	3.67	2.66	1.58	3.18	1.33	6.16	2.36	4.73	......	4.34	1.23	......
1897.	4.39	5.10	7.60	4.27	0.73	0.91	8.62	5.11	0.18	1.92	1.68	6.21	46.72
1898.	4.95	0.73	3.54	5.87	0.73	5.89	7.27	5.23	9.98	7.14	3.21	1.87	56.41
1899.	3.55	7.83	7.36	2.76	3.72	1.86	5.22	4.64	2.23	0.74	3.55	4.42	47.88
1900.	3.47	6.90	7.08	6.57	4.28	10.76	4.60	1.08	4 71	5.25	3.35	4.38	62.43
1901.	6.67	3.69	7.64	4.74	6.50	1.88	......	10.98	4.39	0.56	1.93	10.00	......
1902.	3.70	6.29	5.92	1.65	0.40	......	1.18	4.09	3.90	1.66	4.19	5.47	......
1903.	2.79	14.31	11.39	2.79	2.77	4.84	......	1.72	0.78	2.87	1.12	1.54	......
1904.	4.83	4.31	4.68	2.80	2.53	2.43	5.57	3.26	0.20	0.48	3.28	5.66	40.03
1905.	4.59	6.98	3.26	2.89	5.90	6.30	4.34	4.86	1.41	4.82	1.81	9.53	56.69
1906.	6.67	0.90	9.81	1.88	2.99	7.38	10.32	2.97	6.30	4.29	6.23	5.22	64.96
1907.	0.62	3.80	3.52	3.89	5.88	2.19	5.01	3.20	4.56	1.55	5.16	4.04	43.42
1908.	3.72	5.80	4.13	2.97	1.57	1.44	7.02	6.76	2.07	2.00	0.72	6.64	44.84
M'ns	4.35	5.41	5.68	3.83	3.28	3.48	5.42	4.17	3.22	2.27	2.97	4.86	48.94

CANTON, GA., Cherokee County. Elevation 894 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	3.45	1.35	3.90	2.20	5.90	1.50	2.90	3.29	4.10	......
1879.	4.50	3.50	2.34	3.70	1.20	2.60	6.50	3.95	0.80	7.00	5.10	5.75	46.94
1831.	3.50	7.90	......	......	......	......	......	1.70	2.00	3.10	......	4.60	......
1891.	......	......	......	......	......	......	......	......	2.08	T.	4.34	5.43	......
1892.	12.59	2.48	6.23	8.08	2.66	5.25	6.60	8.25	1.63	0.40	6.94	2.85	63.96
1893.	2.64	8.68	3.33	1.76	5.79	6.39	0.56	2.27	6.16	0.53	1.58	2.22	41.91
1894.	6.69	4.89	2.92	3.08	3.00	2.64	5.25	8.05	5.67	1.92	1.06	7.98	53.15
1895.	8.87	2.85	7.42	5.54	4.86	4.57	4.38	8.29	1.66	2.07	1.64	3.25	55.40
1896.	4.44	4.17	3.01	1.78	1.55	3.31	7.97	1.46	1.69	2.27	6.39	1.30	39.34
1897.	5.29	5.49	7.88	4.59	0.70	2.40	5.85	4.05	0.00	3.04	1.95	5.20	46.44
1898.	3.87	1.04	5.82	5.22	1.52	1.47	6.70	7.34	6.89	7.14	4.12	1.41	52.54
1899.	4.34	7 67	8.71	2.75	0.76	......	......	......	......	......	3.40	5.15	......
1900.	3.41	7.85	6.61	4.64	1.36	......	......	2.03	1.78	6.31	4.44	3.92	......
1901.	6.44	3.88	4.17	6.51	7.95	3.90	3.20	9.21	2.76	1.97	1.40	10.89	62.28
1902.	2.94	10.21	4.76	0.78	0.29	1.91	1.43	2.57	2.66	2.18	3.35	5.86	38.94
1903.	2.61	10.79	5.00	1.47	......	......	3.33	2.74	2.43	2.38	2.96	2.02	......
1904.	3.51	4.34	4.43	2.61	2.31	3.95	3.43	6.92	0.56	T.	2.35	4.72	38.13
1905.	5.53	5.64	2.34	3.18	6.79	3.91	7.01	4.59	1.52	3.00	1.88	10.36	55.75
1906.	10.80	0.71	10.97	2.00	5.30	......	......	......	......	......	2.79	4.44	......
1907.	1.27	5.87	2.50	4.35	4.91	......	......	......	......	......	7.29	7.18	......
1908.	2.38	6.02	4.66	7.37	......	0.70	3.62	5.03	1.98	3.44	1.43	5.94	......
M'ns.	5.03	5.47	5.17	3.83	3.08	3.35	4.54	4.37	2.43	2.76	3.38	4.98	48.39

DIAMOND, GA., Gilmer County. Elevation 2,020 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889.	*5.80	12.65	6.85	4.25	8.10	11.88	20.45	15.56	5.35	1.45	8.13	1.10	101.57
1890.	4.55	10.75	5.85	8.75	11.60	6.59	7.59	7.99	19.55	7.62	0.50	2.03	93.37
1891.	6.24	18.27	14.85	5.25	......	......	......	......	......	T.	5.22	6.65	......
1892.	11.87	4.16	4.28	10.82	2.97	5.31	5.99	3.45	2.08	0.43	7.92	3.35	62.63
1893.	2.57	7.33	3.99	2.78	5.81	6.88	3.20	2.76	......	......	......	......	......
1894.	6.02	5.10	3.20	3.38	3.59	3.33	7.66	4.40	2.36	1.99	1.44	9.62	52.09
1895.	......	6.50	7.45	5.61	8.24	5.33	5.55	10.40	2.34	2.18	2.21	5.71	......
1896.	3.32	3.70	3.33	2.34	2.55	4.75	11.31	2.76	3.13	2.29	9.17	1.71	50.36
1897.	4.89	......	9.27	5.44	1.67	5.48	5.92	3.93	0.09	4.01	2.68	7.97	......
1898.	......	0.78	6.28	6.27	1.22	3.04	6.98	11.74	6.93	11.77	4.52	3.25	......
1899.	4.03	10.32	9.19	5.02	3.84	3.10	4.15	4.24	2.25	3.88	3.04	6.06	59.12
1900.	4.01	8.22	5.80	7.69	4.13	15.36	4.66	1.00	5.75	5.15	5.53	5.42	72.72
1901.	7.25	3.32	6.91	6.00	9.09	4.12	4.07	17.60	6.35	0.93	2.00	11.26	78.90
1902.	2:47	8.36	5.93	2.17	2.30	1.80	2.58	5.30	7.18	0.95	5.11	6.82	50.97
1903.	3.00	13.08	10.83	3.25	3.85	11.57	5.91	3.69	1.53	2.08	2.15	2.06	63.00
1904.	6.26	5.91	6.21	3.18	3.60	1.00	6.98	6.62	1.58	T.	2.77	4.69	48.80
1905.	7.91	6.00	2.30	4.84	5.81	8.00	2.50	13.00	5.50	6.30	1.85	......	......
1906.	8.86	......	......	......	4.05	8.21	10.84	11.22	6.50	3.36	4.40	6.40	......
1907.	1.24	5.89	4.10	3.85	6.78	4.16	3.58	4.04	8.36	1.61	5.82	6.57	56.00
1908.	6.96	6.88	5.94	7.57	5.25	1.89	7.48	5.25	2.62	3.75	2.16	8.30	64.05
M'ns	5.40	7.62	6.45	5.18	4.97	5.88	6.71	7.10	4.69	3.15	4.03	5.49	66.67

GORE, GA., Chattooga County. Elevation —— feet.

[Originally Greenbush; name changed to Gore in 1908.]

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897.	......	......	......	......	4.22	1.57	7.73	4.06	0.30	3.12	1.55	7.69	......
1898.	7.13	0.90	5.39	5.29	0.59	5.75	9.91	2.45	10.82	10.05	4.02	2.78	65.08
1899.	3.77	8.94	10.22	6.03	1.08	3.58	6.84	4.15	1.76	1.55	4.05	6.56	58.53
1900.	4.75	6.81	6.46	7.12	4.40	11.21	2.81	4.07	5.27	5.88	4.66	4.63	68.07
1901.	6.79	2.96	8.23	7.98	6.93	2.40	3.22	12.31	......	......	1.10	10.59	......
1902.	1.99	6.96	6.45	0.90	......	......	......	......	......	......	......	......	......
1903.	......	......	......	......	......	4.81	4.59	3.84	1.87	4.85	2.22	1.26	......
1904.	2.53	1.64	6.25	1.94	4.19	2.11	5.34	6.94	0.31	0.38	4.61	4.93	41.17
1905.	4.02	8.46	2.97	4.20	6.49	3.11	3.17	4.79	1.82	5.98	1.15	9.12	55.28
1906.	6.92	0.93	9.97	1.15	3.37	7.98	8.53	3.41	4.60	6.51	5.24	5.67	64.28
1907.	0.80	3.62	4.12	4.03	7.63	3.00	5.54	2.76	6.74	1.79	6.66	3.70	50.39
1908.	3.72	8.70	4.38	5.37	3.02	3.90	4.73	7.52	2.40	2.87	0.88	8.66	56.15
M'ns	4.24	4.99	6.44	4.40	4.19	4.49	5.67	5.12	3.59	4.29	3.29	5.96	56.67

RAMSEY, GA., Murray County. Elevation 1,363 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893.	......	......	......	......	......	......	3.91	2.34	3.41	1.43	0.96	2.81	......
1894.	4.12	3.88	2.98	2.92	2.56	0.98	4.50	3.88	1.16	1.48	0.69	5.99	35.14
1895.	7.43	2.01	5.92	4.00	5.30	4.68	5.51	4.28	0.87	2.34	2.04	3.78	48.16
1896.	2.77	4.11	2.50	3.27	3.94	1.27	5.14	2.09	3.58	1.65	6.88	0.33	37.53
1897.	2 17	5.34	9.91	6.13	2.33	2.94	8.05	4.84	0.11	2.32	1.81	6.50	52.45
1898.	5.19	0.68	5.38	4.56	0.16	3.95	6.79	5.15	8.44	6.91	3.82	1.46	52.49
1899.	3.15	8.92	10.85	3.81	1.22	2.07	5.44	4.41	2.17	1.76	2.33	4.07	50.20
1900.	4.15	6.66	5.27	6.93	2.08	9.94	3.45	1.73	3.51	6.74	4.53	5.05	60.04
1901.	6.48	2.74	5.84	4.06	7.08	3.24	3.23	15.02	3.85	0.98	1.78	10.32	64.62
1902.	2.92	5.26	6.08	1.82	1.18	4.32	3.49	5.82	3.70	1.32	3.84	5.38	45.13
1903.	3.10	11.96	7.42	3.51	2.47	5.45	3.67	2.39	1.10	3.31	3.07	1.61	49.06
1904.	3.61	2.89	5.56	2.87	2.55	2.39	3.63	4.65	0.97	0.26	3.76	5.36	38.50
1905.	5.38	7.84	3.00	4.14	5.82	7.65	5.86	4.64	1.23	3.66	1.38	9.01	59.61
1906.	6.14	0.89	8.47	2.18	4.75	7.79	10.65	4.71	8.08	4.50	8.68	5.20	72.04
1907.	1.24	5.83	3.40	3.11	6.63	6.82	4.23	2.98	7.92	1.60	5.27	3.74	52.77
1908.	4.38	6.81	4.04	4.44	3.02	3.29	4.48	7.13	2.08	2.66	0.90	6.96	50.19
M'ns	4.15	5.05	5.77	3.85	3.41	4.45	5.13	4.75	3.26	2.68	3.23	4.85	50.58

RESACA, GA., Gordon County. Elevation 657 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891.	......	......	......	......	......	......	......	......	2.84	0.12	4.77	2.84	......
1892.	10.64	3.15	4.58	8.80	2.45	5.01	9.23	6.05	3.52	0.20	7.20	3.07	63.90
1893.	2.12	6.39	3.36	2.97	4.52	5.22	2.43	4.49	5.23	1.05	1.54	3.15	42.47
1894.	3.99	4 65	2.65	2.62	2.84	1.38	4.40	3.03	1.20	1.68	0.76	6.95	36.15
1895.	9.06	2.31	7.07	4.45	3.47	3.63	4.74	7.04	1.56	2.39	1.80	3.30	50.82
1896.	3.35	4.84	3.08	2.48	......	......	......	......	......	1.78	5.49	0.99	......
1897.	3.98	5.90	10.00	5.25	0.91	......	......	......	......	......	1.32	7.16	......
1898.	6.02	1.00	4.27	5.11	......	......	......	......	......	......	3.38	2.09	......
1899.	3.98	9.97	10.01	3.54	......	......	......	......	......	......	2.69	4.66	......
1900.	3.85	6.41	6.61	7.03	......	10.22	5.18	1.47	5.56	5.58	5.35	5.24	......
1901.	6.14	3.36	5.91	5.26	5.32	5.06	1.25	11.55	3.45	0.55	1.49	11.22	60.56
1902.	3.36	6.77	5.61	1.67	0.50	1.28	3.08	0.97	5.90	2.47	3.83	5.65	41.09
1903.	3.60	12.70	7.84	3.82	2.88	4.83	2.85	2.98	1.37	2.62	1.66	1.89	49.04
1904.	4.57	2.84	5.23	2.27	1.83	5.66	2.78	3.81	0.38	0.32	4.16	4.92	38.77
1905.	4.66	7.78	3.71	3.52	5.35	3.11	3.99	4.41	0.69	5.04	1.48	9.95	53.69
1906.	5.44	0.74	9.81	2.25	3.45	8.05	9.12	4.49	0.35	8.45	6.84	3.72	62.71
1907.	0.80	4.52	3.37	2.68	1.93	1.55	3.62	2.75	4.75	1.77	5.37	3.80	36.91
1908.	2.67	8.16	3.48	3.91	2.58	1.35	2.43	4.75	2.26	2.68	0.25	8.23	42.75
M'ns	4.60	5.38	5.68	3.98	2.93	4.33	4.24	4.45	2.79	2.45	3.30	4.94	49.37

* Estimated.

ROME, GA., Floyd County. Elevation 576 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Annual.
1855.	......	......	......	......	......	1.25	2.62	2.99	1.87	1.12	......	6.74	......
1856.	......	3.92	6.99	1.75	5.88	2.15	2.37	0.75	0.25	1.00	8.93	8.25	......
1857.	8.00	0.63	2.25	2.10	6.87	1.87	5.25	3.12	0.75	1.12	6.87	7.50	46.33
1858.	5.12	6.00	7.75	4.38	4.25	4.62	3.00	2.00	1.75	3.19	3.85	6.25	52.16
1859.	4.70	7.83	6.02	5.57	3.22	1.45	2.21	5.10	2.50	0.75	3.90	7.80	51.05
1860.	2.27	3.88	1.17	2.33	4.11	1.84	2.15	6.77	1.75	5.82	3.93	2.15	38.17
1861.	3.82	6.97	2.03	3.27	2.10	3.36	3.50	5.55	2.70	6.97	2.63	0.92	43.82
1862.	6.29	3.65	7.74	4.60	1.40	0.00	1.70	0.40	1.05	0.25	0.60	4.75	32.43
1863.	2.90	7.92	7.10	2.95	1.85	9.12	5.97	1.00	0.00	9.50	4.00	4.65	56.96
1864.	1.45	0.00	3.25	4.00	1.10	7.73	3.91	7.25	4.63	4.78	3.05	1.75	42.90
1865.	......	......	......	0.65	2.00	4.45	1.25	0.40	0.75	1.60	2.55	6.55	......
1866.	3.95	4.85	4.11	5.00	9.40	5.80	1.10	2.70	2.70	1.45	3.67	3.00	47.73
1867.	3.25	0.82	5.00	5.20	2.58	1.75	1.15	1.75	0.50	1.10	4.25	4.15	31.50
1868.	4.15	0.55	5.50	5.10	5.15	0.90	7.88	2.65	2.10	6.90	3.25	2.85	46.98
1869.	5.65	2.45	3.65	6.20	0.95	5.45	0.22	1.10	0.37	......	5.00	6.00	......
1870.	4.10	1.90	5.00	1.75	3.50	3.80	4.11	3.93	2.85	2.30	2.25	2.00	37.49
1871.	0.95	5.53	8.27	5.45	6.07	6.25	1.60	5.50	3.11	1.30	1.85	1.95	47.83
1872.	3.58	4.25	5.25	4.60	6.50	3.25	10.34	1.85	2.75	0.42	2.45	10.00	55.24
1873.	4.70	10.45	3.35	0.75	3.70	4.10	2.00	0.40	2.70	0.85	2.05	1.90	36.95
1874.	4.70	2.55	11.80	9.00	2.30	9.49	2.32	5.23	1.35	1.85	3.60	3.60	57.79
1875.	6.23	4.78	6.93	5.00	2.10	4.07	4.00	4.15	4.55	0.74	3.06	5.47	51.08
1876.	5.83	2.03	5.32	6.85	3.01	4.86	1.08	0.43	1.60	1.05	1.00	2.27	35.36
1877.	2.87	1.83	5.50	7.90	1.85	2.35	6.35	1.70	6.30	2.10	4.40	3.56	46.71
1878.	4.29	2.50	1.80	2.90	2.48	2.58	2.37	2.50	2.20	3.15	4.15	5.45	36.37
1879.	6.20	3.80	2.45	3.85	0.95	1.78	3.80	5.88	1.33	6.63	3.10	4.00	43.77
1880.	2.74	2.60	9.40	9.25	3.00	2.35	3.41	5.35	5.12	2.95	†6.10	5.65	57.92
1881.	4.15	5.45	8.50	3.15	4.47	1.70	1.40	2.32	0.92	3.72	4.33	5.15	45.26
1882.	8.52	7.10	2.45	3.22	2.75	1.65	4.35	4.72	3.12	2.85	2.00	2.60	45.33
1883.	8.95	2.65	2.45	6.47	0.40	2.48	0.67	7.80	0.35	1.17	2.32	3.38	39.09
1884.	4.65	5.82	7.79	6.85	2.22	5.50	1.10	1.12	0.18	0.36	1.15	4.60	41.34
1885.	7.00	4.50	3.35	1.60	5.60	1.55	2.25	3.97	4.17	5.01	5.79	5.44	50.14
1886.	5.45	2.45	8.75	3.50	3.65	11.25	2.85	2.65	1.05	0.65	4.30	3.60	50.15
1887.	2.15	4.60	3.35	1.25	2.95	3.60	7.85	1.00	2.70	2.05	0.30	4.25	36.05
1888.	4.95	2.90	9.50	2.95	5.15	2.98	1.40	3.97	3.36	3.10	3.40	2.20	45.86
1889.	6.65	4.87	3.45	3.25	1.25	4.95	4.15	4.10	3.50	0.85	3.90	1.30	42.22
1890.	2.60	4.95	5.15	2.45	3.30	1.25	4.67	4.65	2.94	6.20	0.10	2.15	40.41
1891.	6.30	7.09	8.01	2.53	0.78	5.13	8.47	4.80	3.80	0.28	3.63	4.62	55.44
1892.	11.69	2.72	5.57	10.72	2.77	7.49	5.78	6.68	4.07	0.31	6.66	4.10	68.56
1893.	2.04	8.21	4.54	3.33	5.89	5.82	4.35	3.43	3.51	0.93	1.87	3.57	47.49
1894.	5.00	4.52	3.72	2.84	2.14	4.76	4.42	7.69	2.77	1.89	1.24	6.27	47.26
1895.	10.29	2.55	6.39	7.17	5.40	4.07	7.57	5.59	3.49	2.59	1.97	3.80	60.88
1896.	4.06	4.26	3.22	1.91	3.10	1.85	5.30	4.51	3.45	1.45	†4.96	1.47	39.54
1897.	5.43	5.78	9.80	3.16	0.91	3.34	7.68	2.65	0.00	1.15	1.35	6.83	48.08
1898.	5.05	0.86	3.58	6.62	0.98	3.00	7.54	5.10	7.49	7.15	3.31	1.80	52.48
1899.	3.41	8.52	8.02	3.72	2.63	1.91	7.51	2.09	2.74	0.89	3.26	4.72	49.42
1900.	3.52	7.42	7.66	7.33	1.77	10.60	4.80	2.39	4.72	5.01	5.43	4.63	65.28
1901.	7.35	3.82	9.17	4.98	6.08	2.62	4.68	12.38	3.75	0.44	1.53	10.58	67.38
1902.	3.64	7.49	6.42	1.68	0.63	1.20	2.65	6.80	3.95	2.79	3.82	5.47	46.54
1903.	2.71	13.45	10.52	3.41	3.48	5.12	3.25	3.20	0.85	2.69	1.74	1.74	52.16
1904.	3.81	3.57	4.69	3.18	1.12	4.13	4.05	6.42	1.64	0.86	4.50	5.52	43.49
1905.	5.73	6.18	3.06	3.72	6.26	3.62	4.54	4.16	1.88	5.04	2.14	9.70	56.03
1906.	5.03	0.74	11.26	2.02	1.93	7.94	7.36	4.63	3.98	5.74	7.80	4.65	63.08
1907.	1.82	5.35	2.86	3.82	7.00	3.18	2.54	3.46	3.88	1.12	6.33	4.56	43.92
1908.	2.84	7.78	4.34	5.37	2.96	3.52	4.20	4.84	2.20	2.34	0.74	9.00	50.13
M'ns	4.75	4.56	5.68	4.20	3.28	3.94	3.95	3.84	2.56	2.59	3.40	4.57	47.32

TALLAPOOSA, GA., Haralson County. Elevation 1,150 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Annual.
1896.	......	......	......	......	......	......	......	......	......	......	4.43	1.37	......
1897.	3.53	6.35	8.10	3.28	0.50	1.24	6.15	3.92	0.10	1.59	1.23	5.07	41.06
1898.	3.42	0.78	3.88	6.32	0.45	4.32	9.42	10.82	4.91	8.32	4.34	1.91	58.87
1899.	3.93	7.44	7.69	4.30	1.52	0.95	8.05	3.67	0.20	3.21	......	......	......
1900.	......	......	......	......	1.99	9.92	6.19	2.88	7.11	4.72	3.46	4.97	......
1901.	5.70	......	......	......	9.22	3.31	......	......	......	......	......	......	......
1902.	......	......	......	......	0.56	0.70	1.70	2.13	5.05	1.15	2.67	4.99	......
1903.	3.29	10.34	5.95	2.62	3.23	4.43	2.55	1.66	1.53	1.10	1.88	......	......
1904.	5.29	2.93	2.42	1.35	0.87	3.34	1.69	6.81	0.07	0.16	0.68	2.93	28.54
1905.	3.15	2.68	2.13	4.04	5.89	2.55	4.46	5.08	1.66	2.23	2.28	5.67	41.82
1906.	4.89	1.99	8.11	0.97	0.86	5.12	9.05	5.66	7.91	3.60	1.99	......	......
1907.	0.78	7.73	......	4.90	4.29	6.15	1.85	2.19	2.51	0.71	7.38	3.68	......
1908.	2.27	3.80	4.62	5.32	2.18	1.77	4.04	5.19	2.56	2.87	1.18	5.32	41.12
M'ns	3.62	4.89	5.36	3.68	2.63	3.65	5.01	4.55	3.06	2.70	2.87	3.99	46.01

CHATTAHOOCHEE VALLEY GROUP.

ATLANTA, GA., Fulton County. Elevation 1,218 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1859.	3.84	4.50	6.00	5.47	4.87	3 49	5.61	6.78	7.24	1.62	3.87	11.25	64.54
1865.	......	......	......	......	......	......	......	......	......	......	4.53	8.66	......
1866.	3.98	5.18	3.04	4.21	6.87	4.89	1.27	4.05	3.65	2.54	4.46	4.87	49.01
1867.	1.70	1.47	5.74	......	......	......	......	......	......	......	......	4.84	......
1868.	5.01	3.55	2.71	6.88	4.07	0.50	3.14	2.17	2.00	8.87	3.12	5.12	47.14
1869.	5.31	9.93	5.85	8.67	1.75	2.48	4.00	2.12	2.31	1.87	6.03	6.69	57.01
1870.	5.31	6.50	5.00	2.82	0.68	4.46	2.25	4.69	9.40	0.67	5.42	3.74	50.94
1871.	2.03	6.20	6.01	5.20	7.77	5.97	1.12	6.49	4.44	2.09	3.41	3.36	54.09
1872.	2.94	5.28	7.66	3.09	3.75	1.82	3.91	5.84	2.26	0.74	2.12	4.48	43.89
1873.	3.36	12.04	2.58	1.96	6.05	7.06	3.87	2.08	5.40	1.23	3.15	2.41	51.19
1874.	3.14	6.86	7.38	10.42	3.00	7.71	4.70	10.00	0.47	0.80	3.19	3.00	60.67
1875.	5.60	6.92	10.27	4.79	1.77	3.98	4.04	3.02	4.24	2.08	3.76	3.75	54.22
1876.	1.25	2.75	5.36	3.38	4.06	1.92	2.89	4.26	1.02	2.06	2.55	2.70	34.20
1877.	9.08	2.10	7.75	6.36	0.88	4.85	1.32	1.00	2.99	3.74	3.22	3.52	46.81
1878.	5.24	2.83	1.36	3.12	2.16	3.88	1.06	5.08	0.60	1.99	4.54	5.80	37.56
1879.	4.29	3.09	2.49	3.98	4.16	3.20	5.75	4.76	1.43	5.44	3.88	7.86	50.33
1880.	2.86	3.11	11.87	7.07	4.52	3.57	3.16	3.61	6.21	2.81	8.21	5.70	62.70
1881.	8.35	10.41	10.98	4.58	1.27	2.46	0.56	4.10	3.76	3.44	4.30	7.53	61.74
1882.	6.40	10.29	4.16	5.21	3.02	3.22	6.61	5.86	3.51	1.35	4.22	4.37	58.22

ATLANTA, GA., Fulton County. Elevation 1,218 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1883.	15.82	3.22	3.73	8.20	2.00	2.31	1.06	2.73	1.38	1.52	4.72	4.84	51.53
1884.	5.20	5.84	9.70	5.86	1.33	10.73	2.42	2.06	0.08	0.70	2.84	6.09	52.85
1885.	8.44	4 14	4.26	1.31	6.12	4.83	4.02	6.92	6.51	3.94	3.98	2.64	57.11
1886.	7.33	1.53	11.16	2.52	6.21	8.68	2.08	2.36	0.53	0.03	5.32	3.03	50.78
1887.	3.52	3.74	1.99	1.38	1.76	2.82	14.11	7.51	4.20	3.28	0.30	5.79	50.40
1888.	3.89	5.91	8.16	1.34	6.86	4.71	1.85	3.89	14.26	3.99	4.70	5.42	64.98
1889.	6.39	5.28	2.49	2.54	3.16	5.03	8.83	6.73	6.32	2.21	5.17	0.60	54.75
1890.	2.95	3.36	3.13	2.04	6.32	1.12	5.37	3.99	5.36	4.89	0.18	3.89	42.60
1891.	6.73	8.50	10.16	1.58	2.17	4.71	5.38	2.59	1.19	0.02	3.26	3.68	49.97
1892.	8.93	3.44	5.71	4.75	1.37	4.65	3.77	6.66	2.70	0.59	4.41	2.89	49.87
1893.	3.02	5.45	2.43	2.48	4.46	4.65	2.13	4.07	3.06	0.39	1.11	3.18	36.43
1894.	5.09	4.98	2.99	3.06	1.49	1.29	5.55	3.70	5.78	2.62	0.92	3.45	40.92
1895.	5.47	2.01	7.55	5.20	3.99	4.87	2.75	8.55	0.21	1.30	1.04	2.98	45.92
1896.	†3.12	3.05	3.29	0.58	1.95	2.66	7.55	1.97	1.36	1.28	5.90	1.42	34.12
1897.	3.48	4.59	5.74	5.06	0.34	2.07	4.74	6.01	0.14	1.80	2.29	3.00	39.26
1898.	2.99	0.62	4.09	5.15	1.35	0.89	10.22	6.66	6.33	5.06	3.36	3.84	50.56
1899.	3.69	6.62	5.38	1.71	1.21	1.46	6.42	3.15	2.27	3.71	2.65	4.15	42.42
1900.	2.32	9.58	5.69	6.27	2.94	8.96	4.51	1.79	3.62	2.79	3.62	6.74	58.83
1901.	5.95	4.04	5.71	5.27	7.55	3.10	5.37	9.83	3.76	0.59	0.99	7.61	59.77
1902.	3.30	7.56	6.49	1.84	2.35	2.00	2.83	1.66	5.37	2.11	3.59	4.86	43.96
1903.	1 96	9.66	9.07	3.33	3.59	6.65	4.29	1.91	2.52	0.94	3.08	1.66	48.66
1904.	3.62	3.51	2.31	1.62	2.52	1.88	2.67	8.74	0.56	0.10	2.35	†3.25	33.13
1905.	3.93	3.12	0.88	2.75	3.32	4.03	4.64	3.58	2.62	2.12	1.98	9.54	42.51
1906.	6.78	0.56	10.86	0.81	3.47	5.96	8.93	1.51	4.05	5.13	1.08	4.51	53.65
1907.	1.76	4.63	2.42	3.63	3.59	1.95	3.09	2.12	3.58	1.22	5.99	5.45	39.43
1908.	4.64	4.40	3.57	7.36	2.95	3.04	5.09	5.44	2.46	3.63	2.10	4.15	48.83
M'ns	4.78	5.05	5.57	4.07	3.37	3.96	4.30	4.47	3.52	2.31	3.43	4.64	49.47

BLAKELY, GA., Early County Elevation 300 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890.	......	......	......	......	......	......	12.49	4.20	9.28	4.66	0.24	1.91	......
1891.	3.48	5.98	8.59	1.91	0.96	5.70	7.78	7.05	0.67	0.94	2.33	5.28	50.65
1891.	5.57	3.58	4.78	*0.21	1.40	8.12	7.33	8.19	3.25	2.11	4.14	3.47	52.15
1893.	4.75	6.63	6.64	2.95	4.57	3.23	1.96	5.33	4.59	2.49	2.52	2.36	48.02
1894.	3.86	9.89	5.75	3.67	3.14	2.03	5.47	7.69	1.74	7.74	1.04	3.89	55.91
1895.	10.10	3.32	4.30	3.95	1.81	5.83	11.91	9.53	1.05	1.00	0.61	2.83	56.24
1896.	4.15	9.52	5.61	2.44	1.73	1.91	12.52	3.91	0.97	1.97	5.43	3.11	53.27
1897.	2.08	9.46	12.62	3.57	1.81	4.31	4.11	8.99	3.23	1.51	0.65	3.20	55.54
1898.	1.84	2.13	2.30	3.09	3.31	2.89	8.53	9.36	2.40	4.95	7.90	5.64	54.34
1899.	6.14	5.91	4.66	3.82	1.30	7.84	5.95	5.39	0.76	3.35	1.73	2.96	49.81
1900.	2.52	11.85	7.61	5.73	1.13	7.58	*2.91	6.52	2.46	6.40	2.55	5.85	63.11
1901.	4.48	6.48	*8.25	*3.28	*6.28	2.41	4.65	9.55	6.66	1.45	1.25	2.25	56.99
1902.	1.23	9.22	13.40	1.03	3.70	5.23	4.49	4.15	3.17	3.40	4.26	2.17	55.45
1903.	3.86	6.05	5.54	1.18	7.50	7.17	......	8.90	7.50	1.34	6.85	3.20	......
1904.	3.75	2.90	2.00	1.43	2.05	2.37	6.09	......	0.10	0.25	......	3.51	......
1905.	3.28	7.65	3.60	2.20	1.47	4.91	4.32	4.94	2.42	2.43	0.85	8.51	46.58
1906.	9.10	3.95	4.07	0.60	4.07	7.70	8.04	9.21	5.70	5.95	0.75	3.88	63.02
1907.	0.87	2.67	2.12	12.57	2.68	2.92	12.77	5.18	13.16	1.51	5.06	9.43	71.04
1908.	5.39	7.35	3.50	5.10	2.32	1.99	7.71	7.34	1.12	1.73	0.49	2.41	46.45
M'ns	4.25	6.36	5.85	3.82	2.85	4.67	7.17	6.97	3.70	2.90	2.70	3.99	55.23

CARROLLTON, GA., Carroll County. Elevation —— feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	3.20	1.88	6.58	1.50	6.08	1.55	1.87	3.80	6.00	......
1879.	3.90	2.45	1.67	3.97	2.28	1.60	7.58	3.92	1.75	7.95	3.05	6.59	46.81
1880.	2.20	2.42	9.25	5 27	2.80	3.35	2.99	3.80	5.90	1.85	5.30	4.85	49.98
1881.	6.33	8.65	9.60	4.85	1.40	3.55	6.00	5.80	2.15	3.95	5.80	5.30	63.38
1882.	5.10	6.70	4.20	1.90	3.40	1.00	4.70	6.70	3.65	1.30	0.90	2.55	42.10
1883.	12.50	2.50	3.10	13.20	3.50	2.80	1.95	......	1.25	1.57	4.25	4.40	......
1484.	4.65	8.10	13.25	7.60	......	......	......	3.95	......	......	1.70	......	......
1885.	10.45	......	2.75	2.20	5.30	2.20	......	8.20	9.70	5.80	4.70	......	......
1886.	2.95	2.00	9.80	2.35	......	......	2.80	2.55	......	......	......	......	......
1887.	3.85	6.55	......	......	2.95	......	......	3.75	......	5.35	......	......	......
1904.	......	......	......	......	1.25	2.28	2.75	5.62	T.	0.00	2.85	2.95	......
1905.	4.31	4.56	1.29	2.18	4.53	3.98	9.84	3.96	0.90	2.02	0.66	3.40	41.63
1906.	4.67	1.10	9.91	......	......	5.10	5.67	8.25	6.77	3.68	......	5.35	......
1907.	1.90	5.15	0.60	2.82	3.95	......	1.55	0.80	......	......	......	......	......
1908.	4.05	6.48	3.63	5.26	3.15	......	......	......	......	3.35	2.00	......	......
M'ns	5.14	4.72	5.75	4.57	3.32	3.24	4.30	4.88	3.36	3.22	3.18	4.60	50.28

COLUMBUS, GA., Muscogee County. Elevation 262 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	4.37	......	......	4.01	......	1.60	......	......	......	......
1882.	......	......	......	1.03	1.87	4.54	9.02	3.72	4.90	......	......	......	......
1883.	......	......	......	......	3.70	......	1.67	3.16	1.98	0.52	......	......	......
1884.	......	......	......	1.82	0.50	5.23	5.22	1.43	......	0.03	......	......	......
1885.	......	......	......	......	6.01	3.83	3.66	6.64	6.25	5.62	......	......	......
1886.	......	......	......	2.05	2.12	8.48	6.54	6.49	0.74	0.25	......	......	......
1887.	......	......	......	......	3.60	5.11	12.59	2.84	4.16	2.92	......	......	......
1888.	......	......	......	0.96	0.03	4.30	4.64	15.56	12.00	2.95	......	......	......
1889.	......	......	......	......	2.46	6.09	8.42	......	3.99	......	5.69	......	......
1890.	......	......	......	......	8.23	1.93	7.08	2.44	3.76	3.84	0.16	......	......
1891.	......	......	......	......	2.61	3.44	8.20	6.19	1.11	0.00	4.29	4.94	......
1892.	6.67	......	......	0.51	2.42	1.33	2.10	4.54	1.14	0.40	2.86	......	......
1893.	1.62	5.10	3.22	2.84	2.08	6.56	2.84	5.79	4.81	2.52	1.65	0.75	39.78
1894.	2.40	7.81	3.47	1.20	2.16	3.65	9.88	4.88	1.77	6.41	0.52	5.43	49.58
1895.	7.45	2.24	10.60	5.14	2.95	1.85	3.43	3.99	0.38	0.57	......	......	......
1896.	4.47	7.07	3.94	2.92	2.14	3.87	10.35	5.52	5.36	......	......	......	......
1897.	1.63	7.84	9.91	5.09	0.31	2.33	4.97	7.90	0.70	1.23	1.13	3.13	46.17
1898.	2.54	1.10	1.71	3.87	0.84	2.24	6.80	11.98	0.55	4.44	5.75	6.40	48.22
1899.	6.90	4.88	2.71	2.92	3.03	1.75	7.34	1.51	0.32	4.56	0.90	3.84	40.66
1900.	1.95	12.13	4.60	5.00	1.02	6.35	7.46	1.64	2.13	5.38	4.30	7.55	59.51
1901.	3.84	3.94	8.27	4.07	4.92	6.16	5.08	7.14	6.36	0.55	......	5.50	......
1902.	2.25	......	9.79	1.66	2.00	2.01	4.60	4.28	3.96	5.42	3.11	4.60	......

† Estimated. * From Morgan.

COLUMBUS, GA., Muscogee County. Elevation 262 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903.	3.55	9.94	5.84	5.06	11.95	5.03	8.01	2.12	4.61	2.30	1.70	2.65	62.76
1904.	5.10	5.08	1.93	0.99	2.58	1.98	3.25	8.15	0.09	0.06	1.92	6.25	37.38
1905.	2.27	7.58	2.18	5.48	4.37	5.39	1.98	4.87	2.53	2.90	2.07	9.66	51.28
1906.	5.86	1.51	6.43	0.75	2.99	7.38	10.36	4.84	8.74	8.34	2.42	4.15	63.77
1907.	2.18	......	0.92	7.33	4.12	3.37	4.71	4.00	3.68	0.50	8.05	9.55	......
1908.	......	8.14	6.20	8.06	1.03	1.73	4.30	3.97	2.11	3.40	0.89	2.21	......
M'ns	3.79	6.03	5.11	3.32	3.21	4.07	6.02	5.22	3.32	2.71	2.79	5.11	50.70

DAHLONEGA, GA., Lumpkin County. Elevation 1,519 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1874.	......	......	......	......	4.29	11.19	10.30	......	......	......	......	......	......
1884.	......	......	......	......	......	......	......		......	......	......	7.20	......
1885.	10.13	5.65	2.80	1.94	5.08	3.43	6.30	4.56	7.54	6.75	8.47	5.70	68.35
1886.	8.33	3.46	13.47	4.66	6.92	7.40	......	......	......	......	......	......	......
1892.	......	3.31	5.66	6.25	2.12	9.84	8.21	5.51	3.64	0.47	6.47	3.90	......
1893.	2.85	8.76	3.94	2.29	5.40	6.05	......	......	9.07	0.80	1.87	3.24	......
1894.	6.76	7.26	2.71	2.47	5.56	2.35	7.89	8.74	3.75	2.52	1.01	8.38	59.40
1895.	10.44	2.76	7.34	6.02	7.98	4.87	2.63	15.38	0.93	2.09	2.20	4.64	67.28
1896.	4.57	4.81	2.91	2.07	5.05	4.62	8.03	2.95	1.82	3.36	7.86	0.97	49.02
1897.	5.77	6.01	9.98	7.10	0.90	2.05	8.27	1.75	0.65	3.69	3.51	6.08	55.76
1898.	5.54	1.38	4.60	5.53	1.00	3.87	10.62	10.69	12.08	8.32	4.45	3.69	71.77
1899.	4.64	8.96	10.07	4.54	1.06	4.12	5.68	4.37	0.76	2.64	2.93	5.01	54.78
1900.	3.42	9.84	6.35	6.72	3.03	13.01	8.74	2.77	5.35	4.47	2.94	5.47	72.11
1901.	6.34	3.60	6.79	4.63	10.39	8.13	1.97	12.74	5.83	0.80	1.02	10.94	73.18
1902.	3.12	8.06	5.92	1.70	1.55	1.31	2.17	3.34	6.82	1.95	4.01	8.00	47.95
1903.	4.60	14.11	9.95	4.14	4.02	10.05	3.41	2.46	2.64	1.20	1.76	2.28	60.62
1904.	3.25	4.43	3.96	2.55	3.96	1.32	2.32	8.76	0.51	T.	2.71	5.45	39.22
1905.	5.77	7.98	2.69	3.06	9.54	6.00	6.78	6.38	2.01	4.88	1.92	10.55	67.56
1906.	9.75	0.60	10.37	1.57	5.09	6.70	8.83	7.56	10.79	3.89	1.97	6.16	73.28
1907.	1.02	4.79	3.29	3.72	5.58	3.05	3.97	4.70	7.24	1.02	7.87	7.87	54.12
1908.	5.54	5.69	6.60	9.58	3.93	2.06	1.80	4.30	2.41	4.94	1.72	8.44	57.01
M'ns	5.66	5.87	6.28	4.24	4.62	5.57	6.00	6.29	4.60	2.99	3.59	6.00	61.77

EUFAULA, ALA., Barbour County. Elevation 200 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1884.	5.38*	4.20*	10.07*	2.97*	1.30	8.60	8.98	3.88	0.14	0.03	2.52*	4.78*	52.85
1885.	9.25*	3.59*	3.41*	2.03*	3.02	1.96	4.59	4.71	6.06	1.85	4.70*	2.98*	48.15
1886.	7.92*	4.31*	8.03*	2.72*	3.53	5.84	5.17	5.68	0.71	0.00	5.04*	3.92*	52.87
1887.	......	......	......	......	0.68	2.02	9.15	3.12	3.55	3.76	0.08*	13.84*	......
1888.	3.45*	6.57*	13.48*	2.70	4.00	3.55	1.45	10.75	4.73	5.18	4.08*	2.31*	62.25
1889.	8.39*	3.62*	2.18*	4.27*	1.15	3.14	6.24	1.97	2.38	2.30	7.47	0.56*	43.67
1890.	2.64*	3.30*	2.81*	3.28*	8.93	1.97	10.69	0.51	5.14	3.06	1.00	0.77*	44.10
1891.	3.00*	8.50*	8.30*	1.96*	2.17	5.81	4.98	6.89	0.77	......	......	4.78*	51.29
1892.	......	......	10.42*	......	3.31	2.82	11.09	10.09	3.14	0.59	1.19	5.12*	......
1892.	2.70	4.80	4.81	1.37	5.51	4.16	5.12	8.85	5.09	2.66	3.02	......	......
1894.	4.50	10.20	3.22	2.67	2.25	2.23	6.79	5.50	3.04	4.77	0.82	3.78	49.77
1895.	7.18	3.03	10.39	2.09	3.41	4.18	3.77	6.17	1.41	1.33	1.46	2.77	47.19
1896.	3.47	5.62	3.99	2.32	3.08	3.71	10.25	1.86	1.99	2.68	3.96	3.38	46.32
1897.	1.60	9.79	11.29	4.28	1.85	2.42	3.73	5.71	1.52	1.07	2.04	2.20	47.50
1898.	1.26	2.01	2.23	5.60	0.49	2.08	11.27	11.99	1.63	4.46	7.52	6.01	56.55
1899.	6.06	6.29	3.78	2.71	2.18	0.64	9.15	5.79	1.16	4.43	1.15	3.61	46.95
1900.	2.53	11.04	8.64	5.00	2.72	8.37	5.40	1.37	2.42	5.50	2.17	8.21	63.37
1901.	4.28	7.17	7.82	3.68	5.73	2.65	3.08	10.07	11.45	1.91	1.11	5.13	64.08
1902.	1.32	11.28	11.72	1.57	2.09	3.20	2.87	4.38	5.22	4.92	1.95	5.59	56.11
1903.	4.11	6.71	6.79	1.74	9.16	2.66	4.64	5.05	4.96	1.13	3.29	3.97	54.21
1904.	5.07	9.15	2.73	1.88	1.37	1.84	2.87	7.79	1.31	0.10	2.81	5.02	41.94
1905.	3.34	10.17	4.34	3.28	3.83	6.10	5.19	3.22	3.79	2.62	1.82	8.29	55.99
1906.	5.59	2.61	4.21	0.82	6.95	4.88	6.14	3.51	6.10	3.74	1.51	5.08	51.14
1907.	1.89	2.67	1.90	8.22	3.35	3.10	7.83	6.63	8.38	0.63	7.64	11.12	63.36
1908.	4.77	8.74	7.26	7.26	1.81	1.20	4.33	5.24	1.93	2.24	0.97	2.55	48.30
M'ns	4.33	6.32	6.41	3.24	3.35	3.56	6.19	5.63	3.52	2.54	2.89	4.82	52.80

FORT GAINES, GA., Clay County. Elevation 166 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	2.87	3.80	4.40	7.41	7.61	5.82	1.26	......	......	......
1883.	......	......	......	5.23	3.91	6.31	1.45	3.57	0.14	0.03	......	......	......
1884.	......	......	......	3.44	1.99	11.40	4.68	3.39	0.34	0.00	......	......	......
1885.	......	......	......	......	3.21	2.21	3.88	5.41	5.12	2.96	......	......	......
1886.	......	......	......	3.72	3.08	6.20	4.93	5.68	0.20	0.20	......	......	......
1887.	......	......	......	......	1.40	1.99	6.90	3.68	4.47	4.75	......	......	......
1888.	......	......	......	0.89	4.45	4.78	1.80	2.72	2.79	3.71	......	......	......
1889.	......	......	......	......	2.40	0.83	8.11	3.82	1.19	0.00	......	......	......
1890.	......	......	......	......	6.61	2.26	8.06	3.37	4.59	4.19	0.26	......	......
1891.	......	......	......	......	3.15	5.70	10.38	8.76	0.57	0.27	3.54	4.75	......
1892.	4.65	2.22	4.29	0.24	1.81	7.97	11.46	7.12	1.56	0.86	3.60	3.31	49.09
1893.	4.40	......	......	2.64	5.72	3.96	5.48	6.44	5.73	3.31	2.34	2.27	......
1894.	3.33	9.75	3.14	......	2.92	2.26	5.29	6.45	2.71	7.49	2.81	4.39	......
1895.	......	4.17	7.35	......	2.24	6.29	3.45	5.83	0.46	1.45	0.73	2.52	......
1896.	3.95	6.45	5.26	......	4.58	3.94	9.94	3.94	1.09	......	3.78	......	......
1897.	1.76	8.90	12.70	......	2.33	2.87	10.08	9.84	3.29	0.89	1.47	......	......
1898.	1.56	2.47	2.23	3.34	0.80	4.09	8.27	12.67	1.50	3.91	7.77	6.98	55.59
1899.	9.98	7.68	2.71	1.56	2.08	2.89	6.93	7.67	0.54	8.20	0.98	3.28	54.50
1900.	1.91	13.64	8.01	4.59	3.85	8.79	3.63	5.02	0.91	3.43	2.56	10.90	67.24
1901.	4.22	8.52	4.59	3.85	3.65	3.87	2.77	8.87	10.03	1.91	0.88	2.89	56.05
1902.	1.03	6.98	10.41	1.21	3.31	2.86	3.48	5.27	6.64	4.02	3.40	3.14	51.75
1903.	4.02	6.35	6.86	2.28	8.67	3.72	3.02	6.22	3.27	1.06	......	......	......
1904.	2.95	......	......	2.02	1.49	1.68	2.02	5.87	0.80	0.00	2.92	4.85	......
1905.	4.34	8.25	2.39	4.54	6.28	5.43	4.67	2.26	2.45	4.25	2.36	8.30	55.52
1906.	6.65	3.42	3.90	0.84	7.07	5.22	6.87	3.90	6.77	6.28	1.13	4.65	56.70
1907.	1.48	2.99	1.58	9.28	3.10	2.13	7.54	5.54	8.18	1.25	5.59	7.65	56.31
1908.	4.09	5.45	3.04	6.40	1.67	2.34	5.89	4.95	2.15	1.25	1.58	2.97	41.78
M'ns	3.77	6.48	5.23	3.27	3.54	4.13	5.87	5.77	3.08	2.30	2.65	4.86	51.13

* Interpolated.

GRIFFIN, GA., Spalding County. Elevation 975 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	3.10	......	......	......	4.80	1.30	1.95	3.60	4.20	......
1879.	3.00	2.70	2.45	4.90	1.75	......	7.10	6.45	......	......	......	......	......
1883.	......	......	......	5.84	3.19	3.44	1.57	12.90	0.85	1.75	......	......	......
1884.	......	......	......	4.53	1.16	12.22	3.45	3.79	1.11	0.68	......	......	......
1885.	......	......	......	......	6.88	3.09	5.68	5.81	11.64	4.88	......	......	......
1886.	......	......	......	0.68	5.35	7.06	3.04	2.82	0.98	0.05	......	......	......
1887.	......	......	......	......	2.83	4.22	14.44	5.09	1.91	4.44	......	......	......
1888.	......	......	......	1.18	4.99	5.04	6.46	7.17	10.14	4.38	......	......	......
1889.	......	......	......	......	2.96	3.82	3.59	8.00	4.12	3.03	4.07	......	......
1890.	......	......	......	......	7.25	2.17	5.47	5.93	3.67	4.33	0.00	......	......
1891.	......	......	......	......	4.40	2.40	3.17	3.40	0.71	0.00	1.79	......	......
1892.	......	......	......	......	1.22	5.85	4.75	3.99	2.36	0.32	2.05	......	......
1893.	......	......	......	......	2.13	5.42	3.21	6.28	5.14	1.41	1.29	2.25	......
1894.	......	7.00	5.85	1.44	1.72	1.79	12.23	6.45	2.75	4.80	1.24	3.30	......
1895.	......	......	......	2.80	6.20	5.85	4.82	10.03	2.41	1.90	......	......	......
1896.	......	......	......	......	1.14	3.08	8.90	1.75	0.58	......	......	......	......
1897.	......	......	......	......	0.97	3.65	6.11	4.40	0.00	1.18	......	......	......
1898.	......	......	......	......	1.10	2.99	7.41	8.80	2.65	6.78	5.70	4.40	......
1899.	4.30	......	......	......	3.23	0.75	2.15	2.65	0.12	4.99	......	......	......
1900.	......	......	......	......	3.32	15.88	5.20	3.95	2.92	4.18	......	......	......
1901.	......	......	......	......	5.55	3.56	3.10	7.65	4.61	0.37	0.68	9.16	......
1902.	1.65	12.79	7.54	2.34	1.40	1.50	2.05	4.14	3.19	3.63	3.37	3.11	46.71
1903.	2.12	11.60	8.12	2.60	4.81	3.96	4.01	5.14	5.72	0.44	1.07	2.35	51.94
1904.	3.75	3.69	2.07	1.88	3.09	1.66	2.70	6.44	0.42	0.39	2.87	3.95	32.91
1905.	2.11	4.36	1.69	3.01	3.34	1.05	3.50	2.30	......	3.99	1.35	7.43	......
1906.	5.72	1.37	7.43	0.48	2.39	7.84	4.14	8.66	4.32	4.75	2.60	3.98	53.68
1907.	1.39	4.44	1.57	5.72	2.15	4.69	6.64	6.24	5.22	0.33	6.10	6.88	51.37
1908.	3.69	8.66	4.72	6.49	3.56	2.15	2.45	4.08	1.83	2.60	1.37	6.44	48.04
M'ns	3.08	6.29	4.60	3.13	3.26	4.43	5.09	5.68	3.10	2.60	2.45	5.22	48.93

LOST MOUNTAIN, GA., Cobb County. Elevation —— feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900.	......	......	5.04	6.16	3.07	11.91	3.75	0.66	4.98	6.48	3.16	4.88	......
1901.	5.38	2.98	5.14	5.43	7.91	3.24	4.52	9.06	2.83	0.69	1.73	10.17	59.08
1902.	3.78	7.78	6.99	1.82	1.29	2.02	3.79	4.48	5.30	0.92	4.00	5.15	47.32
1903.	2.56	12.33	8.49	3.27	4.27	4.72	3.97	3.08	2.08	1.31	2.97	2.07	51.12
1904.	3.82	3.28	4.52	1.41	1.43	5.40	2.98	10.84	0.25	T.	3.03	3.30	40.26
1905.	4.93	6.91	1.94	2.48	5.91	5.82	7.10	6.03	4.01	3.37	2.00	8.45	58.95
1906.	6.82	0.64	9.99	0.94	2.32	4.27	8.28	5.22	4.86	3.58	2.35	5.51	54.78
1907.	1.08	5.36	2.28	3.88	5.36	2.87	3.26	5.05	3.85	1.70	6.73	6.14	47.56
1908.	3.91	7.55	2.60	5.13	2.44	2.38	4.95	1.76	1.96	4.54	1.77	5.86	44.85
M'ns	4.04	5.85	5.22	3.39	3.78	4.74	4.73	5.13	3.35	2.51	3.09	5.73	51.56

LAGRANGE, GA., Troup County. Elevation 778 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	2.80	2.40	5.65	1.80	6.85	1.85	2.35	3.45	5.10	......
1879.	3.60	2.05	3.05	3.62	1.85	2.35	4.50	2.42	0.81	7.15	2.50	7.65	41.55
1880.	1.84	3.67	11.62	3.50	4.70	1.30	4.06	4.80	2.00	2.50	4.90	7.97	52.86
1881.	4.52	8.40	8.12	4.60	1.00	2.30	3.80	6.10	2.12	3.10	2.70	4.60	51.36
1882.	4.55	9.20	8.50	5.30	2.45	2.75	3.05	5.40	3.62	1.80	2.00	5.70	54.32
1883.	7.75	2.50	2.60	9.45	2.10	3.55	1.00	5.63	0.59	2.42	1.45	5.45	44.49
1884.	2.17	2.00	7.52	2.47	1.00	11.75	4.70	3.16	0.00	0.70	2.60	......	......
1885.	6.35	2.33	3.31	2.81	3.98	3.96	3.37	5.27	8.85	3.85	5.25	1.70	51.03
1886.	8.47	2.57	8.52	2.13	4.53	10.21	5.82	2.61	1.17	0.00	5.20	2.82	54.05
1887.	......	6.17	1.02	0.97	1.95	3.70	17.48	1.93	3.80	......	......	9.91	......
1888.	3.62	8.48	9.84	1.25	6.78	7.73	5.17	6.90	4.17	......	......	......	......
1892.	......	5.98	6.16	1.59	2.39	4.42	5.45	4.17	2.77	0.43	2.64	4.68	......
1893.	2.94	5.04	6.48	2.66	4.37	5.53	1.83	9.53	2.94	2.04	1.63	3.16	48.15
1894.	3.14	8.01	4.50	2.41	1.45	2.18	4.87	5.44	1.40	3.36	0.42	4.78	41.96
1895.	7.65	2.36	8.44	......	4.94	2.89	5.14	4.93	0.03	2.45	0.75	3.36	......
1896.	4.98	4.65	4.12	1.65	1.53	1.66	11.05	1.28	3.58	1.07	7.15	1.69	44.41
1897.	2.72	5.82	9.40	6.09	1.16	2.27	7.86	4.76	T.	1.70	1.50	1.75	45.03
1898.	2.74	0.87	3.59	4.90	0.22	3.73	4.76	12.71	1.63	6.35	4.31	4.53	50.34
1899.	3.83	6.09	3.57	2.08	1.44	2.22	5.40	......	......	......	......	......	......
M'ns	4.43	4.79	6.13	3.36	2.64	4.22	5.32	5.22	2.30	2.58	3.03	4.68	48.70

LUMPKIN, GA., Stewart County. Elevation 650 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	6.68	0.17	3.01	3.71	4.91	7.94	4.47	0.17	......	......	......
1893.	2.73	5.17	5.44	1.60	6.05	9.81	3.96	10.28	3.85	2.94	2.02	1.22	55.07
1894.	3.59	9.05	2.18	2.09	2.20	4.50	6.59	4.55	......	......	......	......	......
1895.	......	......	......	......	4.44	2.58	3.65	......	......	0.90	......	......	......
1896.	3.61	5.84	4.14	2.34	1.17	3.27	8.21	3.88	2.14	2.82	......	......	......
1897.	......	10.18	11.32	4.77	0.64	3.86	2.07	5.39	0.82	2.27	0.31	1.97	......
1898.	1.40	2.40	1.93	3.66	1.47	3.75	10.59	12.44	0.42	6.17	......	......	......
1899.	6.23	6.10	3.78	3.82	2.47	1.43	5.48	4.98	0.83	4.76	1.12	3.66	44.66
1900.	2.42	12.10	6.12	6.28	1.12	2.95	3.50	2.98	1.30	4.33	3.78	8.27	55.15
1901.	4.35	5.53	7.78	3.21	5.01	2.58	1.46	7.79	9.76	1.24	0.95	5.01	54.67
1902.	3.08	7.51	9.57	1.68	1.75	5.32	4.32	4.38	5.29	2.96	2.51	3.16	51.53
1903.	3.33	9.48	5.66	2.79	11.67	3.93	3.92	2.22	4.03	1.79	3.98	3.24	56.04
1904.	5.20	7.85	1.46	1.38	2.85	1.00	4.26	7.09	1.09	0.00	3.10	4.69	39.97
1905.	3.65	9.68	4.70	5.14	4.53	2.25	1.96	4.54	2.73	2.46	1.80	8.24	51.68
1906.	5.72	2.61	4.55	0.68	4.76	3.86	7.99	2.10	4.99	4.18	1.75	......	......
1907.	1.91	2.95	1.61	9.33	3.97	2.61	2.96	3.13	4.92	1.40	6.98	8.78	50.55
1908.	9.27	3.03	6.56	7.48	0.91	1.50	2.60	11.43	1.02	2.40	1.72	3.72	51.64
M'ns	4.04	6.63	5.22	3.53	3.41	3.47	4.61	5.95	3.18	2.55	2.50	4.72	49.81

NEWNAN, GA., Coweta County. Elevation 959 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	2.78	2.43	4.35	7.71	10.48	3.98	1.51	......	......	......
1883.	......	......	......	10.45	3.31	2.25	1.18	6.47	0.50	3.13	......	......	......
1884.	......	......	......	6.02	1.64	10.55	3.54	2.74	0.11	0.52	......	......	......
1885.	......	......	......	......	6.69	3.29	5.12	6.95	8.08	5.86	......	......	......
1886.	......	......	......	......	5.10	9.99	3.83	3.02	1.90	0.00	......	......	......
1887.	......	......	......	......	2.72	3.64	15.93	4.47	4.16	3.36	......	......	......
1888.	......	......	......	1.60	6.78	6.45	2.48	3.20	9.80	4.53	......	......	......
1889.	......	......	......	......	2.32	7.59	4.31	7.49	4.14	2.35	4.30	......	......
1890.	......	......	......	......	6.07	3.52	6.09	1.92	8.37	5.84	0.14	......	......
1891.	......	......	......	......	2.84	3.32	4.01	2.68	2.12	0.00	2.16	......	......
1892.	......	......	......	......	1.35	4.34	4.64	6.56	5.22	0.36	4.23	......	......
1893.	......	......	......	......	3.14	7.97	0.86	8.45	4.18	0.35	1.89	......	......
1894.	......	......	......	......	1.34	1.40	5.32	4.40	2.62	2.95	0.40	......	......
1895.	......	......	......	......	5.27	2.85	5.22	4.46	1.13	2.39	......	......	......
1896.	......	......	......	......	1.82	3.72	10.14	2.02	1.26	1.19	7.13	0.95	......
1897.	3.17	6.70	8.43	4.83	0.66	4.61	5.29	4.85	0.21	1.08	2.24	3.37	45.44
1898.	1.88	......	4.74	5.22	0.83	2.93	7.37	14.59	2.81	8.15	4.50	4.15	......
1899.	7.69	7.08	4.17	2.33	1.52	0.90	3.45	2.74	0.76	5.09	3.01	4.29	43.03
1900.	2.28	9.68	4.88	4.98	3.51	13.44	7.20	0.78	3.06	3.08	2.86	6.72	62.47
1901.	6.10	5.86	5.12	2.77	9.85	4.03	4.55	8.15	7.41	1.65	1.21	6.68	63.38
1902.	1.72	9.07	7.71	2.52	1.31	2.00	3.14	3.64	4.40	4.71	5.31	5.59	51.12
1903.	2.15	9.42	8.02	2.95	4.62	5.09	4.97	1.26	3.32	1.98	1.59	2.05	47.42
1904.	3.85	4.67	2.12	1.37	2.63	1.39	1.30	9.11	0.05	0.00	2.28	3.44	32.21
1905.	3.17	5.79	2.02	3.90	3.26	4.09	3.51	5.94	1.35	3.32	1.96	8.69	47.00
1906.	7.60	1.04	13.77	0.71	2.78	3.42	6.71	6.49	4.30	5.77	0.54	4.36	57.49
1907.	2.24	5.43	3.57	6.13	5.26	2.08	4.41	2.46	2.29	0.76	7.74	7.89	50.26
1908.	4.01	7.48	3.89	6.50	5.63	2.62	4.59	7.43	2.03	3.80	2.37	6.21	56.56
M'ns	3.82	6.57	5.70	4.07	3.51	4.51	5.07	5.29	3.32	2.73	2.94	4.95	52.48

TALBOTTON, GA., Talbot County. Elevation 750 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	5.55	4.55	5.10	1.08	5.45	1.90	2.35	4.95	......	......
1892.	......	......	11.56	......	......	......	......	......	......	......	......	......	......
1893.	......	6.23	3.76	2.72	3.29	5.88	2.08	9.68	4.36	3.24	1.72	1.66	......
1894.	3.97	7.54	3.13	1.35	1.00	2.69	7.65	6.25	3.28	6.70	1.36	4.90	49.80
1895.	7.64	1.99	8.79	4.79	2.13	3.09	7.53	7.30	0.82	1.24	1.12	4.25	50.69
1896.	5.40	6.83	3.45	1.70	1.27	4.01	9.86	1.73	2.04	2.18	8.46	3.09	50.22
1897.	......	7.38	12.99	3.38	2.17	4.13	5.41	7.53	0.68	1.11	1.92	1.51	......
1898.	2.42	1.08	2.93	4.93	1.45	1.59	11.58	11.06	1.12	7.63	5.87	4.23	55.89
1899.	6.12	6.29	3.98	3.63	1.73	0.35	2.08	3.46	1.76	7.57	2.04	4.88	46.89
1900.	2.26	12.76	4.60	5.02	0.85	5.91	4.91	1.28	3.00	3.84	5.44	5.93	55.79
1901.	3.27	3.69	8.65	3.91	5.85	2.46	3.07	7.36	5.76	0.52	0.82	6.43	51.79
1902.	2.04	9.30	9.52	1.85	2.90	0.90	4.49	3.33	3.10	4.40	3.33	4.54	49.70
1903.	3.75	7.04	7.35	6.80	6.04	5.80	7.07	3.83	4.61	2.46	1.65	2.76	59.16
1904.	4.14	5.08	3.18	1.88	2.81	1.31	4.05	7.05	0.19	0.12	3.13	6.19	39.13
1905.	2.45	7.71	3.29	4.34	5.11	1.50	2.98	6.64	3.31	4.13	1.97	7.04	50.49
1906.	5.95	2.38	6.06	0.75	3.81	6.86	5.89	6.88	11.85	4.27	2.05	4.19	60.94
1907.	2.16	3.78	2.57	8.15	5.08	4.40	5.00	2.78	4.22	0.89	8.08	8.83	55.94
1908.	5.31	5.15	5.74	12.47	1.47	......	8.42	7.66	0.85	3.48	1.20	4.65	......
M'ns	4.06	6.08	5.97	4.31	3.03	3.50	5.48	5.84	3.11	3.31	3.24	4.69	52.62

OPELIKA, ALA., Lee County. Elevation 817 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1868.	......	......	......	5.69	2.91	0.25	5.53	3.28	4.59	9.75	2.09	4.12	......
1869.	......	......	......	......	1.81	4.69	5.12	2.86	0.44	0.56	4.19	4.75	......
1882.	4.47*	11.31*	9.28*	4.21	1.36	2.65	4.02	6.60	2.71	1.78	2.48*	3.85*	54.75
1883.	8.79*	2.44*	2.58*	10.65	4.15	4.71	2.94	2.50	0.60	2.58	1.85*	5.47*	49.26
1884.	5.38*	4.20*	10.07*	3.10	0.64	10.15	5.88	1.47	0.29	0.56	2.52*	4.78*	49.04
1885.	9.25*	3.59*	3.41*	2.03*	7.13	3.33	6.98	3.75	6.43	4.56	4.70*	2.98*	58.14
1886.	7.92*	4.31*	8.03*	3.30*	5.82	10.73	5.13	4.61	0.53	0.00	5.04*	3.92*	59.34
1887.	4.05*	6.79*	2.27*	1.59*	5.09	2.56	20.18	6.53	2.56	2.74	0.08*	13.84*	68.28
1888.	3.13*	7.34*	11.24*	1.45	6.50	5.28	2.80	4.45	7.20	4.60	4.96*	2.94*	61.89
1889.	9.12*	5.72*	2.81*	3.73*	1.40	4.34	4.63	2.03	2.66	0.59	4.09	0.68*	41.80
1890.	2.64*	3.30*	2.66*	1.52*	5.55	3.28	4.71	5.75	4.79	7.33	0.09	2.62*	44.24
1891.	4.98*	11.20*	6.96*	2.03*	3.23	4.76	4.27	5.04	0.94	T.	3.38	4.07*	50.86
1892.	8.13*	3.72*	7.49*	2.27*	2.72	6.01	6.31	4.94	2.72	0.19	4.27*	3.18*	51.95
1893.	2.03*	7.43*	2.64*	5.88*	5.31	5.26	2.07	5.69	3.63	2.10	1.08	2.59*	45.71
1894.	3.19*	2.22	1.75	0.48	1.98	0.18	2.34	5.03	1.47	3.17	0.72	2.10	24.63
1895.	6.31	2.76	4.45	3.18	4.16	6.72	3.86	3.66	0.84	0.90	1.24	3.58	41.66
1896.	6.53	3.87	2.48	1.29	1.63	1.94	5.54	1.39	1.94	1.02	5.10	1.30	34.03
1897.	1.25	5.92	9.09	5.37	1.03	0.70	6.33	5.38	0.96	2.14	3.29	3.33	44.79
1898.	4.89	1.85	3.15	4.11	0.11	1.26	6.39	9.30	3.43	9.27	7.26	7.66	58.68
1899.	7.41	6.42	5.58	2.54	2.39	2.47	3.98	3.69	0.31	2.78	1.75	5.96	45.28
1900.	3.52	10.87	6.10	4.51	0.07	9.89	4.64	4.05	6.16	8.29	7.80	7.17	73.07
1901.	9.59	7.14	9.63	7.60	4.09	4.08	3.45	5.82	3.35	0.50	1.25	10.88	67.38
1902.	4.37	10.75	12.48	3.01	0.87	1.14	3.53	7.26	5.37	8.18	6.75	6.27	69.98
1903.	3.36	11.36*	7.38	4.73	9.38	5.31	3.60	3.84	2.97	1.39	0.59	3.39	57.30
1904.	5.48	6.33	3.01	1.10	3.05	6.46	5.48	5.71	0.09	0.00	2.60	3.80	43.11
1905.	4.42	6.31	2.11	4.39	4.25	1.53	1.94	9.32	1.41	4.43	1.82	11.72	53.65
1906.	3.86	1.84	7.38	1.28	4.75	4.73	8.61	1.88	7.11	4.16	2.20	3.99	51.79
1907.	2.19	5.03	2.40	7.16	4.49	3.51	5.64	1.65	3.43	1.59	7.92	8.46	53.47
1908.	3.30	6.69	4.95	8.68	2.74	1.11	2.49	4.12	1.12	2.03	2.29	4.21	43.73
M'ns	5.17	5.95	5.61	3.82	3.40	4.10	5.12	4.54	2.76	3.01	3.22	4.95	51.65

WEST POINT, GA., Troup County. Elevation 620 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	6.54	2.22	3.36	6.80	7.41	4.77	2.41	......	......	......
1883.	......	......	......	8.65	3.22	4.53	2.19	2.57	0.75	2.46	......	......	......
1884.	......	......	......	3.69	0.97	9.94	3.23	4.11	0.06	0.60	......	......	......
1885.	......	......	......	......	4.59	5.83	2.02	7.76	8.81	5.97	......	......	......
1886.	......	......	......	1.96	3.75	9.23	1.86	4.28	0.42	0.00	......	......	......
1887.	......	......	......	......	2.12	1.87	12.26	4.31	2.99	2.47	......	......	......
1888.	......	......	......	1.29	4.80	4.80	3.91	5.67	7.38	4.40	......	......	......
1889.	......	......	......	......	2.60	3.32	4.40	5.50	2.76	2.52	6.95	......	......
1890.	......	......	......	......	5.16	4.35	3.86	3.88	4.09	6.27	0.00	......	......
1891.	......	......	......	......	2.27	5.08	3.95	4.07	1.61	0.00	3.30	......	......
1892.	......	......	......	......	2.87	3.45	8.14	4.61	3.65	0.15	3.08	......	......
1893.	......	......	......	......	3.93	5.93	3.00	10.71	2.73	1.99	2.08	2.68	......
1894.	4.38	8.72	3.93	2.28	1.84	1.21	5.87	5.10	3.02	4.43	0.42	4.83	46.03
1895.	......	......	......	5.09	3.84	4.23	4.73	6.52	0.40	1.59	......	......	......
1896.	......	......	......	......	1.88	1.88	8.51	1.85	3.67	......	......	......	......
1897.	......	......	......	......	1.06	1.76	5.37	6.47	0.70	1.23	......	......	......
1898.	......	......	......	......	0.30	6.00	4.88	9.83	2.98	5.55	......	......	......
1899.	......	......	3.53	1.53	1.51	2.65	5.42	2.81	0.29	2.62	3.02	3.70	......
1900.	3.03	10.81	4.05	4.31	0.67	14.05	3.60	3.77	6.93	6.15	2.40	5.86	65.63
1901.	5.47	4.18	5.58	2.86	6.22	5.46	3.80	10.23	5.63	0.82	1.35	11.13	62.73
1902.	1.75	11.94	8.22	1.81	2.86	1.54	1.32	4.23	3.09	4.93	5.81	5.44	52.94
1903.	2.34	13.69	7.74	4.79	9.94	4.76	4.15	3.95	3.82	1.66	1.22	2.84	60.90
1904.	4.41	5.09	2.86	1.92	2.48	3.17	2.47	6.61	0.30	0.02	2.59	3.02	34.94
1905.	3.10	7.04	1.97	3.97	3.08	1.64	1.56	6.69	3.05	3.88	1.58	10.71	48.27
1906.	4.74	1.41	7.37	0.66	4.12	7.58	8.12	5.04	5.88	5.03	3.57	3.64	57.16
1907.	1.94	3.13	2.27	7.72	4.63	2.39	6.56	1.21	3.14	1.42	8.12	7.36	49.89
1908.	3.13	7.56	5.22	10.56	3.64	0.82	2.62	5.54	1.05	2.53	2.00	4.66	49.34
M'ns	3.43	7.36	4.79	4.10	3.21	4.48	4.62	5.36	3.11	2.73	2.97	5.49	51.65

* Interpolated.

FLINT VALLEY GROUP.

ALBANY, GA., Dougherty County. Elevation 230 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	4.40	5.05	5.75	......	......	......	......	......	......	......
1879.	......	2.00	3.35	9.05	3.55	......	......	......	......	......	......	......	......
1882.	......	......	......	2.22	5.59	3.18	5.19	4.71	3.78	3.36	......	......	......
1883.	......	......	......	6.50	4.95	4.47	1.45	6.17	0.96	0.00	......	......	......
1884.	......	......	......	2.75	1.12	5.09	8.57	3.75	0.88	0.00	......	......	......
1885.	......	......	......	......	5.07	3.32	9.09	5.61	3.85	2.45	......	......	......
1886.	......	......	......	1.49	3.52	4.94	4.29	4.59	0.07	0.38	......	......	......
1887.	......	......	......	......	2.95	2.85	5.87	4.60	3.15	4.62	......	......	......
1888.	......	......	......	0.41	8.90	5.04	2.12	6.80	7.06	......	......	......	......
1889.	......	......	......	......	2.19	3.39	5.32	4.28	2.30	0.00	1.75	......	......
1890.	......	......	......	......	2.93	4.25	5.28	4.93	4.76	4.44	0.05	......	......
1891.	......	......	......	......	1.00	6.94	7.23	4.00	1.44	0.41	3.09	2.51	......
1892.	3.61	......	......	T.	1.05	3.48	4.07	9.18	1.43	T.	2.85	0.70	......
1893.	3.20	4.30	4.65	4.54	3.95	3.06	5.06	1.99	3.74	2.48	1.81	4.50	43.28
1894.	2.64	8.71	3.28	2.96	2.26	2.14	7.82	10.92	2.44	5.73	4.50	4.20	57.60
1895.	10.40	3.58	4.43	4.16	3.11	4.67	3.80	6.78	2.26	1.69	0.94	2.23	48.05
1896.	3.66	8.99	4.68	0.40	2.14	1.85	7.66	2.00	2.43	2.10	2.18	1.78	39.87
1897.	1.00	5.31	11.51	3.69	1.49	3.71	7.53	4.22	2.93	2.39	0.55	2.59	46.92
1898.	1.58	2.06	1.85	3.91	0.68	5.92	7.12	11.60	0.72	4.72	6.37	5.33	51.86
1899.	6.70	7.39	3.21	3.96	1.30	2.57	3.38	4.09	0.91	4.06	0.37	2.55	40.49
1900.	3.22	5.88	6.13	4.94	0.62	8.24	5.07	4.12	1.06	4.56	4.07	7.00	54.91
1901.	4.77	6.94	5.51	1.30	8.08	7.70	3.09	8.73	5.56	2.78	1.48	4.90	60.84
1902.	2.36	9.20	11.98	1.17	6.28	6.33	5.22	5.94	3.81	4.13	2.17	5.21	62.86
1903.	4.09	4.96	3.81	2.86	7.45	2.62	8.83	7.25	7.34	1.78	3.31	2.89	57.19
1904.	4.58	4.99	2.53	1.45	1.42	2.04	5.73	14.33	0.32	T.	1.77	3.95	43.11
1905.	4.11	8.21	5.25	5.35	6.81	3.02	1.72	3.45	4.77	2.96	1.76	7.93	55.34
1906.	5.13	2.80	5.25	0.84	7.57	3.07	8.34	10.77	2.35	2.25	1.17	2.12	51.66
1907.	2.54	3.54	2.19	7.99	3.15	3.36	8.90	11.64	9.12	0.19	4.66	7.39	64.67
1908.	3.31	9.94	6.65	7.45	2.53	1.18	5.37	5.49	2.67	2.13	1.54	1.77	45.03
M'ns	3.88	5.53	5.07	3.49	3.68	4.08	5.67	6.37	3.04	2.29	2.32	3.86	49.28

AMERICUS, GA., Sumter County. Elevation 362 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1876.	......	......	......	......	3.81	4.56	2.19	3.79	4.48	......	......	......	......
1878.	......	......	......	3.71	2.69	6.37	5.18	3.90	2.92	3.90	......	......	......
1879.	1.10	1.65	3.50	6.90	2.90	3.45	11.40	4.00	3.20	4.45	1.00	3.25	47.40
1880.	1.25	4.75	3.50	4.10	3.75	1.65	4.65	8.00	1.35	2.75	5.80	3.60	45.15
1881.	4.05	3.80	7.45	6.55	2.35	4.45	1.40	4.60	2.45	1.55	3.30	3.90	45.85
1882.	3.30	4.75	6.25	2.60	3.10	2.00	9.15	7.90	8.95	1.50	2.80	3.75	56.05
1883.	6.85	1.20	3.60	4.60	2.90	4.20	2.55	......	1.90	0.05	0.00	2.50	......
1884.	2.10	2.25	9.50	3.30	2.40	9.15	6.25	0.50	0.20	0.70	1.65	3.00	41.00
1885.	10.75	2.65	3.15	1.60	5.74	3.07	8.65	6.27	4.25	......	......	......	......
1886.	......	......	......	......	5.35	16.85	4.71	3.15	......	......	......	......	......
1891.	......	......	......	......	1.00	6.00	5.43	6.83	0.38	0.59	3.16	3.47	......
1892.	6.78	3.70	6.95	0.27	4.38	5.47	6.56	9.00	2.85	0.25	3.36	2.73	52.30
1893.	4.35	4.31	3.92	2.07	3.06	3.44	2.90	7.09	3.70	2.14	1.28	2.40	40.66
1894.	2.96	7.49	3.19	2.37	1.68	3.56	9.89	6.61	2.06	4.02	1.80	2.64	48.27
1895.	8.44	1.97	7.23	5.05	3.61	2.83	4.91	6.28	0.72	0.59	0.78	3.13	45.54
1896.	4.45	6.21	4.76	1.54	1.85	2.64	9.29	4.69	1.24	1.98	6.41	4.13	49.19
1897.	2.03	8.02	11.57	3.00	1.06	4.61	2.50	4.91	1.34	1.52	0.46	2.60	43.62
1898.	1.25	1.64	1.42	6.72	2.54	3.18	4.31	10.25	2.19	5.92	7.19	4.80	51.41
1899.	6.05	6.05	4.98	3.01	2.70	1.51	3.10	4.39	0.59	5.17	0.95	2.39	40.89
1900.	2.71	9.62	8.12	5.26	1.64	4.37	5.26	2.86	1.58	3.77	2.91	10.11	56.21
1901.	4.70	5.41	7.31	2.57	4.14	5.06	5.08	7.86	13.28	0.86	1.10	3.78	61.15
1902.	0.93	8.41	13.13	1.33	4.09	3.48	2.99	6.12	2.63	4.89	1.32	2.79	52.11
1903.	4.00	7.05	5.16	3.20	7.94	6.15	3.93	5.09	5.52	1.57	4.73	3.63	57.97
1904.	4.82	9.60	0.83	1.97	2.69	2.65	3.39	7.38	0.02	0.07	3.53	4.16	41.11
1905.	3.81	8.94	4.03	4.93	4.70	4.39	2.28	3.32	2.81	3.17	2.09	6.98	51.45
1906.	7.82	3.32	5.16	1.26	5.09	4.76	4.57	4.57	5.79	2.78	1.22	3.57	49.91
1907.	2.30	2.07	1.31	6.82	3.38	1.24	6.08	7.15	8.45	0.44	7.11	5.91	52.27
1908.	4.78	7.16	5.99	5.53	1.47	1.69	7.17	7.42	4.55	1.11	0.75	2.18	49.80
M'ns	4.23	5.08	5.50	3.49	3.29	4.42	5.21	5.33	3.31	2.25	2.72	3.81	48.64

BAINBRIDGE, GA., Decatur County. Elevation 119 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	......	1.10	......	6.00	......	......	......	......	......	......
1879.	......	......	3.80	11.60	3.30	1.95	9.20	10.50	4.50	......	......	......	......
1884.	......	......	......	6.40	0.24	6.01	......	......	......	......	......	......	......
1885.	......	......	......	......	0.44	0.31	0.73	0.95	2.45	0.11	......	......	......
1886.	......	......	......	2.41	1.69	10.68	9.94	3.81	1.90	1.05	......	......	......
1887.	......	......	......	......	0.60	1.09	10.43	5.33	3.39	7.50	......	......	......
1888.	......	......	......	0.51	3.39	5.81	5.83	6.37	6.06	5.65	......	......	......
1889.	......	......	......	......	1.13	3.02	2.19	4.23	2.14	0.90	0.94	......	......

BAINBRIDGE, GA., Decatur County. Elevation 119 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890.	......	......	......	......	1.80	4.55	11.90	1.98	6.51	5.64	0.21	......	......
1891.	......	......	......	......	2.41	6.88	5.78	3.86	1.87	T.	......	......	......
1892.	......	......	......	......	......	5.70	9.22	8.45	5.69	1.04	1.79	......	......
1893.	......	......	......	4.31	6.10	6.29	5.28	3.87	4.81	2.13	2.40	3.11	......
1894.	1.66	7.69	6.56	4.00	3.05	4.77	7.05	6.29	2.67	3.56	0.61	2.17	......
1895.	8.40	3.51	5.21	4.90	4.48	6.20	9.13	4.99	2.64	1.27	......	......	......
1896.	......	......	......	......	1.05	6.53	7.96	4.03	0.78	......	......	......	......
1897.	......	......	......	......	1.87	1.31	7.74	9.04	3.98	1.27	......	......	......
1898.	......	......	......	......	1.84	3.16	6.76	8.91	3.03	2.31	......	......	......
1899.	......	......	......	......	3.50	1.02	3.32	7.23	1.36	3.49	......	......	......
1900.	......	......	......	......	2.29	8.34	5.98	1.04	2.19	3.39	......	......	......
1901.	......	......	......	......	4.08	3.36	3.94	7.31	4.42	0.74	0.55	2.93	......
1902.	0.87	7.57	11.85	1.01	3.18	7.16	3.87	3.38	8.19	3.35	1.55	4.44	56.42
1903.	......	......	4.85	0.47	4.59	3.61	7.69	6.17	7.43	......	......	......	......
1904.	......	......	......	2.49	3.32	4.78	2.67	11.42	4.28	T.	3.40	3.29	......
1905.	4.31	5.91	4.14	2.08	6.76	3.93	4.38	7.29	6.03	3.65	1.36	7.89	57.73
1906.	5.78	3.53	3.96	1.20	7.68	3.63	8.92	7.08	4.23	3.57	0.66	2.94	53.18
1907.	0.86	3.39	0.93	4.92	2.88	5.52	7.37	7.98	7.16	2.03	4.16	9.69	56.89
1908.	4.20	5.02	3.90	7.98	5.08	3.20	4.55	4.45	2.34	1.16	0.15	1.70	43.73
M'ns	3.73	5.23	5.02	3.88	3.00	4.57	6.46	5.84	4.00	2.45	1.48	4.24	49.90

BUTLER, GA., Taylor County. Elevation 650 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	2.60	4.50	......	7.35	......	......	......	......	......	......
1879.	......	1.60	3.50	7.82	5.80	8.30	8.35	5.85	2.75	......	......	......	......
1891.	......	4.40	8.70	1 22	1.20	......	......	......	......	......	......	......	......
1902.	......	......	......	1.52	2.74	2.33	5.13	5.82	1.38	3.89	2.71	3.85	......
1903.	3.17	7.49	4.84	6.48	6.59	5.12	5.18	7.92	6.74	1.74	3.04	3.01	61.32
1904.	4.27	4.58	1.21	1.47	2.74	1.39	1.10	11.86	0.57	0.04	3.18	3.77	36.18
1905.	2.65	10.30	3.69	4.95	7.26	3.06	3.21	6.43	5.03	3.41	2.28	7.32	59.59
1906.	5.64	3.32	4.95	0.49	3.68	5.43	10.55	5.55	4.33	4.99	1.52	3.50	53.95
1907.	1.93	2.38	1.81	10.15	3.74	4.14	8.20	9.01	4.59	4.13	5.82	8.48	64.38
1908.	3.70	7.36	6.27	10.80	1.40	1.99	6.28	7.15	0.88	2.67	1.07	2.77	52.34
M'ns	3.56	5.18	4.37	4.75	3.96	3.97	6.15	7.45	3.28	2.98	2.80	4.67	53.12

MARSHALLVILLE, GA., Macon County. Elevation 500 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1883.	......	......	......	......	......	3.40	3.50	2.80	......	......	......	......	......
1892.	......	......	8.18	0.36	2.30	3.43	5.79	7.22	4.14	0.21	3.07	2.65	......
1893.	4.58	3.82	5.08	2.53	2.98	5.89	8.19	4.90	1.97	1.08	1.29	3.35	41.66
1894.	3.07	10.41	3.75	2.57	1.90	1.17	4.99	8.23	2.92	4.58	1.21	4.06	48.86
1895.	8.55	2.55	10.33	5.70	4.17	3.40	6.93	4.40	1.30	0.45	0.80	3.75	52.33
1896.	5.25	8.08	4.15	3.60	3.10	2.04	12.56	2.60	1.17	2.15	8.78	4.75	58.23
1897.	1.93	8.85	10.06	5.57	0.96	5.87	3.20	4.10	1.16	1.02	0.70	2.83	46.25
1898.	1.35	1.19	2.00	9.12	1.19	3.76	6.84	9.27	1.34	7.83	6.79	4.19	54.87
1899.	6.22	6.50	2.91	4.99	1.46	0.96	2.89	3.59	0.72	8.24	1.59	2.87	42.94
1900.	2.51	10.72	4.25	4.02	1.10	4.38	4.74	3.30	0.44	2.68	4.20	8.66	51.00
1901.	4.53	3.98	6.78	3.28	4.41	6.57	2.22	6.68	9.38	2.55	1.06	5.65	57.09
1902.	1.00	5.96	9.90	1.62	1.67	3.04	5.96	2.17	2.05	4.45	3.36	2.66	43.84
1903.	3.92	7.19	4.37	5.34	4.82	9.56	3.78	7.69	5.86	1.75	4.24	2.20	60.72
1904.	5.30	5.46	2.02	1.68	......	......	......	......	0.03	0.10	3.60	3.92	......
1905.	2.45	11.00	3.40	3.74	7.84	2.65	4.08	6.08	7.19	1.66	2.38	9.54	62.01
1906.	8.59	2.45	6.16	1.15	4.09	3.50	6.33	3.49	2.06	3.29	0.45	4.31	45.87
1907.	1.75	2.03	1.46	8.23	5.05	6.03	5.59	4.25	6.38	0.85	6.16	8.39	56.17
1908.	8.46	4.92	7.51	13.91	3.43	2.94	6.93	5.86	2.16	1.99	0.76	2.26	61.13
M'ns	4.34	5.94	5.43	4.56	3.15	4.03	5.56	5.10	2.96	2.40	2.97	4.47	50.91

MORGAN, GA., Calhoun County. Elevation 337 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	......	0.21	2.27	8.12	6.68	5.16	2.01	1.29	3.37	3.38	......
1893.	4.14	6.08	5.88	3.24	3.76	2.10	5.31	7.58	2.26	1.43	2.20	2.15	46.18
1894.	3.77	10.06	2.09	4.73	2.22	4.98	7.79	5.34	4.07	5.64	2.50	2.93	56.12
1895.	7.66	3.08	4.17	2.91	2.99	4.77	4.09	7.43	0.99	1.65	1.76	2.64	44.14
1896.	4.01	8.68	5.54	1.81	1.67	5.96	......	......	1 03	2.33	4.37	5.01	......
1897.	1.76	8.93	13.31	4.09	1.25	1.50	2.61	6.40	......	1.44	1.58	2.89	......
1898.	2.98	2.70	1.71	3.97	2.58	5.97	5.82	14.75	......	3.59	7.24	6.52	......
1899.	6.92	......	......	4.55	0.54	2.59	7.57	4.65	0.35	3.64	1.43	2.71	......
1900.	3.04	12.50	4.55	4.59	0.51	4.96	2.91	2.37	1.95	3.08	2.00	4.85	47.31
1901.	3.48	6.37	8.25	3.28	6.28	2.54	4.14	11.16	6.30	1.07	1.04	4.13	58.04
1902.	1.34	7.76	11.95	0.81	1.61	5.92	3.26	2.07	5.37	2.05	4.64	2.20	48.98
1903.	3.62	4.72	3.44	3.22	7.26	3.78	5.37	7.68	5.10	1.06	5.90	3.91	55.06
1904.	5.23	4.32	3.82	1.74	1.61	2.11	3.73	4.42	0.87	T.	3.80	3.92	35.57
1905.	5.49	8.14	4.78	3.13	7.20	4.38	4.78	4.11	5.66	2.64	1.56	9.05	60.96
1906.	8.61	3.47	4.38	0.59	9.27	8.66	9.88	4.63	2.96	5.19	1.38	3.88	62.90
1907.	2.02	2.95	2.62	10.52	3.11	3.55	5.65	5.02	10.87	1.46	5.28	7.63	60.68
1908.	5.43	6.80	8.48	6.38	2.77	2.55	5.36	9.75	1.15	1.38	1.12	1.30	52.47
M'ns	4.34	6.44	5.66	3.52	3.35	4.38	5.31	6.41	3.40	2.29	3.01	4.06	52.17

PUTNAM, GA., Marion County. Elevation —— feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899.	5.98	5.56	2.10	2.93	3.18	0.55	4.78	4.80	0.46	6.79	1.24	2.80	41.17
1900.	2.19	11.38	4.53	5.15	1.23	6.01	6.15	2.17	2.24	4.03	3.18	8.33	56.59
1901.	3.49	3.94	6.65	3.48	5.79	4.83	1.70	3.38	9.61	0.73	1.02	5.61	50.23
1902.	0.90	6.63	11.25	0.98	5.01	2.15	5.14	4.00	2.98	4.50	3.12	3.65	50.31
1903.	3.21	7.85	4.07	4.23	5.80	5.01	3.16	8.65	4.14	1.92	3.98	2.72	54.74
1904.	4.93	6.59	1.92	1.63	3.48	0.98	2.88	7.24	0.56	0.07	3.07	4.35	37.71
1905.	2.80	13.44	4.05	5.10	5.43	4.01	2.91	1.86	5.24	2.10	1.51	7.57	56.02
1906.	7.04	2.59	5.52	0.90	2.18	10.49	4.58	4.81	5.15	4.69	1.03	4.20	53.18
1907.	2.40	2.56	1.64	7.23	2.57	2.19	5.27	6.13	4.84	1.26	6.86	6.74	49.69
1908.	......	......	......	5.70	1.35	2.79	2.90	5.00	......	2.40	1.10	......	......
M'ns	3.66	6.73	4.64	3.73	3.60	3.90	3.95	4.80	3.91	2.85	2.61	5.01	49.39

WOODBURY, GA., Meriwether County. Elevation 641 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900.	......	......	......	......	......	......	......	0.89	2.97	4.00	5.16	6.97	......
1901.	6.06	2.88	7.19	4.96	6.77	5.38	0.88	9.15	4.18	0.26	0.20	6.90	54.81
1902.	1.53	16.48	7.30	2.33	3.37	2.93	1.76	4.13	2.82	3.11	2.85	3.19	51.80
1903.	1.54	10.63	6.25	3.90	5.51	......	3.65	7.56	5.14	1.51	0.62	0.90	......
1904.	2.85	5.30	2.49	1.19	1.30	2.46	2.28	7.70	0.73	0.48	2.56	3.94	33.28
1905.	2.29	4.45	1.62	2.30	3.11	1.63	3.01	7.27	2.70	3.29	1.58	7.75	41.00
1906.	5.72	1.62	5.00	0.95	1.82	4.63	11.74	4.66	4.96	5.12	2.31	3.09	51.62
1907.	1.97	3.30	1.86	6.42	4.81	4.68	5.16	3.23	3.15	0.69	6.62	7.04	48.93
1908.	3.46	6.78	4.51	8.77	2.48	3.83	4.47	4.22	1.54	3.83	1.59	5.52	51.00
M'ns	3.18	6.43	4.53	3.85	3.65	3.65	4.12	5.42	3.13	2.48	2.61	5.03	48.08

SOUTH CENTRAL GROUP.

ALLAPAHA, GA., Berrien County. Elevation 293 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	......	3.24	4.42	4.42	7.45	......	......	......	......	......
1883.	......	......	......	3.92	0.08	6.09	4.15	3.87	0.10	1.40	......	......	......
1884.	......	......	......	2.41	1.77	5.47	6.23	6.74	1.30	0.00	......	......	......
1885.	......	......	......	......	4.09	1.74	5.38	7.90	6.95	3.75	......	......	......
1886.	......	......	......	2.36	4.07	10.93	7.16	3.27	1.55	0.57	......	......	......
1887.	......	......	......	......	3.35	2.64	9.69	4.66	0.43	4.32	......	......	......
1888.	......	......	......	0.34	4.95	4.47	1.49	2.83	11.08	8.46	......	......	......
1889.	......	......	......	......	0.24	3.11	3.76	6.47	2.29	1.75	2.75	......	......
1890.	0.97	2.89	......	......	6.99	8.97	6.01	2.76	7.98	3.83	1.70	......	......
1891.	......	......	......	......	1.87	4.15	5.40	7.43	0.84	1.07	1.45	2.60	......
1892.	4.77	2.00	3.28	0.17	1.20	5.72	4.70	10.20	4.79	0.90	2.56	4.69	44.98
1893.	1.80	4.28	4.93	4.49	6.34	9.26	7.11	6.80	4.91	1.56	1.79	7.49	60.76
1894.	1.18	8.33	4.25	3.41	1.60	2.18	6.59	11.08	7.41	6.32	0.99	2.10	55.44
1895.	10.77	4.21	5.05	5.85	7.18	3.36	4.81	5.60	3.27	0.58	......	......	......
1896.	......	......	......	......	0.85	3.10	7.34	4.52	2.48	......	......	......	......
1897.	......	......	......	......	1.15	3.99	3.17	5.72	3.56	1.96	1.81	3.33	......
1898.	0.98	0.99	2.35	......	0.69	3.18	13.21	8.73	1.47	8.01	......	......	......
1899.	......	......	......	......	2.28	2.59	3.78	4.19	0.83	4.53	......	......	......
1900.	......	......	......	......	2.00	7.57	6.78	2.34	2.99	2.69	1.25	4.10	......
1901.	5.22	4.54	5.78	3.02	4.14	7.71	4.10	9.80	4.69	0.23	0.62	3.24	53.09
1902.	0.48	6.80	11.64	1.38	1.36	8.09	5.38	4.08	4.19	2.46	2.78	5.52	54.16
1903.	......	......	......	3.64	5.97	7.59	5.06	7.96	7.99	1.97	1.85	1.82	......
1904.	4.46	2.84	......	......	2.12	3.23	6.39	8.28	2.34	0.13	3.59	3.17	......
1905.	3.40	5.80	4.13	2.56	5.21	3.03	5.00	1.90	4.35	1.53	1.14	8.81	46.86
1906.	4.28	4.14	3.33	0.82	7.26	3.91	4.78	6.85	1.30	1.41	0.53	1.60	40.21
1907.	......	......	......	......	3.41	5.61	4.30	7.38	6.63	1.45	3.77	......	......
1908.	3.88	4.47	3.65	6.73	1.93	3.08	8.99	2.86	7.04	1.96	0.57	1.20	46.36
M'ns	3.52	4.27	4.84	2.94	3.16	5.01	5.75	5.99	3.95	2.51	1.82	3.81	47.57

FITZGERALD, GA., Ben Hill County. Elevation 515 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1898.	......	......	2.13	2.68	1.03	......	......	9.58	4.27	8.36	6.22	4.78	......
1899.	6.95	5.20	2.75	3.02	2.40	2.34	3.08	4.22	0.62	3.98	0.93	2.18	37.67
1900.	3.59	5.87	7.21	4.23	3.70	3.39	6.54	1.07	1.69	2.95	3.52	4.32	48.08
1901.	3.33	6.04	7.39	4.93	7.04	4.64	5.36	5.93	4.85	1.10	0.47	3.57	54.65
1902.	0.72	5.17	8.42	1.27	2.15	3.78	9.38	1.41	5.96	4.79	3.33	3.90	50.28
1903.	3.23	5.15	5.18	3.36	4.84	8.59	4.92	12.81	4.20	2.64	3.77	1.90	60.59
1904.	5.60	2.69	1.05	......	0.64	4.28	8.02	5.40	3.44	0.10	3.95	2.26	......
1905.	2.81	......	......	......	6.02	2.87	3.52	2.18	3.39	2.85	1.66	7.66	......
1906.	3.69	3.75	5.03	0.82	7.95	6.70	6.79	4.40	3.59	......	0.57	2.18	......
1907.	1.15	3.37	1.13	6.48	3.48	6.10	8.51	8.64	......	0.43	1.95	6.15	......
1908.	5.38	3.53	5.70	7.87	2.97	2.08	4.56	2.13	7.77	......	0.70	1.20	......
M'ns	3.64	4.53	4.60	3.85	3.84	4.48	6.07	5.25	3.98	3.02	2.46	3.65	49.37

POULAN, GA., Worth County. Elevation 365 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890.	......	......	......	......	......	......	......	......	13.16	3.46	0.44	1.05	......
1891.	2.07	3.26	4.89	2.21	1.09	7.04	5.37	5.73	1.13	0.60	2.76	3.05	39.20
1892.	4.88	3.10	3.11	0.12	1.20	8.39	5.39	12.33	2.29	0.87	3.29	2.36	47.33
1893.	3.69	4.23	4.86	4.70	4.26	6.40	5.28	3.88	3.62	1.61	1.99	7.37	51.89
1894.	2.28	9.07	3.92	3.00	4.33	2.38	9.05	10.55	2.93	4.82	0.98	1.44	54.75
1895.	9.83	3.19	5.67	2.80	2.51	4.38	4.84	6.91	1.06	2.33	1.05	2.22	46.79
1896.	2.97	9.77	4.85	0.68	2.99	2.64	7.62	5.80	4.28	2.05	5.82	4.92	54.39
1897.	0.56	9.12	9.45	2.68	1.36	2.82	2.91	8.87	2.43	1.45	1.20	2.11	44.96
1898.	1.31	1.73	2.08	3.15	0.29	2.39	8.36	13.82	2.59	5.26	6.43	4.15	51.56
1899.	6.68	5.42	2.57	3.91	1.75	3.73	5.10	5.33	0.83	4.29	0.68	2.53	42.82
1900.	3.70	9.59	6.78	4.41	1.96	4.19	9.04	2.12	1.38	2.07	4.49	4.42	54.15
1901.	3.94	6.57	6.70	4.19	8.89	3.24	4.89	14.73	3.45	1.57	0.47	4.23	62.87
1902.	0.92	7.19	9.17	1.11	1.77	4.57	5.65	3.19	2.64	3.68	3.65	4.11	47.65
1903.	3.20	......	3.44	4.27	4.89	7.98	7.11	7.37	6.02	2.01	3.94	1.93	......
1904.	5.75	3.17	2.41	1.86	2.59	3.02	3.34	10.30	0.97	T.	2.94	2.87	39.21
1905.	5.06	4.45	3.45	5.01	3.80	7.02	3.77	6.43	3.51	3.08	1.02	9.22	55.82
1906.	2.45	4.02	4.08	1.30	7.80	4.30	11.21	7.22	3.65	2.30	0.65	2.06	51.04
1907.	......	......	......	......	......	3.51	8.24	8.05	9.12	1.14	2.65	6.45	......
1908.	6.06	3.59	8.07	6.56	3.87	1.49	10.86	5.37	2.32	1.45	0.71	1.55	51.90
M'ns	3.84	5.47	5.03	3.06	3.26	4.42	6.56	7.67	3.55	2.32	2.38	3.58	51.14

PISCOLA, GA., Brooks County. Elevation 190 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871.	1.65	7.50	10.50	2.80	4.15	11.72	1.10	7.80	5.60	3.40	5.40	3.10	64.72
1872.	5.30	4.50	13.50	3.40	1.15	6.90	6.30	10.70	7.00	3.00	3.30	2.10	67.15
1873.	5.10	1.25	4.40	3.00	4.80	9.50	8.20	8.30	3.80	1.75	6.40	1.50	58.00
1874.	1.00	6.70	1.60	6.60	3.30	3.60	7.30	2.20	4.10	0.00	1.90	1.70	40.00
1875.	9.10	4.70	10.90	5.20	4.45	7.65	4.40	5.00	4.40	2.65	5.40	2.00	65.85
1876.	2.00	1.70	9.50	4.70	2.00	6.30	2.50	3.30	4.00	16.35	0.90	6.70	59.95
1877.	1.10	1.70	5.80	7.70	2.10	6.90	5.60	2.20	5.60	13.30	3.20	7.50	62.70
1878.	3.10	2.80	3.50	6.75	3.70	6.85	12.40	12.30	7.00	2.60	3.65	6.10	70.75
1879.	1.10	2.25	2.00	8.40	1.90	2.50	0.00	4.20	4.40	8.50	2.30	2.30	39.45
1880.	5.40	3.10	4.50	2.55	7.10	4.90	3.40	11.60	6.50	6.50	8.90	1.90	65.95

PISCOLA, GA., Brooks County. Elevation 190 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1881.	10.30	4.00	5.00	5.90	0.80	7.20	1.40	4.70	5.00	0.10	4.10	3.80	52.30
1882.	2.00	2.20	1.30	4.00	1.60	8.30	8.90	3.90	6.60	5.70	2.90	6.65	54.05
1883.	11.50	1.30	5.20	9.30	2.00	8.40	5.30	5.70	0.30	0.30	0.30	0.70	50.30
1884.	6.00	6.70	5.05	......	......	......	......	......	......	0.40	2.00	6.00	......
1885.	6.90	5.80	3.70	1.90	2.20	8.00	3.80	7.50	2.00	......	1.20	2.90	......
1886.	3.55	2.10	9.10	2.50	0.60	7.20	5.00	1.50	2.50	1.90	1.90	2.15	40.00
1887.	3.50	2.95	1.10	7.20	2.20	4.30	8.20	2.50	1.35	2.95	1.95	9.55	47.75
1888.	1.50	7.75	4.75	0.55	5.55	5.00	5.20	3.40	6.50	5.20	4.85	4.30	54.35
1889.	10.40	5.40	3.75	2.70	1.05	13.90	7.30	4.10	7.60	1.00	2.57	0.00	58.77
1890.	0.42	3.80	1.85	0.50	8.80	3.70	12.40	5.10	6.30	3.30	1.40	2.15	49.72
1891.	2.40	2.00	5.65	1.85	0.60	5.00	6.30	5.40	2.40	1.65	2.55	2.85	38.65
1892.	4.90	4.02	0.95	0.70	0.75	5.25	11.40	9.10	4.92	0.85	1.37	4.07	48.28
1893.	2.71	3.08	6.15	6.10	3.42	3.91	1.80	2.50	1.00	0.30	1.87	5.85	38.69
1894.	1.10	8.50	4.85	3.90	0.53	4.20	6.00	6.70	2.15	6.70	1.45	0.90	47.98
1895.	11.75	4.05	7.15	5.30	0.51	......	......	......	......	0.67	......	......	......
1896.	4.20	4.95	6.90	2.70	0.61	8.00	10.70	7.10	5.40	2.50	5.35	6.50	64.91
1897.	1.50	10.40	5.45	6.50	0.95	3.75	4.75	4.75	4.50	0.90	1.15	4.05	48.65
1898.	1.05	2.05	2.60	2.45	0.25	1.50	4.15	5.25	T.	3.65	3.05	5.80	31.80
1899.	3.20	4.35	2.45	......	0.75	......	4.19	4.25	3.50	......	......	......	......
1900.	2.35	7.42	......	5.20	......	......	......	......	......	......	......	2.90	......
1901.	2.83	6.60	6.00	2.62	......	......	......	......	......	......	......	......	......
M'ns	4.16	4.38	3.84	4.24	2.42	6.32	5.85	5.59	4.24	3.56	3.05	3.75	51.40

QUITMAN, GA., Brooks County. Elevation 173 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	6.00	3.15	0.75	0.36	0.67	7.44	8.47	9.75	3.61	0.39	1.04	2.79	44.42
1893.	2.10	2.32	5.37	5.20	3.89	7.76	4.15	6.16	4.35	1.80	1.62	......	......
1894.	......	......	4.60	......	1.36	2.03	12.69	7.71	2.76	5.26	4.10	0.95	......
1895.	11.64	3.45	......	5.62	2.35	5.71	5.73	5.02	2.60	0.12	1.96	......	......
1896.	3.93	5.11	2.58	0.91	2.55	7.81	12.04	6.04	2.73	1.07	4.54	6.68	55.99
1897.	1.60	10.73	4.12	5.16	2.07	5.79	6.66	4.71	2.39	1.24	1.23	3.80	49.50
1898.	1.14	1.82	2.25	3.03	1.18	3.46	9.37	9.04	3.55	6.06	3.35	4.72	48.97
1899.	5.29	5.04	4.00	1.10	1.19	1.99	7.21	6.73	0.79	2.06	0.49	2.22	38.11
1900.	2.19	5.62	6.05	6.05	3.16	9.28	14.98	2.70	4.71	3.25	1.41	3.66	63.06
1901.	4.78	6.99	6.95	3.58	3.31	6.53	7.82	8.73	5.54	0.16	1.25	2.39	58.03
1902.	1.09	5.37	9.12	1.90	2.00	9.50	4.62	5.58	7.97	4.08	4.42	11.34	66.99
1903.	3.40	4.08	6.46	3.15	7.89	7.82	6.19	7.98	9.03	2.90	1.64	3.20	63.74
1904.	5.42	3.09	1.73	1.33	2.16	5.21	6.31	8.49	3.36	0.40	2.55	3.63	43.68
1905.	3.35	6.88	3.89	1.68	5.06	3.04	4.14	5.93	8.41	1.98	1.23	11.60	57.19
1906.	4.81	3.48	3.58	0.30	8.26	3.71	7.42	6.54	1.92	3.34	0.52	1.93	45.81
1907.	0.90	1.35	1.20	8.41	5.04	6.69	5.55	5.95	11.88	0.31	2.35	10.26	59.89
1908.	2.88	4.49	2.19	3.67	4.48	4.71	6.16	3.90	5.56	1.09	0.66	1.77	41.56
M'ns	3.78	4.56	4.05	3.22	3.32	5.79	7.62	6.53	4.77	2.09	2.02	4.73	52.48

THOMASVILLE, GA., Thomas County. Elevation 273 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	7.32	2.03	4.61	6.14	6.89	4.50	5.32	3.46	7.86	......
1879.	1.35	2.65	2.13	6.90	1.11	3.45	6.82	8.18	5.68	13.78	2.07	2.96	57.08
1880.	4.47	3.14	2.90	1.39	10.81	3.84	4.55	12.73	2.67	4.25	......	3.78	......
1881.	5.98	3.19	4.91	2.40	......	4.77	2.29	3.80	2.98	......	3.68	3.40	......
1882.	2.16	3.73	2.24	2.98	4.49	3.68	8.81	9.04	6.37	5.41	......	......	......
1883.	......	......	......	10.63	3.85	4.06	3.14	7.37	4.59	0.60	......	......	......
1884.	......	......	......	4.38	2.01	10.15	5.14	2.05	1.05	0.22	......	......	......
1885.	......	......	......	......	3.08	6.15	4.60	8.19	6.69	2.60	......	......	......
1886.	......	......	......	2.31	2.65	7.76	12.71	6.05	3.64	1.55	......	......	......
1887.	......	......	......	......	2.68	3.58	9.27	4.23	1.89	4.66	......	......	......
1888.	......	......	......	0.75	13.29	3.24	3.73	5.96	9.27	8.08	......	......	......
1889.	†9.00	†4.20	2.86	2.78	1.66	3.83	7.64	4.65	1.82	0.96	4.38	T.	......
1890.	0.60	2.94	5.54	0.07	5.66	4.52	11.03	2.76	4.90	5.19	1.16	......	......
1891.	......	......	......	......	1.72	4.93	4.90	4.04	2.47	1.09	2.78	3.82	......
1892.	6.46	2.69	1.69	1.03	2.73	4.47	7.37	13.89	3.46	1.54	2.40	3.63	51.36
1893.	3.84	4.81	5.41	5.78	7.68	8.84	4.77	5.49	6.43	1.97	3.06	7.02	65.10
1894.	1.02	10.07	7.12	3.72	2.50	2.70	12.43	6.22	4.44	5.14	0.92	1.81	58.09
1895.	10.17	3.86	5.07	4.32	2.22	5.21	5.16	5.34	5.33	0.07	2.68	2.37	51.80
1896.	4.05	4.44	5.35	1.92	3.48	4.96	6.70	4.69	7.62	1.61	7.81	7.67	60.30
1897.	1.16	14.17	5.47	4.98	2.57	2.87	4.18	6.18	2.99	0.68	1.65	3.26	49.16
1898.	1.73	[illegible]	2.85	4.22	2.18	3.57	10.38	9.78	3.99	7.89	4.80	5.05	58.05
1899.	3.49	4.12	3.38	3.39	1.27	6.61	7.74	4.28	0.71	3.31	0.46	2.05	40.81
1900.	3.62	6.51	5.94	3.76	3.49	11.84	7.98	3.46	2.10	2.80	1.28	3.73	56.51
1901.	4.90	4.59	6.27	2.83	2.17	7.48	10.16	11.59	5.55	0.19	0.84	2.43	59.00
1902.	0.79	6.18	10.16	1.56	1.20	7.97	4.52	2.29	9.52	4.15	2.87	6.45	57.66
1903.	3.71	6.43	5.60	2.37	5.79	5.05	5.87	5.73	12.73	2.97	2.86	3.17	62.28
1904.	4.65	3.11	1.66	1.81	1.39	2.49	4.66	7.95	1.34	0.14	3.00	3.64	35.84
1905.	3.74	6.11	4.21	0.82	6.36	6.33	3.85	8.16	5.51	1.94	1.58	8.83	57.44
1906.	3.87	2.86	4.53	0.18	6.08	3.30	8.69	7.51	10.91	4.06	0.59	2.06	54.64
1907.	0.80	1.49	1.28	6.66	6.10	4.55	8.87	4.62	8.65	0.15	3.52	9.32	56.02
1908.	4.73	4.66	2.08	4.62	3.91	3.00	7.40	3.03	4.24	1.81	0.38	1.04	40.90
M'ns	3.75	4.68	4.29	3.42	3.87	5.09	6.82	6.30	4.97	3.14	2.53	4.15	53.01

APALACHICOLA VALLEY GROUP.

APALACHICOLA, FLA., Franklin County. Elevation 24 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903.	......	......	......	......	......	......	......	......	......	9.07	4.34	2.13	......
1904.	5.02	1.84	1.31	2.51	2.10	3.84	1.62	3.65	1.87	0.00	3.06	3.87	30.69
1905.	3.27	3.37	4.28	1.65	6.70	0.60	11.23	10.43	6.56	1.65	0.76	9.18	59.68
1906.	5.18	2.15	3.92	0.00	3.44	2.55	8.65	10.36	17.95	3.07	1.06	3.15	61.48
1907.	1.86	1.30	0.55	6.92	8.62	7.20	10.50	12.20	12.87	0.39	3.48	11.91	77.80
1908.	5.11	2.91	0.26	......	3.65	2.25	1.64	9.83	11.06	2.59	2.81	1.62	......
M'ns	3.59	2.43	2.47	2.57	4.90	3.63	8.05	9.29	10.06	2.80	2.59	5.31	57.69

† Estimated.

CARRABELLE, FLA., Franklin County. Elevation 10 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895.	......	......	......	0.40	1.90	9.00	4.28	T.	3.81	4.40	2.20	......	......
1897.	......	......	......	......	......	3.60	7.10	5.90	10.60	1.10	T.	6.50	......
1898.	1.90	4.30	1.10	1.20	1.10	T.	3.10	19.90	4.70	T.	......	......	......
1899.	1.00	......	......	0.45	1.00	1.80	6.00	......	1.80	2.50	......	......	......
1900.	3.73	......	4.24	5.27	0.90	8.88	6.30	5.00	0.80	9.89	0.32	8.27	......
1901.	2.92	9.16	11.23	5.51	1.05	10.12	8.18	8.49	3.96	0.75	1.13	2.11	64.61
1902.	0.78	4.65	6.34	0.85	2.10	7.06	7.08	3.79	17.26	3.77	7.82	6.95	68.45
1903.	5.61	6.07	1.16	0.00	4.65	8.27	5.18	8.17	11.27	4.00	0.70	2.02	......
1904.	3.32	2.84	0.80	1.90	1.99	3.13	4.36	9.39	......	......	2.80	......	......
1905.	3.03	5.26	5.04	1.12	4.50	1.98	4.24	11.13	3.58	3.64	1.20	9.56	54.28
1906.	5.71	2.15*	4.86*	0.00*	3.44*	2.55*	8.65*	10.36*	17.95*	3.07*	1.06*	3.15*	62.95
1907.	1.86*	0.30	0.75	5.95	5.30	3.40	5.70	6.70	13.25	1.50	2.66	9.45	56.82
1908.	5.11*	2.91*	0.26*	2.60	2.84	4.74	7.08	7.71	6.18	0.60	2.81*	2.50	45.34
M'ns	3.18	4.18	3.58	2.10	2.56	4.96	5.94	8.04	7.93	2.94	2.06	5.61	53.10

MARIANNA, FLA., Jackson County. Elevation 80 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900.	......	......	......	......	1.29	6.52	8.31	1.11	2.79	8.09	0.90	4.21	......
1901.	......	3.57	5.51	2.93	6.61	2.84	4.47	8.43	4.67	1.30	1.28	2.93	......
1902.	0.70	6.15	12.38	1.27	4.99	3.63	5.14	2.68	12.80	2.50	3.79	1.72	57.75
1903.	3.93	5.34	4.63	1.24	7.82	5.96	4.69	4.56	5.44	0.85	7.26	......	......
1904.	......	......	2.91	2.26	1.84	3.67	6.64	10.18	2.18	T.	3.31	3.51	......
1905.	5.11	9.06	5.62	......	4.95	4.95	4.45	7.94	4.45	4.50	1.20	11.20	......
1906.	6.90	4.65	......	0.55	6.60	6.45	7.42	6.63	12.23	3.85	1.90	......	......
1907.	......	3.30	1.90	4.68	3.17	2.18	7.95	4.41	11.94	1.07	......	......	......
1908.	......	......	......	......	3.25	5.32	4.42	3.45	3.27	0.16	0.00	0.43	......
M'ns	4.16	5.34	5.49	2.16	4.50	4.61	5.94	5.49	6.64	2.48	2.46	4.00	53.27

* Values from Apalachicola.

Average Number of Days with 0.01 inch or More of Precipitation.

Station.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Mobile Valley Group.	Yrs													
Adairsville, Ga	16	10	9	11	8	8	9	11	10	6	5	7	9	103
Greenbush, Ga	10	9	8	10	9	8	9	11	9	5	5	7	9	99
Ramsey, Ga	15	10	9	12	10	8	10	13	12	7	5	8	10	114
Rome, Ga	16	10	10	10	8	8	9	10	10	6	5	7	10	103
Tallapoosa, Ga	11	9	9	9	7	6	8	10	10	6	5	6	9	94
Chattahoochee Valley Group.														
Alaga, Ala	4	6	8	6	7	8	10	13	11	8	4	6	10	97
Atlanta, Ga	30	12	11	12	10	9	11	12	13	8	7	9	11	125
Blakely, Ga	17	7	8	7	5	6	9	12	12	7	4	5	7	89
Carrollton, Ga	4	9	8	7	7	8	7	8	7	6	6	3	5	81
Columbus, Ga	15	6	6	5	6	6	7	11	10	5	4	4	6	76
Dahlonega, Ga	17	11	10	12	9	9	11	13	13	7	6	8	10	119
Eufaula, Ala	25	9	9	8	7	8	9	12	12	7	6	6	9	102
Fort Gaines, Ga	16	7	8	8	5	8	10	15	12	7	5	5	8	98
Gainesville, Ga	16	8	8	9	7	8	9	10	10	5	4	5	7	90
Griffin, Ga	14	7	9	8	6	7	8	10	10	5	4	5	8	87
Lost Mountain, Ga	9	8	9	9	9	8	9	11	9	7	5	7	9	100
Lumpkin, Ga	15	6	7	6	5	5	7	9	9	4	4	4	6	72
Newnan, Ga	15	9	10	9	9	8	10	12	12	5	4	7	9	104
Opelika, Ala	30	8	7	7	7	6	7	9	8	5	4	5	8	81
Talbotton, Ga	16	9	10	10	7	7	9	12	12	6	5	6	9	102
West Point, Ga	13	9	9	8	7	7	8	11	10	5	5	6	10	95
Flint Valley Group.														
Albany, Ga	17	8	8	6	5	6	8	14	12	7	5	5	3	92
Americus, Ga	15	7	8	7	6	7	9	13	12	6	5	6	7	93
Bainbridge, Ga	12	5	8	7	5	8	9	15	14	8	4	4	8	95
Marshallville, Ga	16	7	7	6	5	6	8	11	10	5	4	4	5	78
Morgan, Ga	16	7	8	7	6	6	8	10	9	6	4	5	7	83
South Central Group.														
Allapaha, Ga	13	9	7	8	5	7	11	14	14	8	4	5	7	99
Quitman, Ga	17	6	7	6	5	6	10	12	12	7	4	4	6	85
Thomasville, Ga	17	9	9	8	6	7	11	16	14	10	5	6	9	110
Apalachicola Valley Group.														
Apalachicola, Fla	5	5	4	4	5	4	6	8	13	10	2	3	6	70
Carrabelle, Fla	10	4	4	4	3	4	5	9	9	6	2	3	6	59
Marianna, Fla	8	5	6	6	4	6	8	11	10	8	4	3	5	76

Mean Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Mobile Valley Group.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Adairsville	17	40.6	41.2	53.1	59.5	69.6	76.0	78.6	77.9	72.6	61.0	50.3	42.2	60.2
Diamond	17	39.1	40.6	49.7	56.9	65.5	71.7	74.5	73.2	68.6	57.0	48.5	41.6	57.2
Rome	50	42.6	46.0	53.5	61.4	69.5	76.2	79.8	78.8	73.1	61.8	51.2	44.4	61.5
Chattahoochee Valley Group.														
Atlanta	44	42.2	45.2	52.4	61.1	69.5	75.6	77.6	76.1	72.1	62.4	51.9	44.6	60.9
Blakely	17	49.4	51.7	61.4	67.0	74.2	80.6	81.7	80.9	77.1	67.3	57.6	50.9	66.6
Carrollton	12	42.0	45.5	53.5	61.3	69.3	76.5	78.3	76.7	72.6	61.9	51.8	44.6	61.2
Columbus	21	46.1	48.2	59.8	64.9	72.7	79.3	81.2	80.2	77.0	66.1	55.5	48.5	65.0
Dahlonega	17	40.3	40.9	51.3	58.0	66.5	72.6	75.2	74.6	69.8	59.4	49.8	42.1	58.4
Eufaula, Ala	25	46.3	49.0	59.0	64.5	73.1	78.9	80.6	80.0	75.9	64.9	55.7	48.3	64.7
Fort Gaines	22	47.4	48.7	59.9	65.5	74.6	79.9	81.5	80.6	76.3	65.3	56.1	50.0	65.5
Gainesville	30	39.9	42.0	51.7	59.3	68.1	74.9	80.9	78.3	71.0	60.0	49.8	42.4	59.9
Griffin	14	44.5	42.6	57.5	62.0	71.4	77.8	80.0	78.8	73.9	62.7	52.1	44.9	62.3
Lumpkin	15	48.1	49.3	59.8	64.9	73.5	79.3	80.6	80.2	76.8	66.0	57.5	49.1	65.4
Newnan	20	42.0	42.0	55.2	61.2	70.8	77.5	79.9	78.4	73.5	62.0	52.0	42.9	61.4
Opelika, Ala	30	45.5	47.2	57.2	63.6	71.9	78.6	80.4	79.2	74.6	64.0	54.5	46.9	63.6
Talbotton	16	46.1	46.4	57.4	62.3	72.1	77.9	79.5	79.8	75.5	63.6	54.5	47.1	63 5
West Point	19	44.3	45.6	57.0	63.4	72.7	79.5	81.7	80.2	75.3	63.8	54.0	46.1	63.6
Flint Valley Group.														
Albany	22	48.5	50.2	61.0	66.8	74.9	81.5	82.9	81.9	77.7	67.4	57.7	51.6	66.8
Americus	25	47.9	50.2	59.2	65.5	74.8	80.7	82.5	81.1	76.6	66.1	56.6	49.8	65.9
Bainbridge	18	49.8	51.1	63.5	68.3	74.8	80.6	81.8	81.1	77.3	66.9	58.2	50.8	67.0
Marshallville	17	47.3	48.4	59.2	64.8	74.2	80.0	81.6	80.3	76.9	65.5	56.6	48.6	65.3
Morgan	16	48.[illegible]	49.2	59.4	64.2	73.0	78.5	80.3	80.1	76.6	65.8	56.1	49.3	65.1
South Central Group.														
Allapaha	20	49.3	50.5	59.8	66.5	73.4	79.3	81.4	80.4	76.7	66.4	57.6	51.0	66.0
Quitman	23	50.8	53.7	58.4	67.3	74.5	80.0	81.6	80.9	77.6	67.6	59.1	52.5	67.0
Thomasville	27	51.9	53.9	61.7	67.0	74.4	79.6	81.4	80.8	77.6	68.5	59.2	53.0	67.4
Apalachicola Valley Group.														
Apalachicola, Fla	6	54.8	55.9	64.7	67.7	74.5	80.4	81.7	81.5	79.7	70.0	62.3	55.8	69.1
Carrabelle, Fla	12	53.5	54.9	63.3	66.9	75.2	80.0	81.7	81.2	78.1	70.8	62.4	54.1	68.5
Marianna, Fla	8	50.6	52.6	63.5	64.8	74 1	79.0	81.0	80.9	77.8	67.6	58.1	52.1	66.8

Highest Temperature.

Mobile Valley Group.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Adairsville	16	74	77	86	92	94	99	102	99	97	88	77	72	102
Greenbush	11	73	75	85	90	95	99	100	100	96	89	80	69	100
Ramsey	16	76	76	88	90	94	99	100	99	100	91	81	70	100
Rome	16	77	77	92	90	97	103	103	102	100	91	79	74	103
Tallapoosa	12	78	75	90	91	100	103	103	102	98	91	81	70	103
Chattahoochee Valley Group.														
Atlanta	30	73	78	87	89	94	98	100	98	97	91	82	73	100
Blakely	17	81	81	96	97	102	103	104	102	101	100	88	89	104
Carrollton	5	77	72	90	88	94	97	100	97	99	89	80	72	100
Columbus	17	79	70	92	95	99	103	102	103	100	97	86	80	103
Dahlonega	17	72	73	88	91	92	99	97	96	95	89	79	74	99
Eufaula, Ala	25	81	81	89	92	101	101	104	103	100	94	83	82	104
Fort Gaines	17	83	82	92	93	98	102	105	104	97	93	84	81	105
Gainesville	17	72	74	86	91	98	98	100	103	93	86	77	72	103
Griffin	17	77	78	91	90	101	103	104	103	97	93	80	73	104
Lost Mountain	9	75	75	89	90	96	99	100	102	96	88	81	74	102
Lumpkin	16	78	80	91	95	100	101	106	103	104	101	84	80	106
Newnan	17	76	76	92	94	98	103	102	102	99	91	80	74	103
Opelika, Ala	30	74	78	90	92	98	103	101	104	98	95	81	78	104
Talbotton	16	78	79	91	94	98	103	105	103	101	90	82	77	105
West Point	15	79	82	89	94	99	102	103	104	102	99	82	78	104
Flint Valley Group.														
Albany	17	80	81	93	98	103	104	106	102	100	97	84	84	106
Americus	15	79	82	90	96	100	102	104	102	101	92	84	78	104
Bainbridge	17	81	81	93	92	101	103	104	101	101	93	88	83	104
Marshallville	17	80	79	92	94	96	100	103	102	100	90	82	77	103
Morgan	16	80	83	87	92	98	102	104	100	100	94	86	80	104
South Central Group.														
Allapaha	17	81	80	89	95	99	102	104	102	101	92	87	84	104
Poulan	15	83	83	89	95	100	104	102	105	101	94	88	83	105
Quitman	17	87	83	92	94	103	104	105	108	96	96	92	34	108
Thomasville	20	82	81	92	95	101	102	106	101	99	97	88	82	106
Apalachicola Valley Group.														
Apalachicola, Fla	6	76	77	88	88	91	95	100	93	96	96	81	77	100
Carrabelle, Fla	12	75	85	90	94	97	99	99	97	96	98	84	77	99
Marianna, Fla	8	81	84	94	97	101	100	100	103	102	99	90	82	103

Lowest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Mobile Valley Group.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Adairsville	16	-1	-8	6	28	37	41	56	55	40	26	19	5	-8
Greenbush	11	3	-10	4	25	34	48	53	55	36	28	12	3	-10
Ramsey	16	0	-10	10	25	34	40	52	55	36	27	16	2	-10
Rome	16	2	-7	8	27	34	44	56	56	40	28	18	7	-7
Tallapoosa	11	-6	-12	4	28	35	46	56	53	36	28	16	8	-12
Chattahoochee Valley Group.														
Atlanta	30	-2	-8	8	25	38	39	58	55	43	30	16	1	-8
Blakely	17	14	-1	25	33	39	54	61	60	46	33	24	12	-1
Carrollton	5	7	2*	23	28	36	52	60	55	49	29	25	15	2
Columbus	17	9	-3	24	31	42	53	60	62	49	34	23	11	-3
Dahlonega	17	0	-11	0	23	30	39	50	52	34	28	13	1	-11
Eufaula, Ala	25	12	-4	20	30	41	52	56	61	39	30	23	10	-4
Fort Gaines	17	14	10*	25	34	42	54	60	60	47	32	20	12	10
Gainesville	17	3	-6	11	27	38	39	53	56	38	28	17	8	-6
Griffin	17	8	4*	22	24	37	45	55	55	39	29	18	5	4
Lost Mountain	9	5	0*	16	28	34	45	59	55	42	32	16	6	0
Lumpkin	15	10	-5	21	36	36	51	62	58	42	31	20	10	-5
Newnan	17	6	-9	19	29	35	46	54	57	38	29	17	8	-9
Opelika, Ala	30	10	-7	16	30	37	49	58	58	42	31	20	9	-7
Talbotton	16	20	-6	17	28	37	49	55	57	42	34	20	7	-6
West Point	15	11	5*	19	31	41	49	58	58	43	27	19	7	5
Flint Valley Group.														
Albany	17	13	-2	27	34	40	52	61	61	46	30	23	12	-2
Americus	15	11	-6	18	31	42	52	61	60	43	30	22	8	-6
Bainbridge	12	15	17*	26	31	41	53	60	59	45	31	24	18	15
Marshallville	17	13	-3	20	30	39	52	59	58	45	30	22	9	-3
Morgan	16	13	10*	20	31	41	51	60	58	41	26	20	10	10
South Central Group.														
Allapaha	15	15	12*	19	32	42	53	59	56	48	33	20	11	11
Poulan	17	10	-1	19	27	41	49	56	59	40	30	18	11	-1
Quitman	17	14	2	21	32	41	54	60	59	44	34	28	12	2
Thomasville	20	15	2	22	34	41	48	62	61	46	35	22	13	2
Apalachicola Valley Group.														
Apalachicola, Fla	6	20	22*	36	42	49	62	70	64	58	42	31	26	20
Carrabelle, Fla	12	18	7	27	38	40	58	61	66	52	38	30	17	7
Marianna, Fla	8	15	15*	22	33	43	55	59	63	50	30	23	15	15

* Temperatures for cold wave of February 13, 1899, not included in record.

Frost Data.

Stations.	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Mobile Valley Group.	Yrs				
Adairsville	17	Oct. 27	Apr. 5	Oct. 11	Apr. 24
Greenbush	10	Oct. 30	Apr. 2	Oct. 3	Apr. 17
Ramsey	14	Oct. 18	Apr. 14	Oct. 1	May 10
Rome	17	Nov. 1	Mar. 31	Oct. 11	Apr. 15
Tallapoosa	10	Oct. 30	Apr. 7	Oct. 1	Apr. 24
Chattahoochee Valley Group.					
Atlanta	18	Nov. 3	Mar. 23	Oct. 11	Apr. 24
Blakely	15	Nov. 14	Mar. 15	Oct. 22	Apr. 23
Carrollton	4	Oct. 29	Apr. 4	Oct. 9	Apr. 17
Columbus	12	Nov. 17	Mar. 6	Oct. 25	Mar. 29
Dahlonega	18	Oct. 31	Apr. 7	Oct. 11	May 10
Eufaula, Ala	25	Nov. 9	Mar. 14	Oct. 25	Apr. 1
Fort Gaines	13	Nov. 9	Mar. 13	Oct. 20	Apr. 8
Gainesville	14	Nov. 3	Mar. 31	Oct. 11	Apr. 17
Griffin	9	Nov. 4	Mar. 20	Oct. 11	Apr. 17
Lost Mountain	9	Nov. 4	Apr. 3	Oct. 11	Apr. 18
Lumpkin	15	Nov. 11	Mar. 17	Oct. 23	Apr. 17
Newnan	13	Nov. 8	Mar. 25	Oct. 11	Apr. 17
Opelika, Ala	30	Nov. 9	Mar. 17	Oct. 25	Apr. 15
Talbotton	16	Nov. 9	Mar. 25	Oct. 11	Apr. 17
West Point	10	Nov. 2	Mar. 20	Oct. 16	Apr. 18
Flint Valley Group.					
Albany	10	Nov. 11	Mar. 6	Oct. 23	Apr. 15
Americus	14	Nov. 13	Mar. 8	Oct. 27	Apr. 1
Bainbridge	6	Nov. 11	Mar. 15	Oct. 29	Apr. 15
Marshallville	17	Nov. 6	Mar. 19	Oct. 11	Apr. 15
Morgan	16	Nov. 6	Mar. 16	Oct. 15	Apr. 15
South Central Group.					
Allapaha	10	Nov. 17	Mar. 2	Oct. 27	Mar. 27
Poulan	17	Nov. 9	Mar. 16	Oct. 23	Apr. 16
Quitman	14	Nov. 13	Mar. 11	Oct. 24	Apr. 8
Thomasville	12	Nov. 18	Mar. 6	Oct. 29	Apr. 15
Apalachicola Valley Group.					
Apalachicola, Fla	5	Dec. 6	Jan. 30	Nov. 13	Feb. 20
Marianna, Fla	8	Nov. 21	Mar. 1	Nov. 9	Mar. 16

Prevailing Wind Direction.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Atlanta	30	nw	nw	nw	nw	nw	nw	nw	nw	e	nw	nw	nw	nw
Augusta	18	w	w	w	se	se	se	s	se	ne	ne	nw	nw	se
Macon	9	nw	nw	nw	nw	s	s	s	s	ne	ne	nw	nw	nw
Savannah	38	nw	nw	sw	sw	s	sw	sw	sw	ne	ne	n	nw	sw
Thomasville	4	nw	nw	s	s	s	sw	sw	se	ne	ne	ne	nw	s

Average Hourly Wind Movement (in miles).

Atlanta	28	12	12	12	11	9	8	8	7	9	10	11	11	10
Augusta	18	6	7	7	7	6	5	5	5	5	6	5	6	6
Macon	9	6	7	7	7	6	5	5	4	5	6	5	6	6
Savannah	38	8	8	8	8	8	7	6	6	6	7	7	7	7
Thomasville	4	6	6	6		5	5	4	4	5	5	5	6	5

Mean Relative Humidity.

		Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct
Atlanta	22	76	72	71	66	67	71	76	78	74	69	72	75	72
Augusta	21	76	73	71	66	68	73	76	82	78	76	77	77	74
Macon *	9	84	83	83	76	79	80	82	85	85	83	85	84	83
Savannah	20	76	76	77	73	76	80	82	84	84	80	79	78	79
Thomasville	4	82	75	76	76	74	74	86	86	87	80	82	82	80

* Taken at 7 a. m. (local standard time) only.

HYDROGRAPHIC DATA FOR SECTION 85.—SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY, BY R. H. BOLSTER, ASSISTANT ENGINEER.

[PRELIMINARY NOTE.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.]

This section, which comprises the western portion of Georgia, is drained on the east by Ocmulgee River of the Altamaha drainage, on the south by Suwanee River, on the west and in the central portion by Apalachicola River, and on the north by tributaries of Alabama and Tennessee rivers.

The tributaries of Ocmulgee River rise in and flow through very hilly country and have large power possibilities. The main stream has a fall of 210 feet in 85 miles, the last fall of importance being a few miles above Macon. Steamboat navigation is carried on from Darien to Macon.

Apalachicola River is formed by the union of Chattahoochee and Flint rivers, which lie principally in Georgia. Flint River, which rises near Atlanta, Ga., has many good water powers on its course. Between Woodbury and Knoxville the river falls 884 feet in about 45 miles. Very little power has yet been developed on this river. Chattahoochee River, which rises in the Blue Ridge, has a drainage area of 4,900 square miles above Columbus, which is at the fall line. From its source down to Columbus Chattahoochee River is an excellent water-power stream. From the lower edge of Lumpkin County to Columbus there is a fall of over 850 feet, 866 feet being between West Point and Columbus. There are many small tributaries flowing from high, hilly country, with many small water powers. The headwaters of Alabama River in the northern portion of Georgia are susceptible of much development with reference to its water powers. They lie largely in a mountainous region and unite to form the Coosa River east of the Alabama State line.

Monthly Discharge of Ocmulgee River at Macon, Ga., for Period 1893–1908.

[Drainage area 2,420 square miles.]

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	40,400	800	3,200	1.32
February	46,200	820	5,740	2.37
March	50,900	840	5,130	2.12
April	41,500	940	4,000	1.65
May	14,000	600	2,060	.851
June	39,900	388	2,570	1.06
July	19,800	340	2,480	1.02
August	26,800	400	2,680	1.11
September	31,600	270	2,120	.876
October	31,700	250	1,810	.748
November	18,509	290	1,640	.678
December	30,300	570	2,860	1.18
For the period	50,900	250	3,020	1.25

Monthly Discharge of Flint River at Albany, Ga., for Period 1902–1908.

[Drainage area 5,000 square miles.]

January	23,800	3,710	9,470	1.89
February	39,000	3,900	14,200	2.84
March	34,000	3,420	11,100	2.22
April	28,600	3,330	9,130	1.83
May	42,600	2,330	7,770	1.55
June	18,400	1,980	5,010	1.00
July	11,300	2,070	5,000	1.00
August	17,100	1,980	6,250	1.25
September	23,500	1,560	4,770	.954
October	14,400	1,480	3,530	.706
November	11,500	1,380	3,670	.734
December	21,400	2,330	7,150	1.43
For the period	42,600	1,380	7,250	1.45

Monthly Discharge of Chattahoochee River at West Point, Ga., for Period August 1896–1908.

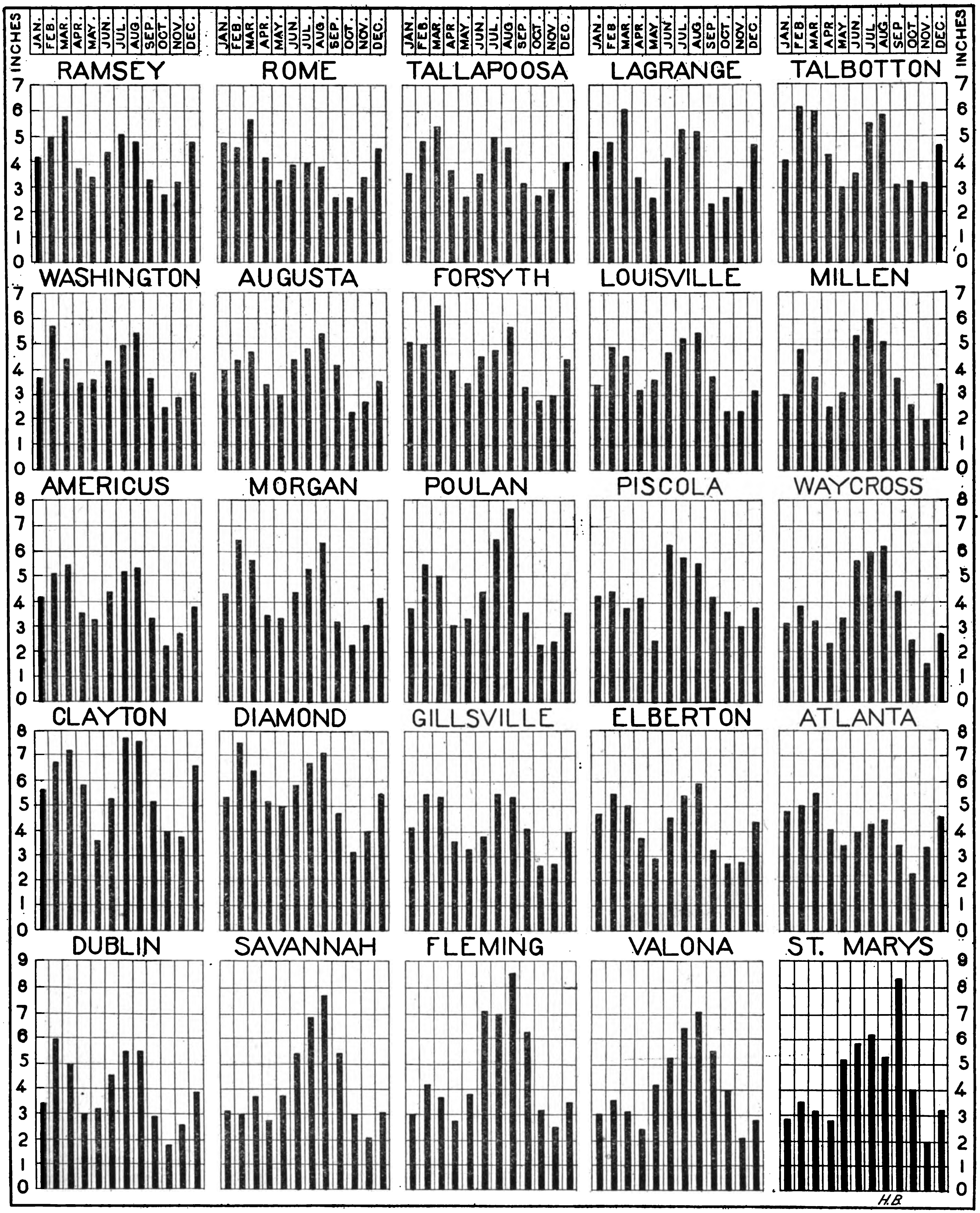
[Drainage area 3,300 square miles.]

January	61,000	1,720	6,100	1.85
February	66,100	1,840	10,100	3.06
March	65,600	1,970	10,100	3.06
April	40,500	1,840	7,810	2.37
May	52,800	1,540	5,010	1.52
June	55,500	1,000	4,750	1.44
July	31,600	900	4,410	1.34
August	52,300	1,000	4,980	1.51
September	57,400	780	3,660	1.11
October	40,300	845	2,990	.906
November	19,900	800	3,190	.967
December	88,600	1,490	5,720	1.73
For the period	88,600	780	5,740	1.74

Monthly Discharge of Etowah River near Rome, Ga., for Period September 1904–1908.

[Drainage area 1,800 square miles.]

January	35,300	930	4,250	2.36
February	23,000	1,140	4,640	2.58
March	59,400	1,620	6,110	3.41
April	17,900	1,380	3,220	1.79
May	15,200	1,380	2,980	1.66
June	16,500	1,260	2,500	1.39
July	19,300	1,090	2,540	1.41
August	6,060	930	2,060	1.14
September	6,870	460	1,430	.794
October	20,100	360	1,730	.961
November	26,400	425	1,970	1.09
December	37,000	610	3,660	2.03
For the period	59,400	360	3,090	1.72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LAGRANGE
TALBOTTON
WASHINGTON
AUGUSTA
FORSYTH
LOUISVILLE
MILLEN
AMERICUS
MORGAN
POULAN
PISCOLA
WAYCROSS
CLAYTON
DIAMOND
GILLSVILLE
ELBERTON
ATLANTA
DUBLIN
SAVANNAH
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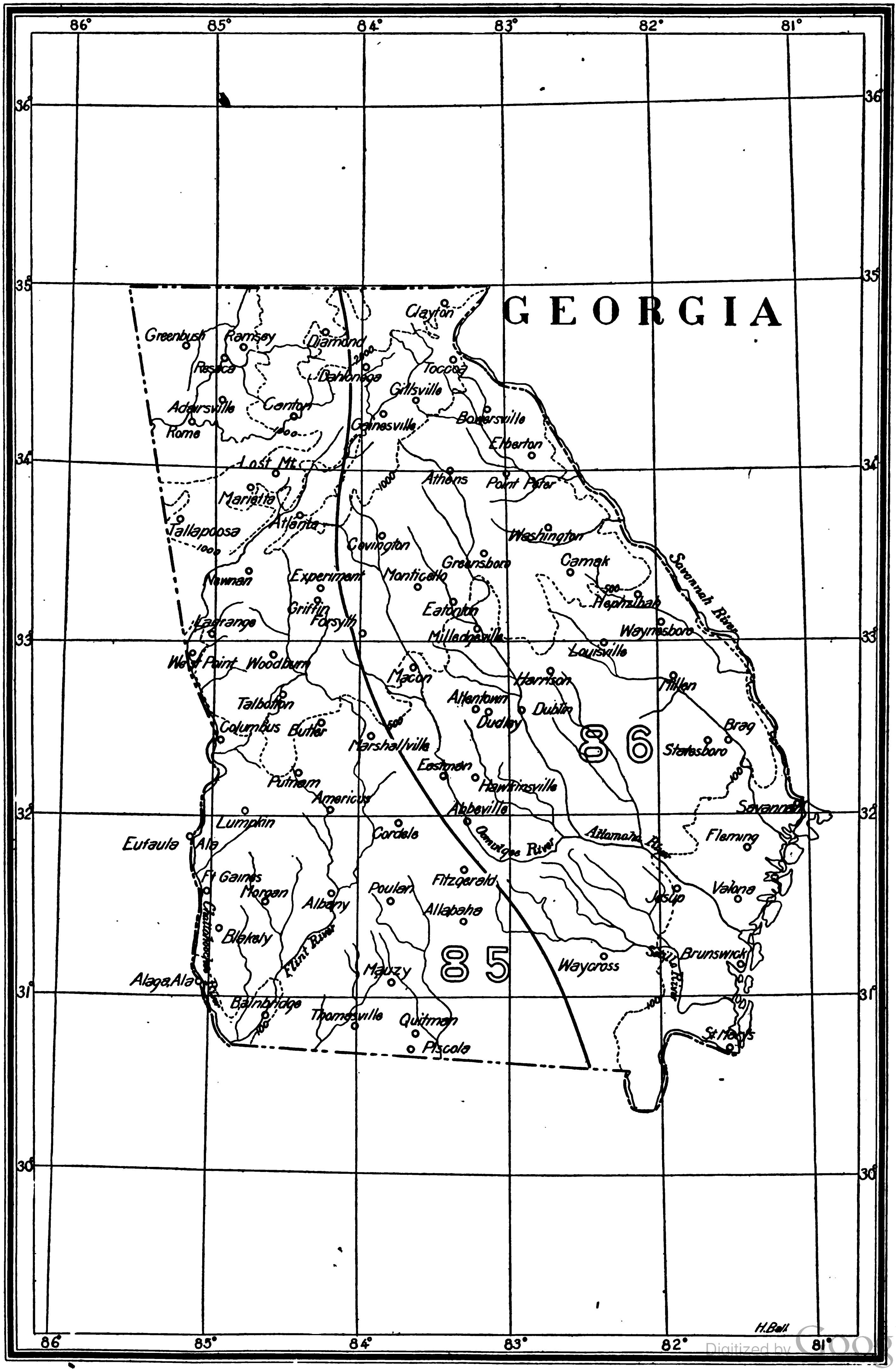
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Greenbush
Ramsey
Diamond
Resaca
2000
Dahlonega
Toccoa
Gillsville
Adairsville
Canton
Bowersville
Rome
1000
Gainesville
Elberton
Lost Mt.
1000
Athens
Point Peter
Marietta
Tallapoosa
Atlanta
Washington
1000
Covington
Greensboro
Camak
Savannah River
Newnan
Experiment
Monticello
500
Hephzibah
Griffin
Eatonton
Lagrange
Forsyth
Waynesboro
Milledgeville
Louisville
West Point
Woodbury
Macon
Harrison
Millen
Talbotton
Allentown
Dublin
Dudley
Columbus
Butler
500
Brag
Marshallville
86
Statesboro
Eastman
Putnam
Hawkinsville
Americus
1000
Abbeville
Savannah
Lumpkin
Cordele
Ocmulgee River
Altamaha River
Fleming
Eufaula
Ala
Ft. Gaines
Fitzgerald
Morgan
Poulan
Valona
Albany
Allapaha
Jesup
Chattahoochee River
Blakely
Flint River
85
Brunswick
Waycross
Satilla River
Mauzy
Alaga, Ala
100
Bainbridge
Thomasville
Quitman
100
Piscola
St. Marys
H. Bell

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 86.—CENTRAL AND EASTERN GEORGIA.

TOPOGRAPHIC FEATURES.

The drainage of that portion of Georgia east of the Chattahoochee Ridge is toward the southeast directly into the Atlantic Ocean. The largest rivers are the Savannah River, which forms throughout nearly its whole length the boundary line between Georgia and South Carolina, and the Altamaha River, which drains a large area of central Georgia. The territory covered by this section embraces the basins of these two rivers, having a total area of approximately 34,000 square miles.

The region north of the "fall line" is generally mountainous in character. The rivers rise at high altitudes, and flow in a succession of cascades, with long stretches of quiet flow between, affording excellent sites for water power. Some of the shoals of the more northern tributaries are very precipitous. For example, on the Broad River there is a fall of 68 feet in 2 miles; on the Tallulah River a fall of 525 feet in 3 miles, and on the Towaliga of 98 feet in 1,200 feet (Hall). The rivers leave the crystalline region and enter the younger geological formation at the "fall line," which has an altitude of 98 feet above sea level at Augusta on the Savannah River, of 215 feet at Milledgeville on the Oconee, and 280 feet at Macon on the Ocmulgee.

The surface of the land in middle Georgia is undulating or hilly, with very few level areas of any great extent. The soil is sand or red clay; decayed vegetation sometimes gives the soil a dark surface, but the subsoil is a very red clay resulting from the decomposition of hornblendic rocks. The forests contain many varieties of trees, chiefly oaks, hickory and short-leaf pine.

Southern Georgia, extending from the Savannah on the east to the Chattahoochee River on the west, is a nearly level, mostly sandy plain, still largely covered with a growth of long-leaf pine. A large portion is marshy in character; frequently there are open prairies covered with water which is concealed by a luxuriant growth of grass (savannas). Okefenokee Swamp, a large, shallow fresh-water lake about 40 miles from the Atlantic Ocean, lies between the St. Marys and the Suwanee basins and covers an area of about 400,000 acres. It is filled with black muck derived from decaying vegetation, and large portions are covered with a thick growth cypress, red bay and holly.

The Savannah River has its ultimate sources in the Blue Ridge Mountains of North Carolina. Two streams, the Tallulah and the Chattooga, join at Tallulah Falls to form the Tugaloo, the designation of the upper portion of the Savannah River about 100 miles above Augusta, which is the head of navigation.

The Altamaha River is formed by the union of two large streams, the Oconee and the Ocmulgee, and it flows southeastward into the Atlantic Ocean about midway between Savannah and Jacksonville, Fla. The sources of both these streams are found in the Chattahoochee divide, the Oconee near Gainesville and the Ocmulgee near Atlanta. The head of navigation of the former river is at Milledgeville and of the latter at Macon.

CLIMATIC CONDITIONS.

The meteorological data available for the State have been published regularly since 1891 in the monthly and annual reports of the Georgia Section of the Weather Bureau, and the more important records such as temperature (highest, lowest and mean) and the monthly precipitation have also appeared in the Monthly Weather Review issued at Washington. Sixty stations in the State have records for over 10 years; at several of the larger cities observations were begun over 50 years ago (Atlanta in 1859, Athens 1848, Augusta 1844, Savannah 1837, and Rome in 1856).

The increasing value of these records to engineers, farmers and others, especially to those interested in the development of water powers, calls for their publication in convenient form. The State has been divided into two sections, numbered 85 and 86. Number 85 includes all that portion of Georgia west of the Chattahoochee Ridge, the drainage being into the Gulf of Mexico, while Number 86 embraces the eastern portion of the State, in which the rivers flow into the Atlantic Ocean.

The climate of this region is characterized by long, hot summers, during which the changes in temperature from day to day are small, and by brief, mild winters. The increase of altitude toward the north, however, is so effective in ameliorating the climate that from Atlanta northward the summers are much more moderate than might be expected from the position in latitude. At Atlanta the temperature has reached 100° only once. While the normal annual temperature for the southern portion of the State is 66°, for the northern portion it is only 60°. The lowest annual mean temperature in this section is found at Clayton (elevation 2,000 feet above sea level), 57°, and the highest at Waycross and St. Marys, 67°. High summer temperatures continue during June, July and August, and often well into September, the monthly means being frequently over 80° and the extremes ranging from 100° to 108°.

The winters, as stated, are usually very mild, but during exceptionally severe cold waves, such as that of February 13, 1899, the temperature in the northern portion of this section may fall several degrees below zero. No really cold weather occurs until after Christmas, January and February being the most disagreeable months. The lowest normal monthly temperature is 40° at Clayton and Gainesville in January.

The influence of altitude on the rainfall of northern Georgia is also very pronounced. A portion of extreme northeastern Georgia, including Rabun and Towns counties and the adjoining portion of North Carolina (Macon County) receive a remarkably heavy annual rainfall not exceeded anywhere in the United States except on the north Pacific coast. The configuration of the valleys here is such that the moist winds from the Atlantic, drawn from the south or southeast by the passage of barometric depressions over the Lake region or Ohio valley, are forced upward against the mountain slopes and excessive precipitation is caused by the process of mechanical cooling. In Macon County, N. C., the normal annual rainfall exceeds 70 inches; at Clayton and Rabun Gap, Ga., it is 69 inches. In some wet years more than 80 inches has been measured (Clayton, 91.55 inches in 1906, 87.86 inches in 1898; Rabun Gap 88.38 inches in 1879, etc.).

The rainfall diminishes toward the south, but increases again slightly as the coast is approached. The annual average precipitation for northern Georgia is 52 inches, for middle Georgia 48 inches, and for the southern portion 49 inches.

There are two periods of maximum rainfall; in northern Georgia the heaviest rains occur in January, February and March, with a secondary maximum in July; in central Georgia heavy rains fall in January and February, and again in July and August, while in the southern section there is only one period of heavy rainfall, which includes June, July and August. Excluding a brief record at Bragg, the maximum normal monthly rainfall in this section is 8.60 inches at Fleming in August. The maximum winter normal is 7.26 inches at Rabun Gap in January.

The least rainfall occurs in October and November, with a marked secondary minimum in April and May. The minimum monthly normal is less than 2.00 inches at a number of stations.

Excessive rains are of frequent occurrence in this section. The greatest monthly rainfall known to have occurred was 28.6 inches at Fleming, Liberty County, in August, 1898. Of this amount 8.58 inches fell in 24 consecutive hours. During the same month the regular Weather Bureau station at Savannah received 22.8 inches. Excessive rains exceeding 2.50 inches in 24 hours are of common occurrence.

The average annual snowfall in the mountain region of the extreme northeast is about 7 inches; in the middle section it is about 2 inches. In the counties south of the 82d parallel snow is extremely rare. However during the cold wave of February, 1899, snow fell to a depth of two inches as far south as the Florida boundary line. Snow falls mostly in January and February, and melts almost immediately, although it may remain on the ground for a few days in sheltered nooks in the north.

The growing season, as indicated by the average dates of the first and last killing frosts, is a long one. Over the greater portion of the mountain districts a killing frost is not likely to occur after April 6th; in the remainder of the State frost is not probable after the middle of March. In the north the average date for the first killing frost in fall is about November 1st; elsewhere killing frost is usually delayed until after the middle of November.

The tables present the distribution of precipitation in some detail; the stations have been grouped in order to bring data pertaining to each important watershed conveniently together. Tables are also included giving the normal temperature and highest and lowest at selected stations, and the average number of rainy days. The table on frosts should prove useful to the farmer. Data with regard to prevailing winds, hourly wind movement, and relative humidity are given only for the regular Weather Bureau stations in Georgia for which reliable observations are available. The accompanying chart shows the general topography of the section under discussion.

C. F. VON HERRMANN, *Section Director.*

CHATTAHOOCHEE VALLEY GROUP.

DAHLONEGA, GA., Lumpkin County. Elevation 1,519 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1874.	......	......	......	......	4.29	11.19	10.30	......	......	......	......	......	......
1884.	......	......	......	......	......	......	......		......	......	......	7.20	......
1885.	10.13	5.65	2.80	1.94	5.08	3.43	6.30	4.56	7.54	6.75	8.47	5.70	68.35
1886.	8.33	3.46	13.47	4.66	6.92	7.40	......	......	......	......	......	......	......
1892.	......	3.31	5.66	6.25	2.12	9.84	8.21	5.51	3.64	0.47	6.47	3.90	......
1893.	2.85	8.76	3.94	2.29	5.40	6.05	......	......	9.07	0.80	1.87	3.24	......
1894.	6.76	7.26	2.71	2.47	5.56	2.35	7.89	8.74	3.75	2.52	1.01	8.38	59.40
1895.	10.44	2.76	7.34	6.02	7.98	4.87	2.63	15.38	0.93	2.09	2.20	4.64	67.28
1896.	4.57	4.81	2.91	2.07	5.05	4.62	8.03	2.95	1.82	3.36	7.86	0.97	49.02
1897.	5.77	6.01	9.98	7.10	0.90	2.05	8.27	1.75	0.65	3.69	3.51	6.08	55.76
1898.	5.54	1.38	4.60	5.53	1.00	3.87	10.62	10.69	12.08	8.32	4.45	3.69	71.77
1899.	4.64	8.96	10.07	4.54	1.06	4.12	5.68	4.37	0.76	2.64	2.93	5.01	54.78
1900.	3.42	9.84	6.35	6.72	3.03	13.01	8.74	2.77	5.35	4.47	2.94	5.47	72.11
1901.	6.34	3.60	6.79	4.63	10.39	8.13	1.97	12.74	5.83	0.80	1.02	10.94	73.18
1902.	3.12	8.06	5.92	1.70	1.55	1.31	2.17	3.34	6.82	1.95	4.01	8.00	47.95
1903.	4.60	14.11	9.95	4.14	4.02	10.05	3.41	2.46	2.64	1.20	1.76	2.28	60.62
1904.	3.25	4.43	3.96	2.55	3.96	1.32	2.32	8.76	0.51	T.	2.71	5.45	39.22
1905.	5.77	7.98	2.69	3.06	9.54	6.00	6.78	6.38	2.01	4.88	1.92	10.55	67.56
1906.	9.75	0.60	10.37	1.57	5.09	6.70	8.83	7.56	10.79	3.89	1.97	6.16	73.28
1907.	1.02	4.79	3.29	3.72	5.58	3.05	3.97	4.70	7.24	1.02	7.87	7.87	54.12
1908.	5.54	5.69	6.60	9.58	3.93	2.06	1.80	4.30	2.41	4.94	1.72	8.44	57.01
M'ns	5.66	5.87	6.28	4.24	4.62	5.57	6.00	6.29	4.60	2.99	3.59	6.00	61.77

GAINESVILLE, GA., Hall County. Elevation 1,254 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1872.	2.30	......	......	......	......	......	......	......	......	......	3.10	8.20	......
1873.	7.93	18.11	......	......	......	......	5.44	6.79	4.03	1.20	2.37	......	......
1874.	......	......	5.33	3.03	7.73	10.97	......	9.21	1.65	2.80	4.82	3.50	......
1875.	8.04	9.69	11.74	4.74	1.10	3.53	4.29	15.44	4.54	2.50	4.95	9.90	80.19
1876.	4.58	6.18	6.79	3.63	6.05	9.15	2.60	2.80	2.25	4.00	2.30	4.92*	55.25
1877.	5.00	2.35	8.65	9.50	1.85	4.75	4.15	3.80	6.62	6.90	8.12	4.10	65.79
1878.	4.35	3.90	1.90	3.30	2.67	5.50	4.15	3.85	2.10	2.80	4.40	5.30	44.22
1879.	3.58	6.18	3.70	3.95	2.00	5.30	5.30	10.25	1.15	7.60	5.05	8.75	62.81
1880.	3.30	3.76	11.75	7.05	3.90	2.80	3.90	7.45	8.95	2 10	8.40	5.05	68.41
1881.	3.00	8.60	7.65	3.55	1.85	2.45	4.85	2.85	5.85	2.05	2.90	7.60	53.20
1882.	7.40	6.85	4.55	2.20	2.70	2.25	4.00	6.80	4.15	1.90	1.40	2.25	46.45
1883.	17.00	2.40	5.20	2.68	3.11	3.19	0.86	6.29	0.70	2.20	3.50	4.20	51.33
1884.	8.50	9.00	9.35	7.51	1.02	12.10	4.94	0.52	1.13	0.10	2.10	7.05	63.32
1885.	9.25	6.20	4.15	1.55	6.25	3.30	6.35	7.45	9.85	6.28	6.15	3.90	70.68
1886.	8.50	2.65	12.80	3.94	8.05*	7.55	2.65	2.80	0.80	0.00	7.05	3.60	60.39
1887.	2.75	5.85	2.00	2.65	3.25	......	14.75	16.20	4.00	3.60	0.50	......	......
1888.	......	4.90	11.30	1.95	7.93	1.66	0.88	3.59	12.61	3.43	......	......	......
1889.	......	......	......	......	6.10	2.65	3.84	8.41	8.45	1.40	3.63	......	......
1890.	......	......	......	......	0.65	0.21	5.15	6.44	8.91	6.70	0.00	......	......
1891.	......	......	......	......	1.48	4.65	6.68	5.08	1.16	0.00	4.23	......	......
1892.	......	......	......	......	2.69	11.31	6.21	4.61	2.70	0.73	3.00	......	......
1893.	......	6.38	3.71	1.88	3.80	4.54	1.35	4.18	8.73	0.45	2.60	......	......
1894.	......	......	......	......	2.70	1.14	4.81	4.40	2.79	3.28	1.17	......	......
1895.	......	......	......	......	8.95	3.39	4.63	9.16	1.27	0.40	1.55	4.96	......
1896.	......	......	......	......	1.53	2.08	10.61	0.77	1.62	......	6.77	2.02	......

* Interpolated.

GAINESVILLE, GA., Hall County. Elevation 1,254 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897.	4.40	4.89	6.90	......	1.15	3.03	14.43	2.48	0.05	2.67	3.46	2.78	......
1898.	3.24	0.79	4.41	5.29	1.03	1.23	12.12	9.58	6.71	7.30	3.54	3.37	58.65
1899.	4.11	8.17	10.46	3.76	1.46	3.41	2.40	4.10	0.40	2.43	2.82	4.49*	48.01
1900.	2.97	8.84	6.75	5.76	1.31	12.09	3.88	1.34	1.49	2.66	3.16	3.70	53.95
1901.	8.02	3.53	6.69	5.84	6.35	6.89	5.47	13.58	4.65	1.24	0.15	6.37	68.78
1902.	2.83	9.40	7.58	1.76	3.41	2.01	3.85	3.02	7.05	3.26	4.31	6.15	54.63
1903.	4.09	11.81	12.17	2.80	4.79	6.03	2.15	3.83	4.98	1.18	3.10	2.41	59.34
1904.	3.27	1.96	......	1.49	2.68	1.42	1.60	2.03	0.34	0.12	2.22	1.88	......
1905.	4.28	7.31	1.14	2.52	4.63	3.47	4.29	3.61	1.43	2.80	1.75	8.88	46.11
1906.	6.94	0.21	8.77	1.07	2.76	4.21	5.49	10.94	5.59	2.44	0.95	4.17	53.43
1907.	0.74	4.15	2.42	4.15	4.02	3.25	1.74	2.86	3.77	0.36	5.65	3.18	36.29
1908.	2.64	5.72	4.82	6.55	1.99	2.47	3.94	6.83	3.04	4.58	1.76	5.64	49.98
M'ns	5.30	6.06	6.77	3.86	3.51	4.53	4.96	5.93	4.04	2.67	3.42	4.97	56.02

* Interpolated.

OCMULGEE VALLEY GROUP.

ABBEVILLE, GA., Wilcox County. Elevation —— feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903.	......	......	......	......	......	6.18	3.08	6.04	3.98	2.92	3.62	2.78	......
1904.	3.40	5.38	1.66	1.28	1.23	1.65	5.31	6.87	1.05	0.13	4.54	2.43	34.93
1905.	3.20	8.58	4.49	3.92	2.46	4.23	3.91	4.35	3.74	1.30	1.93	7.86	49.97
1906.	4.36	3.13	4.49	1.28	8.24	5.26	6.73	3.57	4.64	1.86	0.74	2.82	47.12
1907.	1.59	2.37	0.38	5.42	2.69	4.05	5.72	5.21	9.72	0.18	2.21	5.92	45.46
1908.	4.20	5.46	6.37	9.15	4.44	2.17	9.02	2.24	5.19	0.84	1.18	1.63	51.89
M'ns	3.35	4.98	3.48	4.01	3.81	3.92	5.63	4.71	4.72	1.20	2.37	3.91	46 09

COVINGTON, GA., Newton County. Elevation 800 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	2.14	2.74	4.06	5.94	3.59	4.36	2.58	......	......	......
1883.	......	......	......	10.93	4.91	4.07	1.02	3.85	1.37	1.56	......	......	......
1893.	......	......	......	......	......	......	5.05	6.52	3.31	2.09	1.30	2.76	......
1894.	3.81	5.77	2.30	2.81	1.19	1.09	9.58	5.46	2.48	3.20	0.41	4.75	42.85
1895.	6.47	1.57	9.56	5.87	2.77	2.12	1.94	9.37	0.84	1.59	1.76	3.82	47.68
1896.	4.59	2.67	2.95	2.94	1.88	3.71	7.24	3.16	0.90	2.62	9.78	1.11	43.55
1897.	2.51	6.27	7.58	4.29	0.95	2.68	3.52	5.44	0.98	2.98	1.32	3.07	41.59
1898.	3.86	1.06	3.59	5.93	1.98	1.46	10.20	10.69	5.33	9.55	4.04	4.85	62.45
1899.	8.06	8.38	3.71	2.66	3.26	2.16	2.66	2.96	1.54	4.62	2.46	3.14	45.61
1900.	2.35	10.46	3.40	7.54	2.21	14.78	4.08	5.16	4.08	1.90	3.69	7.66	67.31
1901.	3.89	3.95	6.56	4.32	5.99	4.28	3.34	10.75	4.49	0.61	0.50	7.83	56.51
1902.	2.79	13.42	5.97	2.44	2.63	1.79	2.55	5.55	3.51	3.14	4.10	3.50	51.39
1903.	2.38	10.45	6.66	3.71	4.11	4.32	5.21	5.19	4.95	1.17	0.99	2.03	51.17
1904.	2.39	4.16	2.51	2.30	2.25	2.13	3.47	5.65	T.	0.38	3.37	3.89	32.50
1905.	2.35	6.09	1.94	3.62	3.76	2.02	5.09	4.87	1.51	1.66	2.31	8.54	43.76
1906.	7.46	1.33	8.33	1.28	2.81	6.47	8.10	4.52	4.65	8.79	2.17	5.30	61.21
1907.	1.21	5.33	2.22	4.94	4.02	7.02	3.91	0.96	4.31	0.27	6.77	4.23	45.19
1908.	5.69	7.03	3.59	5.28	4.58	3.81	2.29	4.03	1.40	3.22	1.38	5.45	47.75
M'ns	3.99	5.86	4.72	4.29	3.06	4.00	4.73	5.43	2.78	2.88	2.90	4.50	49.14

EASTMAN, GA., Dodge County. Elevation 361 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	4.42	1.87	3.06	3.98	9.08	6.50	4.37	......	......	......
1883.	......	......	......	3.15	2.02	9.04	6.06	4.87	3.53	......	......	......	......
1884.	......	......	......	1.68	0.02	0.30	......	1.47	......	0.00	......	......	......
1885.	......	......	......	......	0.19	0.15	0.42	2.80	7.96	4.45	......	......	......
1886.	......	......	......	3.53	1.14	7.34	8.73	1.27	1.04	0.00	......	......	......
1887.	......	......	......	......	0.05	3.24	9.27	8.54	0.00	0.00	......	......	......
1888.	......	......	......	0.30	8.12	3.72	3.11	3.62	7.08	3.70	......	......	......
1889.	......	......	......	......	0.10	1.18	5.15	6.76	2.51	0.00	3.51	......	......
1890.	......	......	......	......	10.54	3.91	9.79	2.35	9.91	4.55	0.70	......	......
1891.	......	......	......	......	0.09	3.82	6.21	3.59	0.98	0.95	2.69	......	......
1892.	......	......	......	0.00	3.38	6.34	11.76	6.17	2.30	0.10	2.86	......	......
1893.	......	......	......	......	1.90	7.59	4.43	7.35	4.33	1.55	0.96	......	......
1894.	......	......	......	......	0.76	2.43	10.75	11.17	4.74	2.95	1.11	......	......
1895.	......	......	......	......	4.28	2.32	4.13	5.06	0.76	0.24	......	......	......
1896.	......	......	......	......	1.34	3.44	6.08	2.35	2.44	......	......	......	......
1897.	......	......	......	......	3.53	2.93	7.90	4.28	2.69	2.08	......	......	......
1898.	......	......	......	......	0.67	1.43	4.66	7.61	2.43	4.75	......	......	......
1899.	......	......	......	......	2.01	1.06	4.72	1.17	0.37	5.05	......	......	......
1900.	......	......	......	......	0.92	4.12	5.16	0.57	1.72	2.02	......	......	......
1901.	......	......	......	......	6.91	5.29	3.70	5.08	3.57	2.70	......	......	......
1902.	......	5.78	......	2.54	2.46	2.53	9.02	3.63	4.03	5.68	2.38	2.91	......
1903.	3.24	4.48	6.49	2.71	7.44	5.56	4.17	6.36	4.51	2.63	......	2.57	......
1904.	2.65	......	......	1.26	1.13	2.05	4.67	10.16	0.60	0.26	......	2.16	......
1905.	3.48	8.37	2.25	4.77	2.55	2.89	3.79	3.55	2.96	2.93	1.55	8.52	47.61
1906.	4.38	2.67	4.49	1.20	5.49	7.93	8.73	8.53	4.47	2.49	0.55	2.35	53.28
1907.	1.83	3.46	0.40	4.76	3.03	2.09	7.39	3.92	7.76	0.06	3.10	5.29	43.09
1908.	4.40	6.13	7.27	8.09	1.73	0.75	5.23	2.07	3.75	1.76	0.91	2.84	44.93
M'ns	3.33	5.15	3.48	2.95	2.73	3.58	6.12	4.94	3.57	2.21	1.85	3.81	43.72

FORSYTH, GA., Monroe County. Elevation 735 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1874.	3.40	5.05	9.70	9.11	2.90	4.01	6.71	4.17	1.70	0.75	3.85	4.20	55.55
1875.	4.44	4.60	12.87	3.88	2.77	2.71	2.27	4.80	3.15	1.51	3.00	3.07	49.07
1876.	2.50	3.94	4.59	5.80	2.02	3.70	4.50	2.61	3.70	2.70	3.55	3.73	43.34
1877.	4.84	2.62	7.85	4.25	0.45	3.62	2.71	3.90	3.75	2.74	2.50	2.35	41.58
1878.	2.83	3.72	1.37	1.90	1.98	4.87	0.32	6.28	0.68	0.75	4.35	4.80	33.85
1879.	2.51	1.19	2.35	5.71	2.60	1.48	8.23	7.46	2.30	7.86	1.96	5.70	49.35
1880.	2.22	2.60	10.14	4.01	3.15	3.04	1.99	4.55	3.00	4.00	4.85	7.21	50.76
1881.	7.02	5.35	10.00	4.53	0.91	4.07	2.05	4.10	6.03	2.54	4.39	6.85	57.84

FORSYTH, GA., Monroe County. Elevation 735 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	4.34	7.90	10.46	4.38	3.02	5.98	5.77	6.62	4.88	3.42	3.05	5.82	65.64
1883.	10.08	2.40	4.19	9.59	3.67	4.61	2.45	5.94	1.20	2.16	3.06	4.49	53.84
1884.	4.17	4.87	11.93	4.93	1.72	6.73	2.84	4.20	1.60	0.10	3.86	4.73	51.68
1885.	7.99	3.17	3.79	1.65	6.47	4.61	4.04	5.38	8.67	4.10	3.26	3.07	56.20
1886.	8.15	2.26	8.67	1.88	4.05	11.14	4.26	3.49	0.10	0.35	4.55	3.18	52.08
1887.	4.25	5.93	3.29	3.23	3.13	3.06	12.70	5.42	2.57	4.32	1.01	7.56	56.47
1888.	6.34	7.37	11.50	0.55	5.91	2.84	3.08	2.50	8.69	4.66	5.41	4.58	63.43
1889.	8.86	6.74	2.48	3.52	1.98	7.94	8.21	5.50	3.70	3.12	5.28	0.79	58.12
1890.	2.87	4.39	2.66	1.80	7.31	2.40	5.35	2.74	5.56	5.89	0.50	2.88	44.35
1891.	7.88	8.11	12.49	1.45	2.29	7.18	5.44	8.05	1.35	T.	3.56	3.60	61.40
1892.	9.59	4.93	10.68	0.55	2.76	5.55	7.52	7.72	3.36	0.50	3.29	4.44	60.89
1893.	3.58	7.65	2.51	4.30	6.24	6.79	4.99	13.45	2.71	2.55	1.54	2.20	58.51
1894.	4.16	9.69	3.71	1.86	3.66	2.21	5.91	9.54	1.96	5.92	0.96	4.75	54.33
1895.	6.05	3.16	6.96	5.81	4.62	4.32	5.96	6.96	1.19	1.60	1.55	4.73	52.91
1900.	1.81	......	3.88	4.67	1.67	......	......	......	......	......	......	......	......
1903.	2.75	10.70	6.00	4.68	6.26	5.15	1.21	5.58	5.07	2.45	1.55	2.33	53.73
1904.	......	......	......	......	2.05	2.42	5.08	9.91	0.50	0.39	3.59	5.20	......
1905.	1.83	6.76	4.25	2.87	5.74	3.37	6.28	3.25	3.05	2.04	1.46	7.79	48.69
1906.	6.70	1.74	6.36	1.17	2.47	6.45	7.01	5.14	4.55	5.36	1.24	......	......
1907.	......	......	......	5.08	......	......	3.82	......	......	0.32	......	......	......
1908.	5.90	3.80	2.55	8.70	......	......	......	......	......	......	......	......	......
M'ns	5.08	5.02	6.56	4.00	3.40	4.62	4.84	5.74	3.27	2.77	2.97	4.40	52.67

HAWKINSVILLE, GA., Pulaski County. Elevation 235 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	8.54	0.48	1.53	4.03	7.62	8.21	4.09	0.00	1.84	2.17	......
1893.	3.47	3.89	5.01	1.40	1.93	8.55	7.58	6.91	1.30	......	0.84	2.46	......
1894.	1.54	9.11	2.40	1.57	2.10	4.15	14.84	10.31	3.02	4.35	2.69	2.55	58.63
1895.	9.72	2.20	6.90	2.86	4.30	4.16	6.27	6.41	2.80	2.80	......	......	......
1896.	......	......	......	......	......	......	......	......	......	......	......	6.20	......
1897.	5.84	8.71	9.95	3.60	0.05	......	......	......	......	3.16	0.30	2.58	......
1898.	1.30	1.20	0.91	......	......	......	......	......	......	9.55	7.60	1.85	......
1899.	6.00	7.20	2.39	2.92	......	......	4.95	3.45	0.33	5.98	1.60	1.88	......
1900.	2.94	8.90	6.30	3.61	2.32	4.59	4.70	1.97	0.93	1.75	4.27	7.37	49.65
1901.	4.61	4.49	7.71	2.60	3.86	3.63	2.25	8.89	7.87	0.95	1.14	4.22	52.28
1902.	2.35	5.03	11.09	1.43	2.04	2.51	7.26	4.95	3.82	5.32	......	3.52	......
1903.	2.78	5.40	6.43	3.18	7.17	6.72	4.66	10.78	4.60	2.08	3.94	3.00	60.74
1904.	3.45	5.88	1.28	0.69	1.45	4.00	3.53	9.23	0.45	0.15	3.27	1.76	35.14
1905.	2.81	9.24	4.14	2.34	3.12	3.64	0.66	5.23	1.95	2.60	1.90	7.70	45.33
1906.	......	1.96	......		3.62	3.55	7.04	5.12	3.16	0.42	1.35	3.63	......
1907.	2.15	1.80	1.31	......	......	......	3.92	4.04	4.95	0.60	3.35	7.17	......
1908.	7.62	3.73	6.84	......	2.27	1.35	......	......	5.05	2.28	0.52	2.10	......
M'ns	4.04	5.25	5.41	2.22	2.90	4.24	5.79	6.58	3.17	2.80	2.47	3.76	48.63

MACON, GA., Bibb County. Elevation 370 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1868.	7.86	6.89	4.35	11.36	4.46	......	......	......	......	......	0.51	4.68	......
1869.	6.10	6.48	2.13	4.90	3.60	3.58	3.34	2.85	......	......	......	......	......
1871.	......	......	5.40	5.50	4.65	5.77	......	......	......	2.25	8.25	6.30	......
1872.	3.13	3.60	11.15	2.80	0.95	1.20	......	......	......	0.15	4.72	3.32	......
1873.	3.48	4.60	3.65	3.25	7.20	7.60	......	......	......	0.45	3.95	......	......
1874.	......	......	......	......	......	......	7.93	2.56	2.28	1.40	2.00	4.05	......
1875.	5.35	4.35	12.95	5.40	2.40	3.15	......	......	......	0.70	4.45	1.70	......
1876.	1.45	2.25	4.05	7.10	1.85	5.85	8.67	4.24	2.93	2.95	2.75	5.10	49.19
1877.	4.50	2.20	5.20	4.60	1.70	4.34	4.17	4.17	3.28	2.67	3.81	3.63	44.27
1878.	3.45	3.18	5.48	1.70	3.94	4.38	2.28	8.37	0.60	1.40	3.90	6.00	44.68
1879.	1.75	1.50	2.79	6.52	3.26	1.47	5.42	4.00	3.15	1.40	2.24	4.53	38.03
1880.	1.95	2.19	5.68	4.35	5.22	1.40	2.67	6.73	1.76	2.61	4.42	7.26	53.24
1881.	5.87	2.95	7.85	5.00	0.85	2.90	3.77	6.37	3.00	3.00	1.25	4.03	46.84
1882.	3.76	5.19	7.26	2.89	2.55	7.76	3.80	3.55	8.18	1.95	3.10	4.41	54.40
1883.	......	......	......	6.62	1.54	6.07	3.45	5.28	0.85	1.00	......	......	......
1884.	......	......	......	1.86	2.49	8.56	4.03	1.87	0.13	0.32	......	......	......
1885.	......	......	......	......	5.18	3.35	4.71	3.03	8.05	3.78	......	......	......
1886.	......	......	......	1.81	2.03	6.51	8.63	2.36	0.32	0.22	......	......	......
1887.	......	......	......	......	4.36	3.61	6.41	2.24	2.06	3.89	......	......	......
1888.	......	......	......	0.35	4.00	5.71	3.45	5.61	10.65	2.61	......	......	......
1889.	......	......	......	......	1.40	2.82	5.95	4.85	3.00	1.95	0.75	......	......
1890.	......	......	......	......	8.20	1.10	6.00	2.78	6.25	4.94	......	......	......
1891.	......	......	......	......	3.25	9.08	5.75	10.10	1.24	0.26	2.76	......	......
1892.	......	......	......	T.	2.13	5.84	4.87	3.20	1.57	0.42	1.81	......	......
1893.	......	......	......	......	3.22	3.06	2.29	4.75	2.22	2.72	......	......	......
1894.	......	......	......	......	4.06	1.75	4.79	6.77	3.74	4.15	......	......	......
1895.	7.35	2.00	7.25	4.92	4.72	1.70	5.20	5.82	0.30	0.40	......	......	......
1896.	3.58	5.85	3.47	1.73	1.82	3.29	6.16	5.66	0.68	1.58	7.09	5.01	45.92
1897.	1.95	8.33	10.58	3.30	0.87	6.16	5.10	3.37	1.12	0.70	......	......	......
1898.	......	......	......	......	0.45	2.63	6.15	8.76	4.17	6.60	......	......	......
1899.	......	......	......	3.11	1.83	1.61	2.47	1.94	1.61	5.20	1.73	3.45	......
1900.	1.87	7.64	3.68	4.80	2.97	6.69	3.26	5.93	1.25	1.27	4.53	5.89	49.78
1901.	3.53	3.91	6.94	3.86	2.85	3.82	1.15	3.95	4.64	1.59	0.42	5.37	42.03
1902.	1.13	5.15	7.65	1.45	1.97	2.16	5.15	1.84	2.38	2.97	3.31	2.84	38.00
1903.	2.88	6.25	5.38	4.47	3.30	3.53	4.45	4.57	3.65	2.25	3.05	2.02	45.80
1904.	2.85	4.07	1.69	0.99	1.83	1.88	3.28	7.99	1.34	0.19	2.26	3.32	31.69
1905.	1.50	7.69	2.70	2.69	3.09	4.49	2.57	4.28	2.35	1.62	1.66	7.44	42.08
1906.	5.09	2.44	4.87	0.95	1.65	5.93	3.88	6.22	4.89	3.15	1.10	3.55	43.72
1907.	1.78	3.07	1.22	5.83	5.12	2.05	2.24	1.51	6.15	0.38	4.52	7.01	40.88
1908.	6.53	3.77	6.42	9.26	2.99	2.55	4.68	6.12	1.65	2.54	1.33	2.27	50.11
M'ns	3.70	4.40	5.59	3.98	3.02	4.09	4.52	4.68	3.98	2.04	3.02	4.49	47.51

MONTICELLO, GA., Jasper County. Elevation 800 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889.	......	......	......	......	......	......	......	......	......	2.88	4.40	0.88	......
1890.	1.97	3.52	5.90	1.23	6.95	4.50	9.62	1.92	8.55	6.49	0.20	2.66	51.51
1891.	7.50*	8.10*	13.64	1.60	1.82	4.38	4.57	7.57	0.84	0.00	3.45	2.27	55.74
1892.	9.68	5.22	......	......	......	......	......	......	......	0.46	3.03	......	......
1893.	......	......	......	......	......	3.15	......	6.98	3.16	T.	......	3.00	......
1894.	4.00	5.56	3.07	1.90	1.98	1.00	6.50	10.30	2.80	6.10	1.20	1.00	45.41
1895.	6.14	2.46	7.76	3.60	2.80	2.35	4.20	7.50	1.90	......	2.94	2.60	......
1896.	......	4.10	3.15	1.40	......	0.90	......	1.10	......	......	5.15	2.70	......
1897.	2.00	5.35	9.70	4.55	0.40	......	3.75	5.10	......	......		......	......
1900.	......	......	......	......	......	......	4.27	......	......	......	......	5.48	......
1901.	3.67	3.09	......	......	......	......	......	......	......	......	......	......	......
1902.	......	......	......	......	2.84	4.21	7.93	3.42	1.79	3.37	2.71	5.02	......
1903.	2.22	11.15	6.56	2.69	2.84	5.57	1.31	5.70	4.48	2.04	1.20	2.71	48.47
1904.	3.63	3.58	2.35	1.47	2.37	2.88	2.34	7.87	0.49	0.39	3.35	4.83	35.55
1905.	1.97	6.87	3.33	2.80	5.57	8.18	6.16	3.47	2.30	3.07	1.86	9.24	54.82
1906.	9.23	2.09	7.43	1.42	1.89	10.72	6.36	6.49	4.08	5.70	1.66	3.88	60.95
1907.	1.52	4.57	2.50	5.04	2.55	4.15	5.12	1.82	7.40	0.23	6.42	6.12	47.44
1908.	4.54	8.12	5.04	9.80	1.89	4.94	2.38	7.19	1.73	4.04	1.31	4.54	55.52
M'ns	4.47	5.27	5.70	3.12	2.82	4.38	4.96	5.46	3.29	2.67	2.78	3.80	48.72

* Interpolated.

OXFORD, GA., Newton County. Elevation 800 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1875.	......	......	......	......	......	4.53	......	......	......	......	......	......	......
1876.	......	......	......	......	......	4.27	......	......	......	......	2.80	3.60	......
1877.	4.47	2.00	4.63	2.53	......	2.89	3.75	4.55	5.63	6.05	......	......	......
1878.	......	......	......	2.80	3.70	4.90	2.32	10.82	0.40	1.60	4.15	5.30	......
1879.	2.80	2.10	1.80	4.15	2.30	0.62	7.25	5.75	0.35	5.70	3.95	5.95	42.72
1880.	2.75	2.35	11.00	7.05	3.05	3.05	3.15	7.00	4.90	3.70	5.05	4.50	51.27
1881.	8.60	8.75	8.45	5.15	0.70	1.65	2.90	3.85	5.60	2.40	3.25	5.10	56.40
1882.	3.50	7.30	3.75	3.30	2.70	2.70	8.00	4.10	4.50	0.90	......	......	......
1883.	6.10	2.07	3.05	11.42	3.52	3.25	0.95	......	1.15	2.10	2.10	4.05	......
1884.	3.15	2.92	10.50	4.10	1.45	12.00	1.30	1.05	......	0.10	2.95	......	......
1885.	2.55	2.85	2.60	0.80	......	......	......	......	......	......	......	......	......
1905.	......	......	......	......	......	......	......	......	......	1.68	2.36	9.32	......
1906.	6.58	1.24	7.87	0.90	2.81†	6.47†	8.10†	4.52†	4.65†	......	......	......	......
M'ns	4.51	3.51	5.96	4.22	2.53	4.21	4.19	5.20	3.36	2.69	3.33	5.40	49.11

† Values from Covington.

OCONEE VALLEY GROUP.

ATHENS, GA., Clarke County. Elevation 694 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1849.	3.13	2.60	3.20	1.81	3.25	4.02	5.58	3.12	1.51	3.47	1.57	3.28	36.54
1857.	......	......	2.48	3.23	4.17	......	6.89	......	......	......	......	6.96	......
1858.	6.96	4.21	2.35	7.02	3.02	4.76	5.47	2.25	3.74	......	......	......	......
1859.	4.01	5.17	8.47	5.98	4.21	2.61	1.44	9.41	5.24	......	......	......	......
1872.	......	......	......	......	......	......	......	......	......	......	2.91	3.65	......
1873.	3.98	12.06	3.59	1.85	9.80	4.50	5.41	3.71	2.16	0.20	......	......	......
1878.	......	......	......	2.90	3.11	3.88	2.72	5.18	0.83	4.00	4.52	3.83	......
1880.	2.65	3.17	9.11	7.87	4.32	3.24	3.21	4.85	5.35	3.13	5.76	4.62	57.28
1881.	9.24	7.74	10.13	4.60	3.45	2.93	2.51	1.63	2.64	0.53	3.87	4.74	54.01
1882.	7.64	9.24	3.22	2.73	3.38	2.50	4.35	6.87	3.60	3.28	2.64	3.51	......
1883.	13.42	2.59	3.38	5.44	2.51	2.35	2.03	1.68	0.82	1.25	......	......	......
1884.	......	......	......	6.07	0.82	10.46	5.70	2.62	0.01	0.51	3.76	5.97	......
1885.	7.88	4.86	3.37	1.07	7.22	4.40	5.28	7.05	8.65	4.89	3.71	2.86	61.24
1886.	6.47	2.51	9.74	4.59	6.84	9.08	1.97	2.78	0.96	0.01	3.61	4.39	52.95
1887.	2.51	4.73	2.79	1.11	3.46	4.09	14.47	7.84	1.47	2.39	0.41	5.50	50.77
1888.	4.53	6.23	6.64	1.40	5.85	1.89	1.79	4.07	10.59	5.09	6.61	4.64	59.33
1889.	5.84	5.68	2.97	2.15	3.16	5.37	2.46	9.08	4.06	2.10	3.72	0.63	47.22
1890.	2.56	2.89	4.32	1.42	9.27	5.44	8.67	5.14	6.97	6.11	0.26	2.60	55.65
1891.	9.54	6.23	11.53	2.08	2.84	4.85	6.46	3.64	0.94	0.16	4.20	2.57	55.04
1892.	9.57	3.07	5.52	4.45	1.75	4.94	4.89	3.42	2.56	0.60	6.12	3.55	50.44
1893.	1.56	8.55	2.47	2.20	4.05	5.67	2.91	4.25	8.65	0.92	1.39	1.96	44.58
1894.	4.79	4.64	2.34	1.76	2.06	4.77	4.74	3.55	5.77	4.12	1.61	4.39	44.54
1895.	7.55	1.84	8.56	6.52	4.80	3.53	5.23	7.25	1.25	1.27	2.40	......	......
1896.	......	......	......	......	1.78	3.93	10.31	1.00	0.66	1.82	......	......	......
1897.	......	......	......	......	0.61	2.85	3.19	4.17	0.64	3.12	1.10	2.83	......
1898.	2.93	0.66	3.55	5.58	2.48	1.53	5.43	5.73	6.36	7.40	3.85	3.81	49.31
1899.	7.21	8.56	4.88	1.98	0.83	1.55	2.50	3.93	1.45	3.59	1.35	2.78	40.61
1900.	2.10	8.45	6.54	7.76	2.97	11.39	4.13	1.27	3.89	4.80	3.74	5.68	62.72
1901.	4.14	3.57	4.78	5.59	4.90	6.53	3.51	17.87	3.30	1.05	0.77	5.42	61.43
1902.	2.70	......	6.06	1.73	0.86	3.38	3.25	3.56	4.82	1.55	2.72	4.42	......
1903.	3.11	10.69	9.33	2.62	2.78	4.12	1.87	6.47	4.98	2.05	1.76	1.84	51.62
1904.	2.92	5.15	3.10	1.69	1.76	2.93	2.55	5.37	1.05	0.99	2.58	4.44	34.53
1905.	2.75	5.89	0.99	3.25	5.79	3.04	5.61	6.82	0.54	3.32	2.09	10.24	50.33
1906.	8.93	1.26	9.14	2.79	3.06	7.36	9.30	3.08	5.81	2.05	1.91	3.55	58.24
1907.	1.21	5.36	2.03	4.84	2.87	2.45	5.58	6.61	6.81	0.26	6.06	6.35	50.43
1908.	3.93	7.26	4.58	6.57	1.97	3.82	3.81	18.43	1.88	4.01	2.34	4.34	62.94
M'ns	5.19	5.34	5.20	3.72	3.60	4.42	4.72	5.40	3.53	2.50	2.98	4.18	50.78

ALLENTOWN, GA., Wilkinson County. Elevation —— feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896.	......	......	2.99	1.60	2.34	2.76	5.71	3.79	2.74	0.72	7.49	5.21	......
1897.	1.92	8.31	9.58	4.16	2.82	1.97	5.38	3.04	0.73	2.51	0.95	1.86	43.23
1898.	1.48	1.02	1.13	7.22	0.93	2.29	6.66	7.35	4.99	8.24	6.44	2.99	50.74
1899.	6.38	9.32	3.13	3.15	1.72	1.69	3.50	3.26	0.40	7.12	1.52	2.86	44.05
1900.	2.42	10.26	5.57	4.10	2.59	6.96	6.03	3.11	1.90	3.61	6.61	8.06	61.22
1901.	3.96	4.59	6.07	3.41	......	......	4.28	9.63	10.54	0.97	1.03	4.26	......
1902.	0.54	5.24	8.84	2.39	4.49	3.19	6.66	3.80	......	......	......	......	......
M'ns	2.78	6.46	5.33	3.72	2.48	3.14	5.46	4.85	3.55	3.86	4.01	4.21	49.85

DUBLIN, GA., Laurens County. Elevation 452 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	2.00	3.75	4.65	3.97	8.36	5.17	......	......	......	......
1892.	......	......	6.62	0.41	2.14	6.70	10.52	5.43	3.56	0.12	1.97	2.74	......
1893.	3.37	4.90	3.63	1.14	5.80	4.75	2.22	10.61	1.79	1.53	0.63	1.78	42.15
1894.	1.54	8.01	5.50	1.68	1.56	2.15	8.88	7.04	2.82	4.18	2.16	2.49	48.01
1895.	9.60	3.54	7.48	3.71	1.75	3.87	7.13	5.42	0.97	0.42	......	......	......
1896.	3.98	7.97	3.12	1.22	......	......	......	......	......	......	5.85	4.86	......
1897.	1.13	9.06	8.95	3.92	......	......	......	......	......	......	......	......	......
1898.	......	......	......	......	......	......	......	......	......	......	4.58	3.55	......
1899.	5.98	9.44	2.65	2.61	1.74	1.46	3.91	6.67	1.14	3.15	1.72	2.75	43.22
1900.	3.07	7.39	5.28	2.77	1.39	9.28	5.11	1.04	3.05	3.45	2.15	8.34	52.32
1901.	4.06	4.91	5.97	3.20	3.06	7.40	5.57	5.99	4.54	0.71	1.48	4.43	51.32
1902.	1.15	3.75	8.97	1.73	4.33	2.25	6.35	5.05	1.71	3.53	3.16	2.77	44.75
1903.	3.11	5.12	7.77	3.55	5.62	5.51	2.95	6.84	3.91	2.19	4.05	3.01	53.63
1904.	2.17	4.01	1.87	0.89	1.36	1.66	3.32	6.13	1.56	0.46	3.25	2.29	28.97
1905.	2.97	9.94	3.71	5.28	4.42	2.03	5.10	3.07	2.79	0.54	1.75	8.62	50.22
1906.	3.63	2.02	3.26	0.50	5.09	5.35	6.19	4.38	3.38	1.88	1.20	2.64	39.52
1907.	1.19	3.48	0.60	5.83	4.12	5.52	4.89	2.80	5.33	0.28	4.15	6.04	44.23
1908.	4.50	5.12	5.18	10.00	2.38	6.69	6.66	2.98	2.04	2.24	1.09	1.61	50.49
M'ns	3.43	5.92	5.04	2.97	3.23	4.62	5.52	5.45	2.92	1.76	2.61	3.86	47.33

DUDLEY, GA., Laurens County. Elevation —— feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902.	......	......	......	......	......	......	......	......	2.84	3.56	3.12	2.71	......
1903.	3.76	5.93	7.99	4.37	5.71	3.39	9.34	3.33	2.66	1.94	3.60	2.66	54.68
1904.	2.37	3.81	2.10	1.08	1.62	2.51	2.97	9.43	0.59	0.06	4.15	3.28	33.97
1905.	2.86	9.55	2.84	3.29	3.48	2.08	2.46	3.78	2.67	1.06	1.70	8.49	44.26
1906.	......	......	......	0.50	3.50	5.77	5.91	7.67	2.11	1.85	0.89	2.89	......
1907.	1.39	2.89	0.96	6.44	4.07	7.25	3.52	5.18	7.70	0.58	4.75	6.25	50.98
1908.	5.16	5.38	5.53	13.63	1.65	3.72	7.13	3.08	4.10	1.43	0.60	1.95	53.36
M'ns	3.11	5.51	3.88	4.88	3.34	4.12	5.22	5.41	3.24	1.50	2.69	4.03	46.93

EATONTON, GA., Putnam County. Elevation —— feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903.	2.48	9.57	5.80	2.38	5.24	5.76	......	......	......	......	1.44	1.75	......
1904.	3.60	4.13	2.92	1.19	2.21	0.96	1.48	5.28	T.	0.49	2.62	4.29	29.17
1905.	1.68	5.46	2.62	4.15	4.01	3.39	4.93	2.99	1.86	4.03	1.56	7.68	44.36
1906.	6.57	2.36	7.08	0.83	2.38	6.79	6.83	5.05	3.15	7.08	1.52	3.64	53.28
1907.	3.06	3.92	2.28	4.01	2.76	2.26	6.99	3.60	7.28	0.43	5.19	6.50	48.28
1908.	6.11	6.28	5.54	11.01	2.02	4.39	2.98	10.98	0.83	3.59	1.68	3.46	58.87
M'ns	3.92	5.29	4.37	3.93	3.10	3.92	4.64	5.58	2.62	3.12	2.34	4.55	47.38

GILLSVILLE, GA., Hall County. Elevation 1,052 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890.	2.55	6.32	4.15	1.65	4.40	2.40	8.25	4.62	15.84	6.00*	0.03	4.05	60.26
1891.	7.56	6.19	10.55	1.26	2.86	4.31	7.11	3.11	1.12	T.	4.56	3.70	52.33
1892.	8.28	3.90	5.81	6.12	2.21	8.26	6.44	5.10	2.30	0.44	4.34	2.90	56.10
1893.	2.10	6.44	2.37	1.25	4.46	5.91	3.28	7.65	6.51	0.86	1.70	1.80	44.33
1894.	4.58	5.23	3.54	2.12	2.63	1.25	4.42	5.50	2.39	2.43	1.35	5.45	40.89
1895.	......	1.85	5.26	6.58	5.44	3.00	3.79	6.81	1.31	1.23	1.27	3.33	......
1896.	4.45	2.14	2.11	0.80	4.68	2.82	7.62	1.48	1.48	1.57	6.13	0.40	35.68
1897.	4.26	5.40	6.50	6.62	0.00	2.48	10.94	2.95	0.00	5.11	1.83	3.91	50.00
1898.	1.26	0.36	3.54	4.20	1.03	2.64	6.75	7.78	10.13	8.18	3.17	3.54	53.58
1899.	4.28	8.87	8.63	2.32	2.35	1.94	2.92	3.48	0.53	2.37	2.80	3.61	44.10
1900.	3.42	10.77	5.72	8.10	2.94	8.82	3.42	1.36	3.04	4.07	3.25	3.20	58.11
1901.	6.44	3.43	6.50	6.20	6.11	5.89	5.57	11.73	5.38	0.62	0.10	6.14	64.11
1902.	3.12	10.06	6.24	1.44	1.90	1.65	2.91	2.58	7.17	2.17	4.23	4.48	47.95
1903.	2.26	12.64	9.58	2.16	2.60	6.44	2.95	4.65	4.19	1.18	2.43	2.18	53.26
1904.	2.87	3.00	4.42	1.77	2.31	2.09	2.35	7.87	0.88	T.	3.12	3.70	34.38
1905.	3.84	6.70	1.15	2.95	5.67	1.77	3.33	5.60	1.37	2.97	1.59	9.47	46.41
1906.	7.69	0.71	10.62	1.99	3.20	5.85	9.33	7.55	6.89	4.59	1.38	4.14	63.94
1907.	0.94	4.95	2.33	4.09	5.77	2.18	6.13	......	4.82	0.66	6.68	5.61	......
1908.	5.22	......	4.49	6.67	1.83	3.46	6.35	7.28	1.92	5.03	1.84	......	......
M'ns	4.17	5.50	5.45	3.59	3.28	3.85	5.47	5.39	4.07	2.60	2.73	4.00	50.10

* Interpolated.

GREENSBORO, GA., Greene County. Elevation 598 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902.	......	......	......	2.31	1.88	3.16	6.59	6.07	3.71	3.57	3.08	5.15	......
1903.	2.50	11.45	4.81	2.73	2.37	5.26	2.71	3.36	3.39	3.07	1.51	2.26	45.42
1904.	3.15	3.61	2.92	1.16	1.42	2.28	2.83	7.94	2.35	0.41	2.60	4.35	35.02
1905.	1.43	5.89	2.34	2.18	2.54	2.01	3.00	6.87	0.76	2.29	2.60	7.69	39.60
1906.	6.11	2.61	6.40	1.10	3.72	10.38	8.15	7.37	3.40	2.64	1.49	3.54	56.91
1907.	2.10	4.42	2.29	4.05	2.74	6.12	4.95	1.81	7.60	0.13	6.81	6.36	49.38
1908.	3.32	7.85	5.06	9.16	2.44	2.78	3.50	9.09	1.29	3.44	1.85	3.59	53.37
M'ns	3.10	5.97	3.97	3.23	2.44	4.57	4.53	6.07	3.21	2.22	2.85	4.71	46.87

MILLEDGEVILLE, GA., Baldwin County. Elevation 276 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1843.	......	......	......	......	......	......	......	......	......	......	1.14	7.09	......
1878.	......	......	......	1.70	3.90	4.95	1.95	3.35	2.50	......	......	......	......
1884.	......	4.95	8.88	4.51	1.69	7.64	2.52	3.38	0.00	0.69	1.54	5.87	......
1885.	8.37	3.39	3.32	0.98	6.70	4.06	3.04	7.70	9.38	4.80	1.74	2.66	56.14
1886.	7.31	1.56	3.71	1.29	2.59	10.97	4.08	5.54	0.59	T.	2.88	3.25	43.77
1887.	3.73	5.35	2.07	1.77	3.17	1.47	16.09	3.86	1.47	5.33	1.13	5.92	51.36
1888.	6.30	6.34	10.80	0.99	5.88	2.66	2.44	4.60	11.00	6.16	4.41	5.60	67.18
1889.	6.93	5.20	3.19	4.30	0.72	2.45	9.21	4.29	2.50	1.65	3.93	0.39	44.76
1890.	1.75	1.74	2.45	3.08	4.48	2.02	6.62	4.42	12.95	5.59	T.	2.25	47.38
1891.	4.30	5.76	12.68	0.40	3.02	4.61	4.03	9.46	0.97	0.31	3.02	3.41	51.97
1892.	7.33	4.13	5.60	0.36	1.94	3.97	6.49	5.55	7.17	0.29	2.80	2.77	48.40
1893.	2.85	5.57	4.10	1.79	3.73	4.00	6.75	10.46	2.52	1.10	1.25	1.42	45.54
1895.	......	......	......	......	5.38	1.52	2.75	5.93	0.40	1.15	1.22	3.72	......
1896.	3.94	6.72	3.00	0.71	2.81	3.72	7.69	2.56	1.63	1.86	7.25	4.62	46.51
1897.	1.60	7.84	10.63	2.53	1.87	1.27	1.85	4.72	1.58	......	......	......	......
1901.	......	......	......	5.46	3.25	5.75	3.22	8.45	5.50	0.46	0.80	5.90	......
1902.	2.55	6.43	8.61	3.74	1.67	4.62	6.12	4.05	3.49	5.14	3.97	3.09	53.47
1903.	3.50	7.79	5.98	2.98	5.32	5.25	1.36	6.94	4.48	2.58	1.76	2.37	50.31
1904.	2.25	3.63	1.25	1.09	2.51	0.79	2.81	6.89	T.	0.69	2.70	4.39	29.00
1905.	1.93	8.60	2.82	2.98	4.54	3.24	5.45	2.93	2.81	1.30	1.58	7.91	46.09
1906.	5.33	2.35	4.91	1.12	1.72	10.13	9.16	6.20	4.25	2.68	0.78	4.03	52.66
1907.	1.32	3.81	1.18	5.32	4.23	2.47	4.66	2.16	8.24	0.55	4.64	6.45	45.03
1908.	3.89	7.10	6.14	8.79	1.73	3.01	5.58	2.48	1.10	2.16	1.14	3.59	46.71
M'ns	4.18	5.17	5.33	2.66	3.31	4.12	5.18	5.27	3.84	2.22	2.36	4.13	47.77

ALTAMAHA VALLEY GROUP.

BRUNSWICK, GA., Glynn County. Elevation 14 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	2.78	1.24	7.76	6.28	4.03	12.04	3.49	2.41	4.85	......
1879.	0.50	3.71	1.58	11.53	4.52	4.52	5.59	6.52	5.33	5.57	2.55	0.87	52.79
1880.	1.80	4.21	1.20	1.26	6.93	2.84	4.62	2.54	6.45	12.22	3.41	2.60	50.08
1881.	5.52	0.37	2.77	3.50	0.15	2.98	6.31	3.73	3.16	2.66	0.35	2.60	34.10
1882.	1.78	0.10	2.61	3.92	2.33	8.88	8.32	4.90	4.70	7.85	2.48	5.65	53.52
1883.	5.20	1.60	5.90	3.65	5.20	8.81	4.65	5.68	2.00	2.01	1.02	0.58	46.30
1884.	3.93	2.97	3.18	3.13	0.65	10.48	1.88	8.25	5.32	2.00	3.55	5.45	50.79
1885.	7.75	2.20	3.15	1.45	7.29	2.58	4.60	9.62	22.08	9.33	0.45	......	......
1886.	1.55	2.30	4.58	1.15	1.90	5.15	7.20	5.46	4.45	4.68	......	......	......
1895.	4.45	2.93	3.52	4.54	4.78	2.78	......	......	......	......	......	1.00	......
1896.	......	2.33	4.27	0.83	1.60	1.85	4.29	......	......	......	......	......	......
1906.	......	......	0.93	0.53	7.84	15.19	13.14	5.95	1.56	3.78	0.10	1.29	......
1907.	......	......	2.64	5.82	3.66	5.75	3.42	2.12	4.35	0.61	1.31	......	......
1908.	3.66	2.60	......	3.04	4.42	5.00	12.62	3.11	13.34	0.91	1.74	0.71	......
M'ns	3.61	2.30	3.03	3.37	3.75	6.04	6.38	5.16	7.08	4.59	1.76	2.56	49.63

HARRISON, GA., Washington County. Elevation 245 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1898.	......	......	......	......	......	......	......	16.41	0.81	4.76	4.84	2.06	......
1899.	5.74	6.35	2.86	2.63	1.71	2.25	3.83	6.02	0.43	4.00	1.35	2.95	40.12
1900.	1.90	9.08	3.67	3.96	3.69	7.37	3.79	2.88	1.82	3.03	4.45	7.03	52.67
1901.	3.51	3.93	5.51	2.31	5.26	6.22	5.28	6.19	5.58	1.32	1.28	3.64	50.03
1902.	0.62	5.20	8.65	2.07	0.96	2.91	6.62	11.11	2.84	2.39	2.96	2.66	48.99
1903.	4.20	5.65	6.28	3.51	5.44	10.20	3.56	4.88	4.21	2.87	3.61	2.00	56.41
1904.	2.39	4.92	2.25	1.05	3.97	2.92	1.75	7.24	1.18	0.24	3.56	3.84	35.31
1905.	1.98	9.48	3.27	3.45	3.72	2.32	3.45	5.30	2.09	1.30	1.69	7.86	45.91
1906.	3.45	......	3.05	0.34	2.20	4.62	9.32	5.94	1.41	1.83	1.03	3.06	......
1907.	1.22	3.24	1.71	7.23	3.88	4.11	3.65	5.04	6.22	1.35	5.26	7.11	50.02
1908.	7.44	3.22	7.12	10.61	0.75	3.35	4.00	1.54	1.74	1.50	0.46	2.93	44.66
M'ns	3.24	5.67	4.44	3.72	3.16	4.63	4.52	6.61	2.58	2.24	2.77	4.10	47.68

JESUP, GA., Wayne County. Elevation 100 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	0.78	2.10	6.06	5.80	3.65	6.13	5.51	......	......	......
1883.	......	......	......	3.56	3.39	8.72	2.62	9.22	3.14	0.50	......	......	......
1884.	......	......	......	3.86	0.69	9.45	5.62	7.86	2.92	1.00	......	......	......
1885.	......	......	......	......	3.48	8.00	7.41	11.68	12.52	10.02	......	......	......
1886.	......	......	......	1.15	3.44	11.58	9.71	9.97	1.71	1.55	......	......	......
1887.	......	......	......	......	3.35	7.64	7.74	4.29	1.29	3.36	......	......	......
1888.	......	......	......	0.16	6.17	5.34	4.01	11.97	8.19	9.55	......	......	......
1889.	......	......	......	......	0.00	4.50	8.07	9.13	2.18	1.31	0.46	0.00	......
1890.	T.	1.23	2.16	0.77	4.19	4.90	......	......	......	......	......	......	......
1897.	1.03	12.43	4.27	4.74	1.66	8.16	2.95	6.49	9.55	5.43	0.78	2.54	60.03
1898.	0.25	0.38	1.35	2.41	1.83	5.68	8.15	18.13	3.37	7.86	6.43	3.69	59.53
1899.	3.70	6.98	2.20	1.79	2.84	1.51	4.16	4.62	1.24	2.10	0.75	1.68	33.57
1900.	5.08	3.59	3.89	4.47	1.43	5.60	7.35	7.37	2.31	5.33	1.56	3.96	51.94
1901.	4.73	6.19	6.00	2.09	5.57	6.94	8.17	7.24	2.96	1.26	1.19	1.61	53.95
1902.	0.76	4.08	9.41	2.04	1.91	......	......	......	......	5.02	6.89	4.16	......
1903.	3.69	4.14	5.03	1.61	7.96	6.42	2.05	8.96	5.98	3.47	1.79	1.85	52.95
1904.	5.03	2.73	1.42	1.05	1.57	5.58	2.32	6.36	......	......	......	......	......
M'ns	2.70	4.64	3.97	2.18	3.03	6.63	5.74	8.46	4.54	4.22	2.48	2.44	51.03

ST. MARYS, GA., Camden County. Elevation 20 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1870.	......	......	......	......	......	......	......	......	......	......	2.65	3.07	......
1871.	0.80	1.07	6.57	3.00	2.29	15.85	4.49	9.73	11.98	4.78	1.42	2.65	64.63
1872.	3.48	1.91	9.20	0.65	1.50	2.07	1.67	3.34	3.66	6.25	1.70	3.10	39.13
1873.	4.51	0.40	2.63	1.60	4.29	9.60	5.13	6.89	6.45	0.78	6.06	2.58	50.93
1874.	1.17	6.95	1.75	1.77	4.32	3.46	6.78	3.05	7.96	0.00	3.20	0.48	40.89
1875.	4.77	6.19	2.67	2.39	5.06	2.53	2.95	6.91	3.85	2.76	1.75	1.93	43.76
1876.	0.67	2.55	4.61	6.43	2.23	6.38	2.10	4.30	5.80	8.05	0.80	8.00	51.92
1877.	2.95	1.90	3.71	3.75	5.91	11.39	7.65	4.86	4.60	5.40	4.90	3.80	60.82
1878.	3.67	4.98	1.77	4.35	0.30	6.00	6.15	3.75	10.19	2.08	3.61	4.25	51.10
1879.	0.50	3.65	1.29	2.52	......	2.13	......	......	......	......	......	......	......
1880.	2.83	4.80	1.88	1.94	8.40	4.60	3.45	......	......	......	......	......	......
1886.	......	......	......	......	......	......	......	......	6.35	4.05	0.15	4.95	......
1887.	4.45	1.75	4.65	3.75	11.75	6.25	7.20	9.35	9.85	1.20	0.45	3.85	64.50
1888.	1.05	4.30	1.90	......	......	......	......	......	......	......	......	......	......
1902.	0.35	4.16	6.22	1.71	2.09	3.28	6.00	3.89	18.26	10.00	4.02	7.34	67.32
1903.	6.70	5.77	3.37	1.66	18.46	7.29	3.11	5.14	6.34	3.01	1.48	1.76	64.09
1904.	6.92	4.04	1.54	0.60	2.23	7.20	2.04	2.34	9.55	5.80	2.23	0.87	45.36
1905.	2.15	4.13	4.19	2.22	4.83	1.41	4.16	7.09	15.35	8.31	0.79	6.62	61.25
1906.	5.50	3.66	1.02	0.80	6.86	4.34	20.03	5.29	3.10	2.66	0.02	1.00	54.28
1907.	0.11	0.83	0.58	5.67	4.82	4.40	8.50	5.07	6.12	1.78	1.07	4.15	43.10
1908.	2.30	2.96	0.81	5.80	3.96	5.15	13.08	3.61	12.77	0.82	0.36	0.44	52.06
M'ns	2.89	3.47	3.18	2.81	5.25	5.77	6.15	5.29	8.36	3.98	2.04	3.38	52.57

VALONA, GA., McIntosh County. Elevation 12 feet.

(Station name chauged from Crescent to Valona, January, 1900.)

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897.	......	......	......	......	......	3.10	6.80	4.53	5.04	5.50	0.80	3.24	......
1898.	0.35	0.50	1.65	2.58	0.78	3.41	12.58	9.64	4.36	6.36	2.81	4.42	49.44
1899.	4.92	4.56	1.27	1.61	1.12	1.82	7.32	12.00	6.16	1.88	1.68	1.33	45.67
1900.	3.27	4.49	5.27	6.08	4.01	9.68	3.14	1.39	4.55	9.64	3.06	3.86	58.44
1901.	5.31	5.03	4.37	1.90	3.46	7.96	5.89	8.05	2.97	0.79	1.22	1.52	48.47
1902.	0.54	3.40	8.57	2.30	1.10	5.50	6.52	4.50	8.47	14.27	3.91	3.20	62.28
1903.	1.75	6.24	4.88	0.98	10.89	5.72	1.46	13.85	3.01	1.00	2.14	1.84	53.76
1904.	6.03	1.78	1.58	0.52	1.99	6.69	5.07	7.94	4.66	0.80	4.40	0.89	42.35
1905.	1.67	4.87	3.83	1.01	7.95	1.25	8.20	6.32	9.14	1.18	1.60	7.85	54.87
1906.	4.25	3.70	0.92	0.57	7.07	7.60	6.53	6.84	4.44	5.42	0.40	1.16	48.90
1907.	0.47	0.47	1.87	5.68	5.83	5.33	3.84	6.50	4.01	0.21	1.81	3.70	39.72
1908.	4.68	4.11	0.85	3.90	2.60	5.20	11.41	3.26	9.15	0.83	1.35	0.80	48.14
M'ns	3.02	3.56	3.18	2.47	4.25	5.27	6.56	7.07	5.50	3.99	2.10	2.82	47.79

WAYCROSS, GA., Ware County. Elevation 131 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	......	4.71	10.63	11.37	9.39	......	......	......	......	......
1883.	......	......	......	0.70	0.46	0.89	1.30	0.33	0.13	0.15	......	......	......
1884.	......	......	......	4.17	2.53	7.97	4.36	10.12	2.60	0.70	......	......	......
1885.	......	......	......	......	5.15	4.35	7.55	8.89	16.13	3.60	......	......	......
1886.	......	......	......	1.75	3.88	8.91	4.31	5.69	5.17	1.22	......	......	......
1887.	......	......	......	......	3.93	4.43	5.18	8.70	1.60	2.41	......	......	......
1888.	......	......	......	......	3.84	0.81	0.50	......	......	7.49	......	......	......
1889.	......	......	......	......	0.01	7.72	5.83	5.01	1.40	......	0.40	......	......
1890.	......	......	......	......	6.12	2.10	3.43	1.50	3.38	2.17	0.30	......	......
1891.	......	......	......	......	0.38	2.63	3.80	5.45	0.82	1.98	0.42	......	......
1892.	......	......	......	......	0.90	5.27	3.31	9.98	7.51	0.32	0.00	......	......
1893.	......	......	......	......	1.22	5.53	8.10	5.09	3.34	4.31	1.67	......	......
1894.	......	......	......	......	1.71	4.55	10.84	11.54	6.53	2.99	3.35	......	......
1895.	......	......	......	......	3.99	3.87	8.97	7.57	2.18	0.88	......	......	......
1896.	......	......	......	......	1.91	5.24	10.81	3.30	1.83	......	......	......	......
1897.	......	......	......	......	3.39	4.04	3.45	2.44	7.48	......	......	3.00	......
1898.	0.35	0.61	1.58	2.17	1.00	2.50	10.81	9.55	5.01	7.26	......	......	......
1899.	5.45	6.66	1.10	2.20	2.85	4.37	4.05	6.23	2.47	1.39	......	1.07	......
1900.	4.60	3.51	6.26	5.50	2.45	7.05	8.06	1.70	4.39	2.83	2.96	2.76	52.07
1901.	4.53	4.01	4.22	1.49	4.41	9.87	2.90	8.18	3.76	4.08	0.60	1.63	49.68
1902.	0.92	4.32	9.02	2.63	6.65	9.59	8.36	4.45	8.92	5.07	3.62	3.00	64.55
1903.	3.58	3.63	4.11	1.32	7.30	5.44	5.46	9.15	8.98	3.16	1.41	1.75	55.29
1904.	5.13	1.84	1.49	2.17	3.49	8.52	5.29	8.07	3.04	0.28	3.34	1.28	43.94
1905.	2.39	6.31	4.26	1.96	2.72	3.19	4.17	6.05	3.08	1.64	1.09	7.55	44.41
1906.	3.74	4.02	1.44	0.01	8.40	8.07	9.01	4.66	1.81	1.77	0.52	0.34	43.79
1907.	0.65	1.33	2.01	4.08	4.23	7.52	3.59	8.12	4.67	0.25	2.00	5.95	44.40
1908.	3.53	5.33	0.61	3.79	4.83	5.93	6.03	1.71	4.98	1.48	0.98	1.45	40.65
M'ns	3.19	3.78	3.28	2.42	3.42	5.59	5.95	6.19	4.45	2.50	1.51	2.71	44.99

OGEECHEE VALLEY GROUP.

BRAG, GA., Bulloch County. Elevation —— feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893.	3.61	4.96	3.34	2.14	4.68	9.09	3.87	13.41	5.38	3.20	2.90	4.48	61.06
1894.	......	4.43	2.90	1.48	7.03	2.75	10.40	8.25	9.62	3.55	1.13	0.64	......
1895.	9.43	4.49	4.44	7.46	2.88	3.95	2.95	11.27	2.14	......	......	0.93	......
1896.	3.35	6.36	1.72	0.63	1.36	6.58	4.09	6.60	1.30	0.57	2.46	6.86	41.88
1897.	2.06	8.63	9.37	2.20	......	7.47	4.84	5.32	......	......	0.28	2.39	......
1898.	0.23	0.80	1.15	5.19	1.83	3.14	14.64	23.02	......	......	......	......	......
1899.	......	......	1.00	1.82	......	......	......	6.02	......	......	......	......	......
M'ns	3.74	4.94	3.42	2.99	3.56	5.50	6.80	10.56	4.61	2.44	1.69	3.10	53.35

CAMAK, GA., Warren County. Elevation 613 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1884.	......	......	......	......	......	5.44	2.62	2.04	0.64	0.27	......	......	......
1885.	......	......	......	......	6.04	5.22	2.63	3.48	7.35	5.27	......	......	......
1886.	......	......	......	0.56	4.39	6.12	4.90	4.64	1.40	0.10	......	......	......
1887.	......	......	......	......	1.96	4.98	13.46	2.92	1.64	6.84	......	......	......
1888.	......	......	......	0.56	8.96	2.73	3.68	3.80	16.92	3.50	......	......	......
1889.	......	......	......	......	0.75	5.67	7.08	3.13	2.10	1.69	4.79	......	......
1890.	......	......	......	......	5.44	4.62	12.67	2.62	7.62	5.40	0.12	......	......
1891.	......	......	......	......	4.05	2.50	1.70	8.41	1.46	0.41	2.88	......	......
1892.	......	......	......	0.03	1.03	4.72	4.53	3.87	5.60	0.54	1.40	2.27	......
1893.	3.53	4.78	2.91	1.41	3.40	5.47	3.98	5.01	7.83	3.00	1.54	......	......
1894.	......	......	......	......	3.54	2.63	8.20	5.79	3.15	4.50	2.48	......	......

CAMAK, GA., Warren County. Elevation 613 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895.	7.53	2.76	8.44	......	4.71	2.32	8.34	13.43	1.64	0.87	......	......	......
1896.	......	......	......	......	2.32	5.15	10.63	2.89	3.10	......	......	......	......
1897.	......	......	......	3.50	2.10	3.60	3.42	4.89	4.33	1.22	......	......	......
1898.	......	......	......	......	0.47	4.02	7.01	4.41	5.30	3.63	......	......	......
1899.	......	......	......	......	0.79	0.65	1.88	6.26	2.32	5.92	......	......	......
1900.	......	......	......	......	2.66	7.39	5.00	2.45	2.07	3.47	......	......	......
1901.	......	......	......	......	5.53	6.93	3.43	3.22	8.33	1.08	0.35	5.72	......
1902.	1.00	8.77	6.78	2.41	1.12	4.67	1.20	0.90	1.55	3.69	2.49	3.17	37.75
1903.	2.77	10.26	6.64	2.96	4.30	4.02	1.78	1.70	4.19	2.26	1.91	1.27	44.06
1904.	2.60	2.57	2.98	0.45	2.24	3.54	2.77	6.73	3.85	0.20	2.55	3.50	32.98
1905.	1.86	6.04	1.96	5.35	2.85	1.63	4.54	4.78	1.94	1.75	0.70	10.87	44.27
1906.	6.40	2.44	4.46	1.06	3.00	9.30	6.92	4.66	3.17	2.19	1.18	2.51	47.29
1907.	1.47	3.84	1.45	4.22	4.17	4.63	3.50	2.71	6.31	0.40	8.02	7.40	48.12
1908.	4.73	6.41	3.00	7.31	1.71	3.87	5.13	5.23	2.56	2.17	1.30	3.24	46.66
M'ns	3.54	5.32	4.29	2.48	3.23	4.47	5.24	4.40	4.25	2.52	2.26	4.44	46.44

FLEMING, GA., Liberty County. Elevation 26 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	......	0.11	0.43	8.79	5.14	12.31	12.46	......	......	......	......
1893.	......	3.88	4.06	2.48	3.09	9.48	4.22	8.97	5.11	2.45	0.64	4.53	......
1894.	0.93	4.63	2.52	2.12	2.12	3.05	11.96	11.45	7.62	......	......	0.59	......
1895.	7.05	4.00	5.94	7.00	4.12	3.20	......	7.24	2.66	1.64	3.63	2.07	......
1896.	3.75	3.11	3.32	0.25	6.16	7.21	4.56	5.49	3.25	1.29	5.63	7.62	51.64
1897.	1.36	9.90	4.03	3.78	0.57	5.76	5.37	9.77	11.24	8.60	T.	2.75	63.13
1898.	0.40	0.38	1.15	3.34	1.10	6.94	11.11	28.60	5.18	5.01	5.37	3.40	71.98
1899.	4.10	5.82	1.84	1.95	0.89	3.22	4.45	9.76	5.80	4.26	1.75	1.53	45.37
1900.	3.90	3.77	4.30	7.15	5.35	7.18	4.06	1.51	6.12	6.45	1.83	4.26	55.88
1901.	4.62	5.40	4.47	2.22	3.98	8.89	8.43	6.76	2.98	0.86	1.31	1.52	51.44
1902.	0.65	2.37	8.54	1.65	3.54	6.79	7.12	3.42	5.45	6.45	5.78	4.87	56.63
1903.	3.68	5.20	5.66	2.11	7.24	8.36	3.10	9.10	6.07	3.05	1.00	1.78	56.35
1904.	3.90	3.08	1.62	1.16	2.31	6.39	5.68	9.43	4.62	0.21	4.66	1.40	44.46
1905.	3.14	6.24	4.36	1.06	5.62	3.47	11.06	4.84	4.99	1.38	1.53	7.73	55.42
1906.	4.55	2.65	2.83	0.70	10.59	11.89	10.42	3.85	9.83	2.53	0.44	2.58	62.86
1907.	0.45	1.80	0.96	5.75	4.12	12.60	8.94	5.09	6.12	0.29	1.83	5.31	53.26
M'ns	3.03	4.15	3.71	2.68	3.83	7.08	7.04	8.60	6.22	3.18	2.53	3.46	55.51

LOUISVILLE, GA., Jefferson County. Elevation 259 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878.	......	......	......	2.20	2.80	3.78	3.20	6.75	5.70	......	......	......	......
1890.	......	1.98	2.91	1.93	8.40	1.90	8.24	1.46	6.87	5.16	......	......	......
1891.	2.45	4.61	4.70	0.25	1.01	......	......	......	......	......	2.50	3.23	......
1892.	7.67	3.50	5.50	0.30	3.44	6.39	3.50	4.37	5.59	0.20	1.56	1.88	43.90
1893.	3.70	5.63	3.18	1.34	5.37	7.32	4.58	8.16	5.23	5.09	......	3.35	......
1894.	2.13	6.91	3.64	......	......	......	11.96	4.67	3.67	3.28	2.27	2.64	......
1895.	8.79	3.34	7.64	3.90	4.05	3.22	3.56	7.32	0.86	0.55	1.03	3.10	47.36
1896.	3.31	8.39	2.25	......	......	......	......	......	......	0.64	2.86	5.02	......
1897.	2.28	9.11	10.77	3.39	1.39	......	4.55	4.10	3.37	0.38	0.59	0.62	......
1898.	1.63	0.63	1.33	6.64	0.43	1.77	5.85	8.42	5.93	5.89	5.15	1.87	45.54
1899.	......	......	3.30	......	1.60	......	5.09	5.19	1.91	......	2.68	2.48	......
1900.	1.93	7.24	......	4.75	1.55	......	......	......	......	......	......	......	......
1901.	......	4.01	5.01	3.52	5.75	6.06	......	......	4.33	1.89	0.93	3.86	......
1902.	1.58	4.26	7.28	2.31	3.62	3.13	7.32	4.44	1.96	3.80	2.78	2.81	45.29
1903.	2.52	5.78	6.11	2.23	10.10	3.20	2.57	4.64	2.19	2.02	2.39	2.21	45.96
1904.	1.90	3.76	3.13	0.88	3.00	4.09	2.62	10.12	0.43	0.46	3.16	2.76	36.31
1905.	2.09	7.79	3.13	4.94	4.26	2.85	4.33	3.97	0.54	2.10	1.45	8.03	45.48
1906.	3.67	2.67	3.26	1.12	2.95	9.18	8.15	7.22	3.29	1.28	1.08	2.81	46.68
1907.	1.39	3.88	1.65	5.05	4.33	5.79	5.60	1.35	7.90	1.15	5.49	5.88	49.46
1908.	7.13	4.35	6.31	10.56	1.60	6.83	2.11	3.92	2.39	2.47	1.03	2.33	51.03
M'ns	3.39	4.88	4.51	3.25	3.65	4.68	5.20	5.38	3.66	2.27	2.31	3.23	46.41

MILLEN, GA., Jenkins County. Elevation 158 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	3.73	1.59	3.82	2.06	6.93	8.00	2.16	......	......	......
1883.	......	......	......	3.88	2.76	7.12	0.81	3.50	3.67	0.26	......	......	......
1884.	......	......	......	4.65	2.11	5.99	5.77	3.12	3.18	0.07	......	......	......
1885.	......	......	......	......	3.12	4.86	5.56	6.87	3.98	3.39	......	......	......
1886.	......	......	......	1.14	2.32	11.69	6.11	3.31	1.42	0.03	......	......	......
1887.	......	......	......	......	0.98	2.01	12.71	5.05	0.66	8.70	......	......	......
1888.	......	......	......	0.70	7.63	5.62	3.05	5.10	10.98	5.40	......	......	......
1889.	......	......	......	......	2.04	5.17	6.84	6.70	2.47	1.72	1.53	......	......
1890.	0.97	1.75	3.55	1.57	5.97	5.07	6.32	2.14	7.73	4.00	0.81	2.00	41.88
1891.	......	......	......	......	3.62	5.68	6.17	7.89	0.98	1.48	1.77	2.64	......
1892.	5.66	2.15	4.70	0.59	2.96	11.25	4.93	6.00	9.56	0.59	3.19	2.54	54.12
1893.	3.13	5.51	2.27	0.83	4.19	5.45	4.15	6.37	2.74	3.74	2.50	3.73	44.61
1894.	1.24	6.85	2.50	1.09	0.80	4.99	12.92	10.48	4.71	5.27	1.85	......	......
1895.	9.19	3.75	6.02	2.49	5.52	5.31	5.45	9.38	1.62	0.26	1.79	2.87	53.65
1896.	3.05	8.14	2.69	......	2.81	3.49	2.44	2.65	0.84	0.68	3.02	......	......
1897.	1.82	8.91	7.29	......	4.61	3.84	5.37	2.72	3.53	1.63	2.11	1.56	......
1898.	......	......	1.15	5.48	0.85	3.73	11.76	8.89	9.14	7.11	3.21	3.06	......
1899.	5.01	5.84	2.82	2.62	0.66	3.74	3.35	3.54	1.16	3.78	......	......	......
1900.	......	......	......	......	2.59	4.85	6.48	3.05	1.87	3.89	2.80	7.39	......
1901.	3.16	5.01	6.37	4.27	4.60	10.03	6.40	5.67	7.79	0.21	1.14	5.07	54.72
1602.	T.	3.96	5.15	2.70	1.90	4.60	6.22	2.25	0.59	5.46	2.34	3.38	38.55
1903.	1.34	3.33	3.43	0.57	5.49	5.31	5.61	4.24	3.34	1.52	1.44	1.29	36.91
1904.	2.78	2.98	4.17	1.25	1.74	1.61	3.41	8.05	1.33	0.48	3.27	2.11	33.18
1905.	1.70	6.35	2.96	5.02	1.93	2.35	5.60	3.08	1.62	1.57	1.80	5.85	39.83
1906.	3.96	2.28	2.19	1.37	3.22	5.80	10.53	3.67	2.32	1.77	0.55	2.00	39.66
1907.	1.10	......	0.81	5.60	5.07	3.79	8.19	3.65	5.63	1.03	3.15	4.70	......
1908.	4.75	4.90	5.30	......	0.95	4.76	4.01	4.18	3.30	2.94	0.50	3.45	......
M'ns	3.05	4.78	3.73	2.61	3.06	5.26	6.01	5.13	3.67	2.56	2.04	3.35	45.25

SAVANNAH VALLEY GROUP.

ALLENDALE, S. C., Barnwell County. Elevation 186 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882.	......	......	......	2.73	1.48	1.06	1.16	0.46	0.55	......	......	......	......
1883.	......	......	......	3.96	4.17	11.33	0.39	1.82	0.53	1.55	......	......	......
1884.	......	......	......	4.53	2.40	4.86	3.97	5.49	4.19	0.00	......	......	......
1885.	......	......	......	......	5.77	4.12	6.49	4.58	5.24	3.85	......	......	......
1886.	......	......	......	0.12	4.32	7.89	5.82	8.36	3.03	0.00	......	......	......
1887.	......	......	......	......	2.02	3.02	9.42	2.45	0.12	6.76	......	......	......
1888.	......	......	......	1.77	6.75	2.95	1.50	5.10	10.44	7.83	0.94	2.22	......
1889.	3.61	4.82	3.80	2.61	2.35	5.02	6.16	2.65	2.81	1.33	2.45	0.46	38.07
1890.	1.01	0.58	3.83	0.77	4.57	2.65	7.46	3.24	8.62	3.38	0.91	2.00	39.02
1891.	0.81	3.06	3.90	1.25	4.02	4.22	8.08	10.11	0.83	1.85	2.37	2.03	42.53
1892.	4.94	3.48	3.71	......	2.73	4.11	5.90	3.62	8.94	0.35	0.95	......	......
1893.	......	......	......	......	6.84	8.61	3.29	12.71	1.10	3.14	1.52	......	......
1894.	......	......	......	......	2.68	5.53	11.39	4.92	8.24	3.85	0.92	......	......
1895.	......	......	......	1.65	5.72	1.94	4.97	11.18	1.32	0.09	1.99	......	......
1896.	3.36	7.40	4.19	1.40	1.50	3.66	6.27	6.24	2.53	0.38	2.50	5.12	44.55
1897.	2.00	8.15	3.29	2.66	2.65	4.86	5.05	5.90	3.89	1.78	0.80	2.20	43.23
1898.	1.00	0.60	1.36	5.33	1.07	4.47	9.40	17.90	9.02	3.85	5.80	3.08	62.88
1899.	4.66	3.23	2.05	2.21	0.78	3.18	3.12	16.59	0.95	4.78	3.21	2.40	47.16
1900.	2.20	4.74	3.65	3.78	3.02	7.06	4.97	0.28	3.94	1.90	2.05	2.98	40.57
1901.	2.90	3.25	3.60	2.90	9.05	4.97	3.87	6.75	2.17	0.62	0.40	2.60	43.08
1902.	1.75	3.80	4.28	1.92	2.26	7.35	6.66	3.35	1.75	5.33	2.25	3.75	44.45
1903.	5.99	7.56	7.90	2.60	5.21	8.14	7.46	4.83	6.19	2.24	1.11	1.47	60.70
1904.	3.30	1.95	4.75	0.60	0.60	1.42	7.02	8.94	2.30	1.27	1.55	1.60	35.50
1905.	1.00	6.73	3.00	3.28	5.21	3.28	6.01	5.38	0.78	1.28	1.10	7.49	44.54
1906.	5.35	2.36	3.65	0.94	2.32	15.03	6.25	2.00	2.55	1.25	1.00	2.25	44.95
1907.	0.84	3.95	0.65	4.39	6.50	7.01	5.33	4.57	9.18	0.76	2.75	3.70	49.63
1908.	5.97	3.87	3.80	5.08	2.32	2.39	4.86	5.08	1.53	2.10	0.94	1.88	39.82
M'ns	2.98	4.09	3.61	2.59	3.72	5.35	5.63	6.15	3.61	2.37	1.93	2.65	44.68

AUGUSTA, GA., Richmond County. Elevation 180 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1844.	......	......	......	......	0.57	1.41	1.24	0.53	2.34	0.27	1.88	1.76	......
1845.	1.90	0.62	0.78	0.05	1.07	1.20	0.35	2.62	0.53	3.51	0.50	6.00	19.13
1846.	3.59	4.25	8.60	2.89	......	......	......	......	......	......	......	......	......
1859.	2.70	......	5.49	2.71	2.32	3.52	4.29	8.33	6.43	0.64	2.13	5.15	......
1869.	3.88	6.25	3.22	2.00	2.13	4.45	4.97	1.99	3.71	0.77	3.00	6.51	42.88
1870.	5.49	3.09	6.81	2.52	2.40	4.29	3.78	3.23	1.25	5.29	1.84	4.27	44.26
1871.	2.74	5.27	3.13	4.00	3.61	2.73	5.26	5.94	5.52	1.62	7.78	5.98	53.58
1872.	4.19	5.92	10.88	2.95	5.36	5.17	6.47	4.16	1.33	1.50	3.76	3.48	55.17
1873.	5.03	4.16	3.65	2.00	8.63	3.12	3.34	5.36	3.27	2.58	4.70	2.66	48.50
1874.	3.44	7.22	7.78	6.23	3.88	3.29	5.35	6.81	5.85	1.69	2.21	4.04	57.19
1875.	6.77	5.11	11.88	4.71	1.10	6.59	2.35	5.14	3.12	1.06	3.30	3.55	54.68
1876.	1.20	2.98	2.96	4.72	1.97	7.96	6.26	3.66	2.56	3.18	3.54	5.17	46.16
1877.	4.76	4.30	5.98	5.63	1.18	6.67	1.85	5.25	4.09	4.98	6.06	3.22	53.97
1878.	4.19	2.24	0.75	2.37	3.63	3.41	5.85	5.46	8.83	1.39	3.81	4.41	46.34
1879.	2.74	1.79	2.46	5.53	0.84	1.21	6.48	4.75	4.46	2.76	3.85	4.12	40.99
1880.	4.28	3.37	6.43	5.72	2.98	1.54	5.98	5.10	1.04	2.03	5.31	4.13	47.91
1881.	8.69	3.98	7.54	4.71	1.35	2.11	3.46	4.82	7.01	2.33	3.81	4.96	54.77
1882.	3.39	3.95	6.80	4.77	3.70	4.12	3.86	4.72	3.22	2.78	3.86	4.45	49.62
1883.	7.00	1.49	3.17	6.29	2.47	5.85	2.21	2.16	1.25	1.69	3.73	2.59	39.90
1884.	4.34	3.98	6.97	5.68	3.21	4.34	3.25	4.36	4.24	0.83	1.71	4.19	45.10
1885.	7.55	3.24	1.85	1.68	5.86	2.80	3.69	3.38	2.78	4.15	1.55	2.14	40.67
1886.	3.69	1.70	7.42	1.86	6.29	9.65	7.51	2.29	0.65	0.14	1.29	3.55	46.04
1887.	3.87	2.95	0.64	2.77	1.61	4.79	8.83	6.83	0.81	6.58	0.77	4.64	45.09
1888.	4.25	4.54	7.79	0.87	4.59	1.78	1.79	3.85	7.66	6.37	2.34	4.05	49.88
1889.	6.92	5.78	2.72	2.71	1.02	4.02	10.10	8.68	2.43	1.59	2.73	0.55	49.25
1890.	0.80	1.88	3.05	2.33	5.28	3.70	9.16	2.26	8.91	3.96	0.47	1.18	42.98
1891.	3.29	3.71	8.44	0.71	4.57	4.47	6.41	8.10	2.15	0.59	2.56	2.76	47.76
1892.	7.75	2.96	4.55	1.34	2.95	4.83	4.13	2.46	5.49	0.27	1.32	1.22	39.27
1893.	2.92	5.26	2.81	0.97	3.22	7.71	3.51	8.18	4.29	4.56	1.98	3.50	48.91
1894.	1.68	7.09	2.04	2.17	3.49	9.12	9.99	7.39	5.26	3.34	1.82	2.15	55.54
1895.	6.35	4.02	8.06	5.18	3.34	3.98	4.31	8.45	1.98	0.67	2.01	3.75	52.10
1896.	3.58	6.77	1.41	2.71	3.09	3.61	9.89	3.31	1.71	0.40	3.74	3.23	43.45
1897.	3.24	8.57	4.72	3.75	2.22	3.56	6.10	10.39	3.66	2.62	1.02	1.98	51.83
1898.	1.72	0.53	3.14	4.96	0.52	3.92	6.70	9.25	2.92	2.84	5.10	2.39	43.99
1899.	5.76	10.03	3.18	1.70	2.02	4.57	3.74	6.17	2.81	4.46	2.50	1.80	48.74
1900.	1.65	6.42	3.82	7.59	2.01	8.25	2.84	4.42	2.32	2.63	2.52	6.75	51.22
1901.	4.59	4.16	5.60	3.86	5.29	3.71	3.44	8.68	5.03	1.61	1.09	3.88	50.94
1902.	1.60	6.02	5.40	2.71	3.54	4.55	2.00	4.47	2.33	2.99	2.75	3.43	41.79
1903.	3.41	7.46	5.95	3.83	3.69	5.35	2.02	8.98	4.48	1.82	3.20	1.64	51.83
1904.	2.61	3.05	4.04	1.16	0.99	1.47	3.23	6.62	1.42	0.26	2.21	2.48	29.54
1905.	1.73	7.04	1.87	4.50	2.63	3.72	3.11	5.18	0.53	1.00	1.53	8.08	40.92
1906.	2.76	2.12	4.33	0.97	4.01	7.96	14.00	6.16	6.92	1.26	0.95	2.47	53.91
1907.	0.87	3.69	1.18	3.82	5.33	3.58	3.47	3.92	3.88	0.52	3.84	4.83	38.93
1908.	7.23	3.75	3.89	5.41	0.91	6.91	1.19	5.91	2.44	3.06	1.59	2.33	44.62
M'ns	3.98	4.35	4.73	3.39	3.04	4.44	4.83	5.34	4.22	2.28	2.73	3.61	46.94

BOWERSVILLE, GA., Hart County. Elevation 934 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901.	......	......	......	6.75	6.77	4.83	3.90	17.14	4.87	0.90	0.48	7.78	......
1902.	4.11	8.59	6.05	1.72	2.65	2.39	3.78	5.72	3.33	3.21	3.36	4.27	49.18
1903.	4.26	9.57	6.70	3.35	2.94	3.63	3.59	7.22	2.25	1.11	1.65	1.53	47.80
1904.	2.08	2.75	3.68	1.91	2.43	4.02	3.16	4.41	1.25	0.22	2.79	4.04	32.74
1905.	2.38	3.50	1.18	2.00	7.10	2.93	5.48	2.83	1.85	2.09	2.35	8.05	41.74
1906.	11.14	1.43	8.67	1.75	4.22	3.95	6.72	6.32	......	......	......	......	......
1907.	......	......	......	......	......	2.11	3.88	......	......	......	......	......	......
M'ns	4.79	5.17	5.26	2.91	4.35	3.41	4.36	7.27	2.71	1.51	2.13	5.13	49.00

CLAYTON, GA., Rabun County. Elevation 2,100 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893.	......	......	......	......	......	......	......	......	......	0.01	2.49	2.56	......
1894.	5.70	6.53	2.48	2.66	2.52	2.31	7.29	2.99	1.98	2.95	0.66	8.19	46.26
1895.	10.49	2.78	6.99	10.40	6.63	2.38	6.91	11.24	0.22	2.41	2.75	5.63	68.83
1896.	5.20	5.82	3.09	2.23	3.70	4.63	11.11	1.67	9.59	2.87	11.89	0.86	62.66
1897.	5.05	9.46	9.36	11.65	1.46	5.35	9.07	1.63	0.47	3.82	3.99	6.00	67.31
1898.	5.95	1.50	8.52	5.82	2.03	2.59	14.39	11.40	11.34	14.52	5.41	4.39	87.86
1899.	5.51	10.10	10.29	5.19	1.98	3.12	7.42	7.28	2.28	3.95	2.13	5.84	65.09
1900.	5.64	10.82	6.16	7.82	2.07	13.51	5.32	3.27	6.69	6.28	3.76	5.98	77.32
1901.	5.09	3.10	8.53	10.61	3.71	5.64	1.62	22.07	4.01	1.90	1.05	13.35	80.68
1902.	3.25	9.63	7.81	1.57	3.77	2.16	4.57	2.41	9.69	3.08	5.60	8.09	61.63
1903.	4.73	14.41	14.81	5.25	3.87	11.14	2.60	7.71	2.84	2.76	2.89	2.17	75.18
1904.	3.71	5.47	6.64	2.85	4.14	4.63	3.49	10.13	0.70	0.08	2.61	4.97	49.72
1905.	5.86	6.80	2.92	3.81	6.98	7.85	13.13	7.92	1.70	4.57	0.96	10.35	72.85
1906.	10.98	1.65	10.36	3.01	2.84	5.63	14.50	10.84	13.72	6.12	4.20	7.70	91.55
1907.	0.96	4.50	3.44	4.92	4.51	5.28	6.15	4.17	8.92	1.73	8.77	10.21	63.56
1908.	6.46	8.29	5.99	9.32	3.90	5.49	8.32	10.24	1.70	6.86	2.04	8.71	77.32
M'ns	5.64	6.73	7.15	5.81	3.63	5.31	7.73	7.66	5.06	3.99	3.82	6.56	69.09

CALHOUN FALLS, S. C., Abbeville County. Elevation 508 feet.

(Values from January, 1892, to February, 1899, are from Mount Carmel.)

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	9.00*	3.68	5.22	3.20	1.12	9.87	5.13	1.43	4.74	0.31	2.63	3.06	46.89
1893	2.24	6.97	1.71	1.98	2.98	4.74	4.66	7.26	4.93	3.25	1.75	1.91	44.38
1894.	3.44	3.85	1.52	1.78	2.75	4.13	8.82	7.78	3.57	5.31	3.12	4.39	50.46
1895.	6.83	1.98	7.02	4.87	4.41	1.69	3.15	11.33	0.35	0.74	2.11	4.41	48.89
1896.	3.81	5.79	2.40	2.46	2.55	2.09	10.27	4.26	2.53	2.37	8.17	4.63	51.33
1897.	3.93	7.93	4.39	5.50	2.97	1.82	4.86	6.38	2.78	1.87	2.43	1.56	46.42
1898.	2.54	0.43	4.22	5.05	0.98	2.77	8.93	8.30	10.64	6.13	3.78	3.41	57.18
1899.	5.83	9.83	3.97	1.07	2.39	2.75	4.22	6.65	3.11	4.23	1.68	3.29	49.02
1900.	2.52	7.81	6.39	7.11	3.04	10.79	3.13	0.86	3.55	6.61	3.55	5.55	60.91
1901.	5.54	3.31	5.88	7.13	9.17	5.84	2.09	13.84	5.16	1.14	0.99	7.16	66.89
1902.	3.49	7.20	6.20	1.49	1.03	4.25	1.85	3.04	6.26	3.38	1.70	5.82	45.71
1903.	2.53	9.27	6.93	1.82	1.74	7.77	3.61	1.10	2.19	0.86	0.46	1.41	39.69
1904.	1.59	3.72	2.49	1.44	3.34	1.29	3.92	5.75	0.70	0.52	2.49	2.54	29.84
1905.	3.60	4.27	1.48	1.90	8.12	0.66	14.29	2.93	1.76	1.53	1.26	5.45	47.25
1906.	7.80	2.53	8.93	2.84	5.50	7.69	6.89	8.08	9.06	3.06	1.41	2.55	66.41
1907.	0.55	3.86	2.69	3.40	3.57	4.10	3.73	3.29	4.25	0.58	5.97	7.84	43.83
1908.	5.00	6.29	3.18	7.90	2.17	5.48	4.70	12.60	4.13	4.83	1.34	3.08	60.70
M'ns	4.13	5.22	4.39	3.58	3.40	4.57	5.54	6.17	4.10	2.81	2.64	4.00	50.55

CARLTON, GA., Madison County. Elevation 557 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899.	......	......	4.35	1.73	1.64	1.10	4.63	4.09	1.49	3.63	2.32	3.02	......
1900.	1.47	7.86	4.71	5.50	4.36	13.38	1.87	......	4.28	3.36	3.46	4.09	......
1901.	3.67	3.17	4.70	4.44	5.43	4.63	3.93	12.23	7.57	0.40	0.63	6.17	56.97
1902.	1.82	9.08	6.50	1.68	1.98	3.41	1.70	4.05	5.48	2.48	2.13	5.42	45.73
1903.	3.05	9.46	7.69	2.07	2.09	7.99	7.20	4.10	2.98	1.52	1.24	1.83	51.22
1904.	3.05	5.82	2.64	2.48	1.85	3.60	3.70	5.36	0.93	0.57	2.56	4.05	36.61
1905.	2.03	5.76	1.45	2.91	6.56	2.58	5.34	3.35	0.85	1.97	1.84	9.44	44.08
1906.	7.44	1.42	8.44	2.25	4.78	5.03	8.59	4.84	6.28	2.53	1.02	3.57	56.19
1907.	0.64	4.41	2.02	4.34	2.47	6.56	2.73	2.25	6.04	0.54	7.04	6.36	45.40
1908.	2.29	7.00	4.27	5.54	1.57	3.03	6.45	20.18	1.60	4.67	1.71	4.34	62.65
M'ns	2.83	6.00	4.68	3.29	3.27	5.13	4.61	6.72	3.75	2.17	2.40	5.33	50.18

CLEMSON COLLEGE, S. C., Oconee County. Elevation 850 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	5.08	5.03	3.13	2.94	2.10	10.55	6.98	4.41	5.13	0.51	4.45	3.08	53.39
1893.	2.00	8.13	2.24	2.35	3.43	6.41	1.85	5.13	4.17	3.73	1.67	1.63	42.74
1894.	5.73	5.32	2.80	1.84	3.06	4.71	6.21	3.94	2.74	3.10	0.81	6.46	46.44
1895.	8.21	2.09	5.96	5.52	4.31	4.99	1.30	7.22	0.13	1.22	2.77	4.77	48.49
1896.	4.19	5.19	1.69	0.92	4.67	1.94	11.28	1.02	9.21	1.88	7.55	1.59	51.13
1897.	3.72	6.63	6.15	4.27	0.81	2.68	2.75	2.44	1.52	4.23	3.61	2.96	41.77
1898.	3.45	0.97	3.20	3.63	0.85	1.71	10.31	7.91	5.52	5.94	3.01	3.68	50.18
1899.	5.61	7.93	8.02	2.70	2.26	3.52	4.00	3.00	1.44	3.35	2.35	3.43	46.61
1900.	2.80	10.02	5.52	7.39	2.12	14.29	2.59	3.43	2.64	3.81	2.33	3.99	60.93
1901.	5.32	3.77	6.18	6.69	7.16	7.92	2.56	13.17	6.83	0.30	0.75	9.50	70.15
1902.	4.14	9.44	4.70	1.47	1.42	4.28	4.66	3.17	5.42	3.14	4.43	5.22	51.49
1903.	5.21	12.48	8.21	4.17	0.60	4.01	2.26	4.41	1.88	1.60	2.43	2.10	49.36
1904.	3.84	3.87	4.77	1.61	2.08	3.82	1.44	9.48	1.89	0.00	2.41	3.56	38.77
1905.	3.62	4.90	1.22	2.79	8.65	1.07	7.29	7.20	1.66	3.51	1.49	10.09	53.49
1906.	11.65	1.08	8.02	1.89	2.74	5.67	17.77	7.35	8.82	4.11	1.66	5.97	76.73
1907.	1.16	3.62	3.11	4.67	4.29	2.22	2.41	4.74	3.26	1.58	4.85	7.45	43.36
1908.	7.53	5.43	5.24	6.17	1.58	4.84	6.64	7.37	1.82	5.61	1.66	5.90	59.79
M'ns	4.90	5.66	4.72	3.59	3.01	3.98	5.41	5.61	3.77	2.80	2.90	4.79	51.14

ELBERTON, GA., Elbert County. Elevation 710 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891.	7.50*	2.86	9.79	2.10	2.54	1.07	8.27	5.64	1.82	0.32	3.37	3.33	48.61
1892.	11.94	3.54	4.81	4.17	0.55	7.49	4.30	3.59	3.70	0.50	3.67	4.04	52.30
1893.	1.80	7.94	2.85	2.27	3.88	7.81	5.36	5.28	3.66	2.38	1.59	1.93	46.75
1894.	5.27	5.38	2.64	1.86	2.08	1.92	6.33	2.38	2.73	6.33	1.25	5.28	43.35
1895.	7.09	1.73	7.53	4.82	3.57	3.50	3.72	9.56	1.36	0.68	2.98	3.94	50.48
1896.	5.45	4.91	3.41	2.23	2.10	2.79	7.46	1.44	2.13	2.27	5.61	2.82	42.62
1897.	4.06	6.43	7.94	5.02	1.01	5.66	5.33	4.07	1.45	2.80	1.65	3.35	48.77
1898.	2.90	1.14	4.50	5.35	3.66	2.37	7.72	12.15	5.63	7.10	4.76	2.82	60.10
1899.	7.01	8.83	4.42	1.77	0.79	2.42	3.35	3.17	0.99	4.55	2.35	3.28	42.93

* Interpolated.

ELBERTON, GA., Elbert County. Elevation 710 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Annual.
1900.	2.13	9.10	5.74	5.31	5.44	10.72	3.14	0.85	3.19	6.61	3.57	5.32	61.12
1901.	4.16	3.75	4.99	5.79	5.99	4.23	6.08	15.41	7.51	0.85	0.74	7.18	66.68
1902.	2.96	9.94	6.53	1.77	1.87	2.08	3.06	3.22	4.45	2.60	3.10	4.71	46.29
1903.	3.37	9.51	6.26	2.02	2.12	7.65	3.27	4.02	2.99	1.32	0.55	1.76	44.84
1904.	3.37	5.54	3.38	2.55	1.83	5.18	5.70	6.75	1.36	0.62	2.78	4.37	43.43
1905.	2.31	5.52	1.80	3.52	6.25	1.74	6.10	3.88	1.03	1.74	2.40	9.49	45.78
1906.	8.24	1.60	8.17	3.18	3.72	5.57	8.44	3.18	6.74	2.14	1.32	3.83	56.13
1907.	0.74	4.75	1.84	3.88	2.63	5.32	4.81	1.73	6.32	0.51	7.62	7.90	48.05
1908.	4.52	6.82	4.97	8.42	1.82	5.51	5.62	19.23	1.41	4.87	1.98	4.28	69.45
M'ns	4.71	5.52	5.09	3.67	2.88	4.61	5.45	5.86	3.25	2.68	2.85	4.42	50.99

GREENWOOD, S. C., Greenwood County. Elevation 671 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Annual.
1884.	......	......	......	......	......	10.51	5.82	4.65	1.49	0.24	......	......	......
1885.	......	......	......	......	4.09	4.18	2.36	5.13	3.69	5.59	......	......	......
1886.	......	......	......	2.01	8.28	7.32	6.24	4.58	1.65	0.00	......	......	......
1887.	......	......	......	......	4.29	2.99	8.13	7.05	2.56	4.01	......	5.09	......
1888.	4.34	......	......	1.07	6.53	1.62	2.75	6.47	17.90	3.27	......	......	......
1889.	......	......	......	......	0.96	4.38	6.81	5.10	3.01	0.70	3.56	1.00	......
1890.	1.10	1.88	2.80	......	6.71	0.78	5.78	3.39	7.27	6.17	0.00	......	......
1891.	......	......	......	......	3.46	1.12	3.18	4.94	3.72	0.42	3.08	......	......
1892.	......	......	......	......	2.77	10.48	4.29	2.91	5.54	0.68	2.00	5.81	......
1893.	0.60	5.50	......	......	3.02	5.56	1.59	5.48	3.16	0.72	1.96	......	......
1894.	1.64	4.59	0.93	1.60	5.10	3.52	6.95	7.52	3.31	4.14	2.38	5.09	46.77
1895.	11.83	2.21	6.06	4.48	9.94	1.88	3.78	10.04	0.10	1.14	3.84	4.49	59.79
1896.	4.48	4.40	1.65	2.26	1.94	4.21	15.72	2.62	0.56	2.55	8.11	2.89	51.39
1897.	4.25	7.56	4.04	4.28	2.20	3.39	5.16	3.14	3.04	2.34	2.34	1.92	43.66
1898.	2.59	0.57	3.77	4.12	1.65	4.15	4.92	7.18	4.44	5.59	3.85	2.22	45.05
1899.	5.20	9.76	4.26	1.64	1.84	1.84	2.17	6.16	3.80	5.05	1.91	2.26	45.89
1900.	2.16	6.07	5.75	7.28	1.61	8.01	1.05	1.17	2.45	4.10	3.49	5.69	48.83
1901.	3.96	3.84	4.24	6.48	8.31	5.09	2.58	8.61	5.92	1.22	0.90	7.65	58.80
1902.	3.05	8.14	5.59	1.92	2.12	5.38	2.10	3.86	4.98	4.58	3.60	6.06	51.38
1903.	3.94	9.26	6.46	2.01	2.81	4.84	1.70	7.46	1.44	2.11	1.23	1.14	44.40
1904.	2.41	4.43	2.68	1.64	3.05	1.86	3.31	11.02	1.79	0.40	2.32	4.72	39.63
1905.	1.55	6.24	1.65	2.93	5.36	3.07	5.61	4.12	0.48	1.43	1.83	9.27	43.54
1906.	6.09	1.89	5.89	2.28	1.68	5.06	9.71	6.32	5.15	2.62	0.72	3.80	51.21
1907.	0.44	3.72	1.94	3.52	2.35	6.32	3.83	3.71	5.43	1.25	8.25	7.35	48.11
1908.	4.90	6.30	4.23	3.65	0.70	6.93	7.57	10.54	1.88	4.54	2.03	4.85	58.12
M'ns	3.51	5.09	3.78	3.13	3.78	4.58	4.92	5.73	3.77	2.59	2.87	4.48	48.23

HEPHZIBAH, GA., Richmond County. Elevation 402 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Annual.
1889.	6.73	6.72	3.10	3.00	1.35	2.35	8.65	8.70	2.91	1.20	2.95	0.60	48.26
1890.	0.90	1.40	2.80	1.30	5.20	2.90	8.80	3.50	4.19	......	1.80	1.60	......
1891.	......	2.40	8.30	T.	2.40	4.31	7.00	6.67	1.50	0.45	0.62	2.95	......
1892.	8.25	1.93	4.70	0.80	4.91	5.75	7.30	4.30	6.00	T.	1.30	2.86	48.10
1893.	1.25	4.70	2.56	0.75	4.15	7.64	6.27	8.48	5.10	5.11	1.80	1.95	49.76
1894.	2.65	5.90	2.28	4.16	4.50	3.15	12.10	8.36	8.15	4.40	3.70	2.30	61.65
1895.	7.75	4.40	8.18	5.65	4.56	......	4.60	5.70	0.09	0.60	......	3.90	......
1896.	4.30	7.70	......	1.90	1.30	1.40	6.75	1.41	4.25	0.50	4.15	4.10	......
1897.	2.20	9.65	6.35	3.50	0.90	3.30	6.15	4.85	4.13	1.30	1.00	1.60	44.93
1898.	2.90	0.40	1.90	3.40	0.70	1.40	10.40	11.80	0.45	2.90	4.48	2.58	43.31
1899.	4.50	7.80	3.00	2.60	0.97	4.40	5.13	4.20	2.92	3.90	2.00	0.85	42.27
1900.	0.30	5.30	2.75	3.50	1.40	8.60	3.80	1.20	0.50	3.20	1.70	6.20	38.45
1901.	5.00	4.30	5.20	3.10	5.35	......	4.40	9.20	2.66	1.27	0.90	3.72	......
1902.	0.85	6.80	7.51	3.36	1.76	2.68	2.47	2.18	0.55	2.88	......	2.38	......
1903.	3.15	......	......	2.00	4.85	3.19	1.12	7.10	3.40	1.90	1.50	1.05	......
M'ns	3.62	4.96	4.51	2.60	2.95	3.93	6.33	5.84	3.12	2.12	2.15	2.58	44.71

LEO (MOSSY CREEK), GA., White County. Elevation 1,588 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Annual.
1878.	......	......	......	1.37	0.81	2.03	3.24	6.04	3.39	3.07	4.19	2.82	......
1879.	6.25	5.47	4.08	5.94	2.18	2.38	7.95	9.88	1.50	10.05	3.90	7.49	67.07
1880.	3.72	3.79	8.31	10.60	6.47	2.74	2.30	7.07	4.27	3.22	8.41	5.79	66.69
1881.	6.30	......	9.03	4.07	1.41	3.57	5.59	3.61	6.75	2.44	3.00	10.33	......
1882.	9.08	9.35	5.28	3.58	2.75	3.37	4.54	6.43	7.66	2.52	2.16	4.44	61.16
1883.	10.35	3.89	4.15	4.74	2.76	2.61	1.00	......	2.06	4.02	4.35	5.29	......
1884.	6.21	9.64	13.99	7.11	2.49	11.46	4.85	......	1.02	......	2.48	......	......
1885.	8.64	5.18	2.77	1.20	6.30	2.68	5.60	......	......	6.70	......	......	......
1886.	7.44	1.06	10.00	4.63	9.81	......	......	4.38	......	......	......	......	......
1887.	1.24	6.65	1.63	......	2.14	3.76	14.16	8.18	4.50	......	2.47	3.55	......
1888.	4.99	......	1.04	0.20	6.34	3.92	2.17	......	......	......	......	......	......
M'ns	6.42	5.63	6.03	4.34	3.95	3.85	5.14	6.51	3.89	4.57	3.87	5.67	59.87

RABUN GAP, GA., Rabun County. Elevation —— feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Annual.
1878.	......	......	......	......	......	4.55	7.05	4.15	1.70	3.70	5.00	7.20	......
1879.	7.41	4.45	2.67	3.52	5.36	4.97	7.20	11.25	3.10	19.40	5.70	8.35	83.38
1880.	3.75	4.55	12.27	6.90	8.90	1.85	4.50	4.85	5.50	2.90	8.30	1.80	61.52
1881.	4.85	12.30	5.80	6.48	2.60	3.20	1.50	3.00	13.65	6.50	6.80	11.45	78.13
1882.	11.45	8.35	5.50	3.90	4.10	1.90	5.10	8.15	7.50	1.93	0.90	1.75	60.53
1883.	8.80	3.75	4.70	8.30	1.10	5.35	0.90	2.20	0.55	4.05	2.25	7.10	49.05
1884.	6.30	8.95	16.20	5.40	5.40	13.00	......	......	......	......	......	......	......
1885.	9.00	4.40	1.90	......	4.30	2.70	3.80	6.10	4.60	11.20	7.80	......	......
1886.	11.20	2.20	11.90	4.90	8.90	5.50	3.80	2.40	1.90	0.60	8.50	1.40	63.20
1887.	4.00	8.50	2.60	4.20	3.30	2.90	7.50	11.70	4.10	......	0.70	7.00	......
1888.	5.85	5.90	12.50	3.50	......	......	......	......	......	......	......	......	......
M'ns	7.26	6.34	7.60	5.23	4.88	4.59	4.59	5.98	4.73	6.36	5.11	5.76	68.98

POINT PETER, GA., Oglethorpe County. Elevation 1,000 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889.	......	......	......	......	2.15	4.80	4.35	8.40	3.95	1.85	3.70	0.85	......
1890.	2.45	2.55	3.75	1.75	5.65	1.30	7.05	4.95	6.85	6.15	0.93*	2.25	45.63
1891.	7.40	8.15	11.30	1.65	2.95	1.40	4.66	6.20	1.10	0.10	3.10	3.50*	51.51
1892.	11.20	3.50	6.00	4.85	1.00	6.00	2.50	2.40	3.65	0.50	3.20	3.25	48.05
1893.	2.20	8.30	3.00	1.35	3.85	5.75	5.60	5.05	4.40	1.70	1.40	1.65	44.25
1894.	3.95	4.85	2.85	2.90	1.70	2.65	6.70	3.90	5.90	5.10	1.40	5.05	46.95
1895.	8.10	2.50	8.40	5.30	4.45	4.40	3.00	7.25	2.85	0.85	3.30	4.30	54.70
1896.	5.40	4.60	3.35	2.90	2.55	1.45	8.65	1.10	1.25	2.35	6.60	3.15	43.35
1897.	1.06*	6.50	5.68	6.51	0.96	3.91	4.37	6.74	2.05	2.21	3.00	3.05	49.04
1898.	3.10	0.70	4.25	5.38	0.17	1.82	11.51	8.74	2.59	8.79	4.58	3.62	55.25
1899.	7.25	8.19	5.00	1.99	0.68	2.06	2.54	4.27	1.14	4.28	2.69	3.14	43.23
1900.	1.85	8.34	4.54	6.27	3.47	12.71	6.90	0.73	4.74	2.89	3.62	5.69	61.75
1901.	4.08	3.68	5.12	5.12	6.22	4.18	2.84	15.67	7.35	0.54	0.87	6.86	62.53
1902.	4.27	8.33	7.02	2.66	2.80	2.03	2.80	3.89	5.83	2.10	3.41	4.57	49.71
1903.	3.44	10.12	6.99	2.33	2.49	11.16	4.63	5.93	2.88	1.43	1.34	1.63	54.37
1904.	3.62	5.96	2.48	2.88	1.84	2.47	4.56	6.84	1.17	0.70	2.96	4.54	40.02
1905.	2.44	6.22	1.81	2.76	6.56	1.09	3.13	2.57	1.31	1.72	2.16	10.56	42.33
1906.	8.45	2.02	8.88	2.77	4.26	9.08	9.16	4.25	6.94	2.75	1.31	4.00	63.87
1907.	0.73	5.70	2.04	4.23	2.86	5.41	3.19	2.95	6.47	0.64	7.13	6.78	48.13
1908.	5.57	......	4.96	8.45	1.36	2.77	3.42	19.53	2.53	5.05	1.95	4.39	......
M'ns	4.71	5.57	5.13	3.79	2.90	4.32	5.08	6.07	3.75	2.58	2.93	4.14	50.97

* Interpolated.

STATESBORO, GA., Bulloch County. Elevation 253 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	......	......	3.13	6.47	10.59	......	......	0.66	1.72	2.95	......
1893.	3.61	4.95	......	......	......	......	......	......	......	......	......	......	......
1900.	......	......	......	6.22	3.01	......	3.54	2.70	1.77	2.68	2.70	8.38	......
1901.	3.14	4.14	5.25	3.10	9.89	8.06	3.10	10.65	1.25	0.65	1.10	2.56	52.89
1902.	......	5.10	5.67	1.97	2.51	7.44	3.74	3.15	2.34	6.78	3.22	4.09	......
1903.	3.17	3.10	......	1.34	5.05	9.31	4.38	9.10	7.55	2.50	3.69	1.85	......
1904.	4.07	4.75	4.30	......	2.30	2.48	7.21	7.79	1.50	0.12	4.31	1.25	......
1905.	2.25	4.84	4.45	3.11	2.26	6.49	4.75	7.04	1.13	1.27	1.82	6.28	45.69
1906.	......	......	4.50	0.48	4.21	10.02	8.53	4.10	2.04	0.89	0.60	2.19	......
1907.	1.50	1.55	1.42	4.02	4.53	4.09	......	......	5.29	1.59	1.95	4.75	......
1908.	6.22	3.57	5.84	4.72	4.96	8.39	9.42	4.82	6.21	2.12	0.45	2.40	59.12
M'ns	3.42	4.00	4.49	3.12	4.18	6.97	6.14	6.17	3.23	1.93	2.16	3.67	49.48

SAVANNAH, GA., Chatham County. Elevation 65 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1837.	1.93	2.44	4.60	5.56	3.34	0.31	3.34	3.41	5.07	1.40	1.85	2.30	35.55
1840.	0.99	0.00	1.34	0.86	10.09	3.36	12.36	8.84	2.33	4.53	1.58	0.80	47.08
1841.	3.11	4.28	6.38	1.60	5.88	3.12	7.62	20.37	10.10	2.42	1.97	2.98	69.83
1842.	1.09	3.96	0.38	3.28	6.16	6.29	11.08	11.26	6.42	5.66	2.88	5.21	63.67
1843.	1.27	2.40	14.51	1.02	1.77	6.68	5.41	7.56	1.45	0.00	0.60	0.99	43.66
1844.	2.73	0.41	6.94	2.16	2.25	5.64	12.98	3.83	5.97	0.40	2.60	2.71	48.62
1845.	2.63	0.25	1.85	0.05	5.33	2.38	3.01	9.78	2.04	5.21	0.38	4.69	37.60
1846.	6.93	5.26	5.14	2.46	1.38	5.64	6.21	6.61	7.43	7.15	0.57	1.86	56.64
1847.	2.94	4.16	6.55	1.80	9.94	3.72	20.43	12.81	5.18	0.14	1.54	0.72	69.93
1848.	0.62	2.99	0.10	1.63	9.64	11.92	12.77	4.51	2.82	6.33	1.23	2.36	56.92
1849.	1.14	3.51	0.76	1.31	7.20	1.28	11.29	13.24	4.95	2.70	0.90	2.13	50.41
1850.	4.43	2.49	5.90	4.70	6.44	1.02	10.13	9.02	4.65	0.95	0.82	4.72	55.27
1851.	5.28	3.96	2.49	2.70	1.50	5.19	7.08	8.82	1.00	0.47	2.37	2.86	43.76
1852.	1.92	1.53	4.49	3.17	8.27	9.31	5.32	5.04	4.67	1.92	3.18	6.03	54.85
1853.	1.15	1.14	2.48	0.44	3.96	0.79	6.46	8.17	9.43	2.89	3.10	6.88	46.89
1854.	2.53	2.53	2.03	1.99	6.51	3.83	7.98	4.52	7.46	0.48	2.30	0.98	43.14
1855.	1.26	1.18	2.77	2.21	5.89	4.94	2.65	5.58	2.25	1.98	2.22	5.66	38.59
1856.	7.37	1.18	5.04	1.26	5.80	6.51	4.98	6.37	1.24	1.53	2.20	1.90	45.38
1857.	1.85	0.95	2.80	2.66	1.25	0.85	10.27	4.74	1.08	3.12	1.03	2.90	33.50
1858.	3.15	4.56	2.82	1.99	3.63	2.90	5.77	3.32	14.20	1.54	3.37	5.95	53.20
1859.	3.13	2.76	4.24	1.24	2.87	4.12	6.62	17.15	7.44	0.16	......	......	......
1871.	0.80	4.68	6.15	4.28	2.17	7.16	3.86	18.13	6.42	3.40	2.22	2.39	61.66
1872.	2.49	4.95	10.18	2.75	5.22	9.52	4.36	12.31	3.52	3.85	2.43	2.29	63.87
1873.	3.50	0.99	4.37	4.37	5.12	4.64	5.44	5.45	4.03	1.09	5.74	3.65	48.39
1874.	2.07	9.71	2.78	2.69	4.83	4.85	10.12	6.58	8.89	1.42	1.83	1.66	57.43
1875.	18.84	3.50	6.88	5.11	3.20	4.10	1.51	6.14	3.95	2.87	1.49	1.41	49.00
1876.	2.39	2.21	2.71	5.74	2.25	18.79	6.21	6.88	2.63	9.45	0.88	4.81	64.85
1877.	2.63	1.71	4.25	8.82	2.04	8.52	5.67	3.69	8.92	5.57	3.72	4.06	59.60
1878.	2.99	2.25	1.47	6.00	1.11	6.99	6.37	6.63	7.20	2.54	3.97	5.06	52.58
1879.	1.00	3.22	1.55	8.69	3.05	5.86	4.29	5.10	5.54	3.87	2.46	1.18	45.81
1880.	2.56	2.95	1.14	4.49	2.53	2.30	7.24	3.94	4.65	6.58	4.40	7.48	50.26
1881.	5.77	1.16	3.79	3.32	0.83	0.91	1.25	9.63	3.09	2.72	2.45	3.08	38.00
1882.	1.90	0.78	4.19	2.94	1.60	7.95	3.53	5.23	7.42	4.63	1.63	5.55	47.35
1883.	7.34	2.34	3.31	3.92	5.22	5.93	4.56	9.28	2.55	1.41	0.58	1.99	48.43
1884.	3.89	3.44	4.91	5.78	1.22	9.37	3.68	8.41	4.55	2.29	1.72	3.21	50.47
1885.	6.45	3.11	3.11	1.14	3.98	8.11	7.30	14.38	12.00	7.67	0.61	5.50	73.36
1886.	2.92	2.38	3.16	2.06	4.37	7.24	7.02	7.32	1.64	0.90	0.51	3.16	42.68
1887.	3.71	3.63	0.76	2.06	2.73	10.76	4.72	1.89	1.97	4.13	0.29	7.99	44.64
1888.	2.09	3.42	2.24	0.71	3.60	2.59	0.82	7.83	10.34	6.81	3.74	2.87	47.06
1889.	6.36	3.92	3.52	2.36	0.35	9.73	6.21	7.50	4.68	0.34	2.58	T.	47.55
1890.	0.44	1.02	2.75	1.09	3.13	4.38	7.72	2.80	16.58	4.12	0.51	2.92	47.46
1891.	1.00	2.23	5.08	2.91	1.87	1.98	9.70	11.54	2.69	2.46	2.05	1.26	44.77
1892.	2.49	1.31	4.12	0.16	2.17	6.00	6.37	3.36	10.95	1.12	1.30	3.17	42.42
1893.	2.21	4.73	3.87	2.20	2.22	8.50	4.63	12.59	8.29	6.91	2.31	3.12	61.58
1894.	0.86	3.65	2.81	0.64	5.93	2.97	13.18	7.28	7.88	3.17	3.78	0.65	52.80
1895.	5.02	3.78	5.31	4.43	2.20	6.08	9.06	9.68	2.72	1.11	3.74	1.71	54.84
1896.	4.32	2.99	3.19	1.51	4.30	5.31	4.49	5.78	2.08	0.99	2.42	6.86	44.24
1897.	1.49	8.85	4.16	3.35	1.10	3.94	8.10	6.73	6.52	6.87	0.71	2.26	54.08
1898.	0.36	0.56	1.93	2.46	1.01	4.58	8.53	22.79	5.06	4.46	6.28	2.16	60.18
1899.	3.59	6.66	2.53	1.71	1.11	1.07	4.97	9.04	4.22	3.63	2.02	1.62	42.17
1900.	3.46	2.60	3.60	4.99	2.65	6.31	2.02	2.01	4.39	5.87	3.64	3.54	45.08
1901	3.62	4.21	2.34	1.91	2.71	6.78	3.69	6.44	2.13	0.98	1.01	1.02	36.84
1902.	0.30	2.34	5.22	2.47	2.51	2.19	9.28	6.30	3.83	4.72	4.96	3.23	47.35
1903.	3.64	4.08	5.53	1.53	6.30	6.01	6.54	5.17	8.45	3.24	1.84	1.34	53.67
1904.	3.77	2.87	1.61	0.35	0.96	4.04	13.14	6.46	2.86	0.23	3.20	0.93	40.42

SAVANNAH, GA., Chatham County. Elevation 65 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1905.	2.06	4.55	4.07	1.29	6.69	2.46	7.68	4.20	3.11	2.88	1.26	5.24	45.49
1906.	3.39	2.59	1.46	1.17	5.50	8.35	5.42	5.06	2.55	2.01	0.36	1.81	39.67
1907.	0.58	1.74	0.51	4.07	2.48	8.44	7.62	4.19	6.82	0.46	1.56	3.98	42.45
1908.	4.19	4.62	2.44	3.36	2.65	4.59	8.03	4.13	9.05	1.34	2.07	1.09	47.56
M'ns	3.12	3.01	3.67	2.73	3.71	5.41	6.92	7.74	5.45	3.04	2.16	3.10	50.06

TOCCOA, GA., Stephens County. Elevation 1,050 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1879.	6.25	4.98	3.31	3.88	4.38	3.13	7.38	10.36	1.37	......	......	......	......
1880.	3.32	6.19	10.41	10.81	3.02	3.22	3.29	7.77	......	......	......	......	......
1882.	......	......	......	3.59	1.86	7.86	4.99	8.79	2.57	2.72	......	......	......
1883.	......	......	......	4.94	1.89	0.91	0.43	4.03	1.29	2.97	......	......	......
1884.	......	......	......	5.53	1.09	9.78	5.66	2.14	1.12	0.40	......	......	......
1885.	......	......	......	......	8.01	1.75	2.29	4.19	6.29	8.38	......	......	......
1886.	......	......	......	2.34	7.26	6.56	6.08	7.20	1.04	0.06	......	......	......
1887.	......	......	......	......	3.09	4.32	11.66	15.26	4.29	2.94	......	......	......
1888.	......	......	......	2.28	8.19	3.57	5.34	8.50	15.77	5.29	......	......	......
1889.	......	......	......	......	2.87	2.76	7.47	10.17	8.97	0.77	......	......	......
1890.	......	......	......	......	6.43	1.75	6.95	3.77	9.62	5.97	......	......	......
1891.	......	......	......	......	2.90	6.21	9.58	4.58	3.24	0.15	4.99	3.68	......
1892.	8.95	4.18	5.69	6.48	2.78	13.93	8.22	5.87	4.01	0.50	4.18	2.62	67.41
1893.	3.07	6.23	3.01	2.70	5.25	5.55	2.85	4.35	7.95	1.00	1.11	2.79	45.86
1894.	5.90	5.57	3.37	2.61	4.97	2.21	6.26	5.71	2.53	2.70	1.79	11.11	54.73
1895.	8.46	2.74	6.37	8.44	7.53	3.98	2.23	8.80	0.70	0.99	2.14	2.87	55.25
1896.	4.60	4.68	2.06	2.54	4.11	3.40	13.10	1.29	2.32	1.56	8.22	1.04	48.92
1897.	4.71	6.77	7.46	7.19	0.85	1.24	6.03	2.59	0.50	3.44	3.71	4.44	48.93
1898.	4.68	0.69	5.58	5.08	1.18	0.89	9.39	9.13	11.98	7.62	3.26	2.79	62.27
1899.	6.37	7.73	9.14	3.25	0.80	3.05	3.46	5.80	0.52	3.20	2.42	4.16	49.90
1900.	3.58	7.80	7.30	10.30	1.77	......	3.02	0.70	4.50	5.90	3.11	4.75	......
1901.	6.67	3.60	8.55	7.97	6.19	8.01	3.76	20.66	4.49	0.95	0.62	7.65	79.12
1902.	1.88	9.44	5.94	1.51	1.51	2.21	3.57	5.83	10.41	3.08	3.62	6.10	55.10
1903.	4.31	11.84	12.11	6.33	2.42	7.67	4.69	3.42	1.92	1.45	2.34	2.15	60.65
1904.	3.07	4.14	4.80	2.02	2.98	2.01	3.22	9.50	1.46	0.00	3.54	4.59	41.33
1905.	4.47	7.45	1.73	1.32	7.19	4.52	10.40	8.08	0.56	5.80	1.79	10.23	63.54
1906.	10.09	1.18	10.54	1.89	2.99	5.95	14.70	4.18	8.15	4.86	1.98	6.75	73.26
1907.	0.86	3.96	3.22	6.93	4.32	3.03	4.33	5.25	4.62	1.03	7.22	9.73	54.50
1908.	4.22	6.99	5.14	4.19	2.09	3.14	4.71	7.84	2.47	6.00	1.65	6.12	54.56
M'ns	5.07	5.59	6.09	4.76	3.79	4.40	6.04	6.75	4.45	3.07	3.20	5.20	58.41

WASHINGTON, GA., Wilkes County Elevation 630 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1884.	......	......	......	......	......	6.74	2.31	1.26	0.70	1.48	......	......	......
1885.	......	......	......	......	8.43	4.33	1.18	3.54	5.27	4.90	......	......	......
1886.	......	......	......	......	5.23	5.51	3.61	7.60	1.48	0.22	......	......	......
1887.	......	......	......	......	2.04	2.27	15.95	1.64	0.40	3.69	......	......	......
1888.	......	......	......	0.30	4.63	2.00	1.37	3.10	12.63	1.85	......	......	......
1889.	......	......	......	......	0.51	2.03	4.55	3.64	2.07	1.30	1.40	......	......
1890.	......	......	......	......	6.86	3.21	5.64	2.87	10.67	4.96	1.55	......	......
1891.	......	......	......	......	3.85	3.96	3.48	12.64	0.38	0.00	4.73	......	......
1892.	7.80	3.96	6.48	......	1.46	3.97	4.98	4.67	1.20	0.45	0.00	......	......
1893.	1.57	7.62	2.00	1.29	5.14	6.79	3.35	6.49	3.58	2.30	1.04	1.86	43.03
1894.	3.23	3.70	3.87	1.42	2.45	2.30	4.10	6.80	3.30	5.50	2.36	3.59	42.62
1895.	6.33	2.49	7.17	6.36	3.34	3.35	5.19	7.36	1.57	0.94	2.84	3.47	50.41
1896.	3.85	4.42	2.98	1.28	2.78	4.75	11.94	1.54	3.07	2.84	6.35	3.80	49.60
1897.	3.10	8.72	5.38	3.28	3.73	2.54	6.16	6.95	5.94	4.08	2.80	1.55	54.23
1898.	2.95	0.34	3.97	4.84	0.89	2.51	7.11	7.07	4.22	4.82	7.03	2.88	48.63
1899.	5.16	7.52	3.78	1.24	2.51	2.14	4.16	6.68	1.80	3.53	2.33	2.94	43.79
1900.	2.70	9.31	5.83	8.90	3.21	11.46	6.34	1.35	3.23	2.89	2.90	5.58	63.70
1901.	3.37	3.18	3.10	6.40	6.43	8.64	4.78	8.89	6.12	1.97	0.93	5.83	59.74
1902.	1.74	10.15	7.74	2.62	2.87	3.30	1.84	3.72	......	3.87	4.90	3.60	......
1903.	4.64	11.35	5.17	2.90	3.00	6.59	1.66	3.48	4.67	3.40	1.12	1.85	49.83
1904.	2.80	5.15	2.88	1.23	2.10	5.00	2.27	8.94	0.33	0.20	2.42	4.55	37.87
1905.	1.66	6.69	2.20	3.69	3.51	1.74	4.34	3.66	1.24	1.77	2.24	8.92	41.66
1906.	6.03	2.49	4.49	1.52	4.81	5.84	9.86	8.73	7.05	2.70	1.42	1.95	56.89
1907.	2.28	4.43	3.51	4.40	3.35	4.26	3.91	3.26	5.95	0.10	6.35	7.19	48.99
1908.	4.32	5.86	4.84	8.02	4.15	5.19	5.21	8.61	2.24	2.69	2.76	3.12	57.01
M'ns	3.74	5.73	4.43	3.51	3.64	4.42	4.97	5.38	3.71	2.50	2.87	3.92	48.82

WALHALLA, S. C., Oconee County. Elevation 1,061 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889.	......	......	......	......	......	......	8.20	......	7.37	0.32	5.33	0.78	......
1890.	2.75	6.03	2.98	3.45	7.55	3.37	5.68	4.42	9.50	......	0.55	2.85	......
1891.	5.58	5.74	10.60	......	2.75	4.54	5.48	6.75	......	......	5.25	2.60	......
1892.	......	2.84	......	......	......	......	......	......	......	......	......	......	......
1896.	......	......	......	......	......	......	8.05	2.34	5.35	1.69	......	0.55	......
1897.	4.00	6.43	7.08	8.40	1.20	3.01	3.33	3.47	0.80	4.07	3.72	4.11	49.62
1898.	4.03	0.60	5.07	4.54	1.28	1.85	9.00	7.69	5.38	5.45	3.20	5.45	53.54
1899.	4.69	6.51	8.55	3.37	1.29	2.80	3.47	2.90	1.05	3.69	2.40	3.48	44.20
1900.	2.86	9.46	4.50	6.88	1.26	15.19	1.67	2.13	4.28	5.19	3.46	4.04	60.92
1901.	5.12	2.95	8.24	7.55	5.26	3.60	2.84	17.63	4.22	0.55	0.36	7.41	65.73
1902.	3.65	7.58	4.75	0.87	1.95	2.47	2.90	3.35	7.40	3.50	4.60	6.12	49.14
1903.	2.40	7.20	10.00	5.40	0.70	3.90	2.41	7.10	5.69	2.35	1.60	2.92	51.67
1904.	3.40	4.05	5.52	1.70	4.67	4.71	4.95	10.46	1.05	0.00	3.32	4.47	48.30
1905.	4.84	5.65	1.82	2.92	8.70	6.30	13.60	8.00	2.56	4.95	1.92	9.78	71.04
1906.	10.60	1.56	10.25	2.10	2.82	7.80	13.87	7.67	14.37	5.44	2.36	7.71	86.55
1907.	0.58	3.89	2.83	5.67	4.53	4.55	5.40	4.07	4.69	1.85	6.70	8.60	53.36
1908.	......	8.16	......	......	......	......	......	......	......	......	......	......	......
M'ns	4.21	5.24	6.33	4.40	3.54	4.94	6.06	6.29	5.05	3.00	3.20	4.39	56.65

Average Number of Days with 0.01 inch or More of Precipitation.

Station.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Chattahoochee Valley group.	Yrs													
Dahlonega	17	11	10	12	9	9	11	13	13	7	6	8	10	119
Gainesville	16	8	8	9	7	8	9	10	10	5	4	5	7	90
Ocmulgee Valley group.														
Covington	14	8	9	9	8	8	9	10	9	5	5	6	8	94
Eastman	11	8	8	6	5	7	7	10	10	6	4	4	6	81
Forsyth	8	9	8	7	6	8	9	10	11	6	4	4	7	89
Hawkinsville	13	6	7	7	4	7	7	9	10	6	4	4	6	77
Macon	16	9	10	10	7	9	9	11	11	6	4	6	9	101
Monticello	11	9	8	8	7	8	7	10	10	5	5	5	7	89
Oconee Valley group.														
Athens	16	9	9	9	9	8	11	12	12	6	5	7	9	106
Dublin	15	7	9	7	6	7	8	9	9	5	4	5	7	82
Dudley	12	7	9	8	7	7	9	12	11	6	5	5	7	93
Eatonton	6	8	7	8	7	8	9	11	10	6	4	6	9	93
Gillsville	17	6	6	7	6	6	7	8	8	5	3	4	5	71
Greensboro	7	9	10	9	9	7	8	11	10	6	4	7	9	99
Milledgeville	13	7	8	8	6	8	7	6	10	5	3	5	8	84
Altamaha Valley group.														
Harrison	11	9	9	8	7	9	9	13	11	8	6	6	9	104
St. Marys	8	7	7	8	6	10	11	14	12	13	8	4	6	104
Valona	12	5	6	5	5	5	6	10	9	6	4	3	5	69
Waycross	12	7	8	7	3	8	12	14	14	10	6	5	7	105
Savannah Valley group.														
Allendale, S. C	15	6	6	5	5	6	8	9	9	5	4	4	5	72
Augusta	16	10	10	10	10	9	11	12	14	7	5	7	9	114
Camak	12	6	7	7	5	7	8	9	8	5	3	4	7	76
Clayton	16	9	8	9	8	8	11	12	12	6	5	6	9	103
Calhoun Falls, S. C	11	8	9	8	6	6	8	8	8	5	5	5	7	83
Clemson College, S. C.	17	9	9	10	9	7	12	11	10	5	5	6	9	102
Elberton	17	9	10	10	8	7	9	10	10	5	5	6	9	98
Greenwood, S. C	20	7	8	8	7	6	9	8	10	6	5	5	7	86
Louisville	16	7	8	8	5	8	9	11	10	5	4	5	7	87
Point Peter	16	7	8	8	7	5	8	9	9	4	4	5	6	80
Statesboro	9	6	7	7	7	9	10	12	9	8	4	4	8	91
Savannah	18	9	9	8	8	10	11	15	14	11	7	7	9	118
Walhalla, S. C	14	7	7	9	7	6	9	9	9	6	5	5	7	86

Mean Temperature.

Chattahoochee Valley group.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Dahlonega	17	40.3	40.9	51.3	58.0	66.5	72.6	75.2	74.6	69.8	59.4	49.8	42.1	58.4
Gainesville	30	39.9	42.0	51.7	59.3	68.1	74.9	80.9	78.3	71.0	60.0	49.8	42.4	59.9
Ocmulgee Valley group.														
Covington	14	42.4	42.1	55.6	61.0	71.0	77.7	80.6	79.2	73.8	62.7	51.7	43.5	61.8
Eastman	18	48.8	47.1	62.3	66.6	74.4	80.2	82.0	81.4	76.0	65.9	57.6	48.6	65.9
Forsyth	27	47.5	51.2	57.6	65.2	72.5	75.0	81.3	79.7	76.3	66.4	56.3	49.6	64.9
Hawkinsville	14	46.0	46.6	58.0	64.2	72.4	78.7	80.5	80.3	75.6	64.4	54.3	47.4	62.4
Macon	28	46.7	48.2	56.7	64.0	72.7	78.0	81.3	80.3	75.6	64.5	54.6	46.8	64.1
Monticello	14	45.2	46.7	51.9	63.4	72.2	78.5	80.2	79.0	75.0	62.8	55.0	47.8	63.1
Oconee Valley group.														
Athens	27	41.9	44.1	52.1	60.0	69.9	76.2	78.3	77.2	72.0	59.3	51.3	43.8	60.5
Dudley	12	47.7	48.7	63.5	64.2	72.8	78.4	80.8	81.0	76.9	65.4	56.9	49.3	65.5
Eatonton	6	45.6	45.5	58.8	62.0	71.1	77.1	80.5	79.4	76.1	62.4	53.7	46.3	63.2
Gillsville	19	43.1	44.4	53.0	60.3	69.2	76.2	78.2	77.6	73.1	62.1	52.9	45.4	61.3
Greensboro	7	43.3	43.1	57.5	60.6	71.4	77.3	80.4	79.2	74.6	61.7	52.5	44.5	62.2
Milledgeville	21	44.0	48.2	55.4	63.6	71.8	78.1	80.8	79.3	74.6	63.0	53.5	46.5	63.2
Altamaha Valley group.														
Harrison	10	46.5	46.5	58.6	62.3	72.7	78.2	80.8	80.4	75.6	64.2	54.9	47.3	64.0
St. Marys	19	52.4	54.7	61.5	66.9	73.9	79.0	81.0	80.8	77.6	68.4	59.9	53.0	67.4
Valona	11	49.9	51.4	60.5	63.5	73.4	78.9	80.3	80.7	77.2	67.5	58.7	51.0	66.1
Waycross	20	50.5	51.3	62.4	67.1	74.7	80.4	82.2	81.6	77.2	68.0	59.6	51.4	67.2
Savannah Valley group.														
Allendale, S. C	15	46.6	48.1	57.8	63.6	73.0	79.3	81.3	80.3	75.8	64.5	55.5	47.8	64.5
Augusta	63	45.9	49.0	55.9	63.2	72.2	78.1	80.5	78.9	74.4	63.6	53.9	47.0	63.6
Camak	18	44.2	42.9	56.6	63.0	72.0	78.0	80.6	79.5	74.4	63.0	53.6	45.7	62.8
Clayton	15	40.0	39.5	50.6	55.8	65.9	67.0	74.4	74.1	68.5	56.8	48.3	41.7	56.9
Clemson College, S. C.	13	41.6	41.4	53.3	59.0	69.8	76.0	78.9	78.3	72.6	61.4	50.9	42.4	60.5
Elberton	18	43.0	44.0	54.8	61.5	71.6	77.7	79.7	78.7	74.2	62.8	52.8	45.3	62.2
Greenwood, S. C	20	41.5	41.4	53.9	59.6	71.4	77.8	80.1	78.9	73.2	61.7	51.9	42.5	61.2
Louisville	17	46.8	48.6	57.9	63.6	72.3	78.5	80.7	80.1	75.5	64.4	55.0	47.9	64.3
Point Peter	20	42.3	43.0	52.3	59.5	69.6	77.0	79.3	78.1	72.4	60.3	51.0	43.9	60.7
Statesboro	9	47.8	49.6	60.8	64.7	74.2	79.0	81.6	81.3	77.0	65.7	57.4	49.7	65.7
Savannah	58	49.9	52.5	58.3	64.7	72.5	78.2	80.5	79.4	75.4	66.3	57.5	51.3	65.5
Walhalla, S. C	14	41.2	43.1	50.6	58.3	67.8	74.7	76.8	76.3	70.9	59.9	49.4	43.3	59.4

Highest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Chattahoochee Valley group.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Dahlonega	17	72	73	88	91	92	99	97	96	95	89	79	74	99
Gainesville	16	72	74	86	91	98	98	100	103	99	88	77	72	103
Ocmulgee Valley group.														
Covington	13	73	78	90	92	98	103	104	105	102	92	82	73	105
Eastman	11	79	76	89	97	101	102	106	104	103	95	86	77	106
Forsyth	8	74	78	93	96	97	100	105	101	99	93	86	82	105
Hawkinsville	13	81	81	96	95	100	102	104	106	105	95	89	81	106
Macon	14	78	81	91	92	99	102	102	100	102	92	81	77	102
Monticello	11	77	80	91	95	98	100	105	104	99	93	92	77	105
Oconee Valley group.														
Athens	16	79	75	86	87	96	102	100	99	99	87	83	79	102
Dudley	12	78	80	93	97	100	104	105	103	101	97	86	78	105
Eatonton	6	79	76	91	93	95	97	103	100	98	90	81	74	103
Gillsville	17	74	75	91	92	96	100	102	100	100	92	82	76	102
Greensboro	8	78	80	87	91	96	99	102	101	100	91	80	75	102
Milledgeville	20	77	79	90	92	98	100	105	100	100	94	82	75	105
Altamaha Valley group.														
Harrison	11	78	82	93	92	98	102	103	101	96	90	83	75	103
St. Marys	8	81	82	96	95	100	103	106	105	97	95	86	88	106
Valona	9	84	82	96	90	98	99	102	105	96	94	84	82	105
Waycross	14	82	85	95	96	100	101	102	107	102	94	86	84	107
Savannah Valley group.														
Allendale, S. C	15	79	83	93	92	101	104	103	102	100	89	86	80	104
Augusta	37	78	80	85	89	100	100	105	105	97	89	84	77	105
Camak	13	79	79	91	89	99	103	103	101	101	97	85	75	103
Clayton	10	75	71	89	91	94	96	96	95	93	89	76	75	96
Clemson College, S. C.	13	79	81	87	88	99	100	101	102	100	92	84	72	102
Elberton	17	75	77	91	94	98	102	104	100	102	92	79	78	104
Greenwood, S. C	20	72	75	89	96	102	105	105	104	96	92	81	74	105
Louisville	16	80	82	94	93	99	100	104	103	100	92	87	79	104
Point Peter	16	75	77	92	90	100	104	105	107	100	89	80	72	107
Statesboro	9	84	84	97	94	99	102	104	106	100	92	84	80	106
Savannah	39	80	80	86	89	98	99	105	100	96	87	82	80	105
Walhalla, S. C	14	80	75	94	87	95	98	101	100	95	89	80	76	101

Lowest Temperature.

Chattahoochee Valley group.	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Dahlonega	17	1	-11	0	23	30	39	50	52	34	28	15	1	-11
Gainesville	16	3	-6	11	27	38	39	53	56	38	28	17	8	-6
Ocmulgee Valley group.														
Covington	13	6	-10	10	26	35	46	58	54	39	30	17	6	-10
Eastman	11	14	12*	28	34	41	50	60	60	47	34	20	17	12
Forsyth	8	11	6*	23	30	38	47	60	58	47	30	19	10	6
Hawkinsville	13	4	-3	16	28	36	45	58	57	46	29	18	13	-3
Macon	14	13	10*	20	31	41	51	50	55	39	32	22	11	10
Monticello	16	11	6*	20	32	39	48	60	58	48	30	19	8	6
Oconee Valley group.														
Athens	16	6	-3	19	29	38	43	56	56	42	32	19	4	-3
Dudley	12	12	-3	12	29	41	51	61	58	35	30	19	12	-3
Eatonton	6	12	7*	24	27	36	52	61	59	46	32	19	16	7
Gillsville	17	6	-5	6	28	36	44	52	59	37	28	16	8	-5
Greensboro	8	9	7*	26	30	35	53	57	56	46	27	18	14	7
Milledgeville	20	6	9*	20	29	39	46	62	58	43	29	19	10	6
Altamaha Valley group.														
Harrison	11	9	-2	18	26	36	52	56	60	40	29	23	10	-2
St. Marys	8	14	21*	29	34	43	59	63	62	59	34	20	21	14
Valona	9	16	19*	21	34	44	57	63	61	55	35	18	17	16
Waycross	14	16	4	23	34	41	65	61	56	48	29	21	12	4
Savannah Valley group.														
Allendale, S. C	15	4	2	21	30	42	55	55	51	39	31	23	15	2
Augusta	37	6	3	14	24	40	46	57	53	40	32	22	7	3
Camak	13	10	5*	25	28	36	47	58	55	42	28	18	15	5
Clayton	16	-1	-5	8	23	20	42	49	47	36	24	14	2	-5
Clemson College, S. C.	13	5	-7	12	24	39	42	54	56	38	25	10	9	-7
Elberton	17	5	-2	14	29	35	52	58	56	45	30	20	5	-2
Greenwood, S. C	20	9	-5	16	27	38	42	56	55	42	28	16	15	-5
Louisville	16	9	7*	20	29	40	50	58	58	46	31	18	7	7
Point Peter	16	9	1*	14	24	36	44	52	51	40	28	13	8	1
Statesboro	9	14	15*	21	30	42	52	62	61	52	34	20	14	14
Savannah	39	16	8	26	33	44	50	63	61	43	37	22	12	8
Walhalla, S. C	14	5	-9	11	20	37	44	45	54	34	31	17	5	-9

* Temperatures for cold wave of February 13, 1899, not included in record.

Prevailing Wind Direction.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Atlanta	30	nw	nw	nw	nw	nw	nw	nw	nw	e	nw	nw	nw	nw
Augusta	18	w	w	w	se	se	se	s	se	ne	ne	nw	nw	se
Macon	9	nw	nw	nw	nw	s	s	s	s	ne	ne	nw	nw	nw
Savannah	38	nw	nw	sw	sw	s	sw	sw	sw	ne	ne	n	nw	sw
Thomasville	4	nw	nw	s	s	s	sw	sw	se	ne	ne	ne	nw	s

Average Hourly Wind Movement (in miles).

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Atlanta	28	12	12	12	11	9	8	8	7	9	10	11	11	10
Augusta	18	6	7	7	7	6	5	5	5	5	6	5	6	6
Macon	9	6	7	7	7	6	5	5	4	5	6	5	6	6
Savannah	38	8	8	8	8	8	7	6	6	6	7	7	7	7
Thomasville	4	6	6	6	6	5	5	4	4	5	5	5	6	5

Mean Relative Humidity.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
		Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct	Pct
Atlanta	22	76	72	71	66	67	71	76	78	74	69	72	75	72
Augusta	21	76	73	71	66	68	73	76	82	78	76	77	77	74
Macon *	9	84	83	83	76	79	80	82	85	85	83	85	84	83
Savannah	20	76	76	77	73	76	80	82	84	84	80	79	78	79
Thomasville	4	82	75	76	76	74	74	86	86	87	80	82	82	80

* Taken at 7 a. m. (local standard time) only.

Frost Data.

Stations.	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Chattahoochee Valley group.	Yrs				
Dahlonega	18	Oct. 31	Apr. 7	Oct. 11	May 10
Gainesville	14	Nov. 3	Mar. 31	Oct. 11	Apr. 17
Ocmulgee Valley group.					
Covington	14	Nov. 8	Mar. 31	Oct. 11	Apr. 17
Eastman	8	Nov. 11	Feb. 26	Oct. 21	Mar. 21
Forsyth	9	Oct. 31	Mar. 24	Oct. 11	Apr. 17
Hawkinsville	14	Nov. 12	Mar. 17	Oct. 23	Apr. 16
Macon	12	Nov. 13	Mar. 20	Oct. 20	Apr. 15
Monticello	11	Nov. 13	Mar. 17	t. 11	Apr. 17
Oconee Valley group.					
Athens	12	Nov. 8	Mar. 27	Oct. 24	Apr. 17
Dudley	12	Nov. 6	Mar. 22	Oct. 11	Apr. 18
Eatonton	6	Nov. 4	Mar. 19	Oct. 11	Apr. 17
Gillsville	17	Nov. 3	Mar. 31	Oct. 10	Apr. 15
Greensboro	7	Nov. 1	Apr. 1	Oct. 11	Apr. 24
Milledgeville	13	Nov. 5	Mar. 22	Oct. 23	Apr. 17
Altamaha Valley group.					
Harrison	10	Nov. 10	Mar. 23	Oct. 11	Apr. 17
St. Marys	7	Nov. 24	Mar. 6	Nov. 14	Apr. 11
Valona	9	Nov. 17	Mar. 11	Nov. 6	Apr. 14
Waycross	17	Nov. 16	Mar. 11	Oct. 28	Apr. 15
Savannah Valley group.					
Allendale, S. C	15	Nov. 20	Mar. 24	Oct. 27	Apr. 17
Augusta	18	Nov. 7	Mar. 24	Oct. 21	Apr. 17
Camak	10	Nov. 3	Mar. 25	Oct. 11	Apr. 17
Clayton	16	Oct. 19	Apr. 15	Oct. 1	May 10
Clemson College, S. C	13	Oct. 31	Apr. 5	Oct. 15	Apr. 20
Elberton	18	Nov. 8	Mar. 26	Oct. 10	Apr. 17
Greenwood, S. C	20	Nov. 4	Mar. 22	Oct. 1	Apr. 17
Louisville	17	Nov. 10	Mar. 15	Oct. 23	Apr. 15
Point Peter	15	Nov. 1	Apr. 1	Oct. 11	Apr. 24
Statesboro	9	Nov. 13	Mar. 9	Oct. 26	Apr. 15
Savannah	18	Nov. 27	Mar. 9	Nov. 11	Apr. 10
Walhalla, S. C	14	Nov. 1	Apr. 8	Oct. 11	Apr. 17

HYDROGRAPHIC DATA FOR SECTION 86,

SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES, COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY.

By R. H. BOLSTER, Assistant Engineer.

[PRELIMINARY NOTE.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.]

This section comprises portions of Savannah, Ogeechee, Altamaha, and Chattahoochee River drainages, lying in the eastern half of the State of Georgia.

Savannah River is formed by the junction of Tugaloo and Seneca rivers, which unite about 100 miles above Augusta, Ga. It flows in a southeasterly direction, forming the boundary between Georgia and South Carolina, and empties into the Atlantic Ocean near Savannah, Ga. It is navigable to the fall line at Augusta.

Tugaloo River is formed by the junction of Chattooga and Tallulah rivers, which join at the west corner of Oconee County, S. C. It flows in a southeasterly direction and is a part of the boundary between Georgia and South Carolina. Tallulah River rises in Macon County, N. C., and in the northwestern part of Rabun County, Ga., and flows in a southeasterly direction. Parts of its course are cut through consolidated rock for hundreds of feet, forming canyons and steep bluffs. Throughout its entire length the fall is very great, and at Tallulah Falls the stream drops more than 500 feet in a short distance.

Broad River joins the Savannah at the southeastern corner of Elbert County, Ga. It rises in Habersham and Banks counties and flows in a southeasterly direction to the southeastern corner of Madison County, Ga., where South Fork joins it. Thence it flows east to Savannah River. Its drainage is over a rolling country and there is a considerable amount of fall at various points. At Anthony Shoals the fall is more than 50 feet in a short distance. Above Augusta, Ga., there is much fall which can be developed for water power. With the exception of the large plant at Augusta, very little of this is being used.

Ogeechee River is formed by the junction of Williamson Swamp Creek and Rocky Comfort Creek, in Jefferson County, Ga., and drains a small basin in southeastern Georgia lying ing between the Savannah and Altamaha basins. It flows in a southeasterly direction and empties into the Atlantic Ocean. The streams in this basin flow through a generally low country. The current is usually good, but the fall available for power is small. The bank on one side or the other of the stream is usually low and swampy.

Altamaha River is formed by the junction of Oconee and Ocmulgee rivers, which unite at the southern boundary of Montgomery County, Ga. Ohoopee River is also a tributary, entering from the north side about 50 miles below the junction of the Oconee and Ocmulgee. The Altamaha River drainage is entirely within the State of Georgia. The river rises in the north-central part of the State and flows in a southeasterly direction, emptying into the Atlantic Ocean near Darien. Below the junction of the Oconee and Ocmulgee rivers, and for a long distance above on both rivers, there is no great amount of fall. Steamboat navigation is carried on from Darien to Macon on the Ocmulgee, and to Dublin, and at times to Milledgeville, on the Oconee.

Ohoopee River rises in Washington County and flows in a southeasterly direction to the Altamaha. It flows from the low hills of southeastern Georgia into the flat pine lands. Oconee River rises on the southern slope of the Chattahoochee Ridge in Hall County and joins the Middle Oconee on the southwestern boundary of Clark County. From there it flows in a southeasterly direction to the Altamaha.

Apalachee River, a large tributary which rises in Gwinnett and Walton counties, enters the Oconee near the southeastern corner of Morgan County. Little River enters the main stream at the corner of Putnam, Hancock and Baldwin counties about 15 miles above Milledgeville, Ga. These tributaries have much fall and a small part of it is developed.

The Oconee has a fall of 250 feet in 45 miles. It has some very large water powers available from its source down to Milledgeville, where it crosses the fall line.

Chattahoochee River rises in the Blue Ridge, in White County, and flows in a southwesterly direction until it reaches the Alabama State line, and thence southward until it flows into Apalachicola River at the southern boundary of the State.

Soque River joins the Chattahoochee on the western edge of Habersham County. The river rises in Habersham County and flows in a southwesterly direction. It has considerable fall, dropping as much as 40 feet in a few hundred feet.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: First, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly Discharge of Oconee River, Dublin, Ga., for Period March 1, 1898-December 31, 1906.

[Drainage area 4,180 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Max.	Min.	Mean.	Per square mile.	Depth in inches on drainage area.
January	26,900	1,960	6,600	1.58	1.82
February	34,900	2,120	11,000	2.63	2.74
March	29,300	1,750	8,920	2.13	2.46
April	25,600	2,080	7,310	1.75	1.95
May	13,800	1,140	3,510	.840	.97
June	26,100	874	4,400	1.05	1.17
July	21,500	810	3,650	.873	1.01
August	12,500	810	3,840	.919	1.06
September	27,900	695	3,870	.926	1.03
October	18,100	560	2,950	.706	.81
November	17,000	695	2,680	.641	.72
December	19,100	1,150	4,690	1.12	1.29
For the period	34.900	560	5,280	1.26	17.03

Monthly Discharge of Oconee River, Greensboro, Ga., for Period August 1, 1903-December 31, 1908.

[Drainage area 1,100 square miles.]

January	11,800	555	1,950	1.77	2.04
February	8,300	690	2,260	2.05	2.14
March	11,500	725	2,160	1.96	2.26
April	9,100	585	1,560	1.42	1.58
May	3.420	420	1,070	.973	1.12
June	6,820	360	1,120	1.02	1.14
July	6,820	360	1,300	1.18	1.36
August	25,300	220	1,780	1.62	1.87
September	5.240	195	945	.859	.96
October	5.250	185	755	.686	.79
November	5.990	282	877	.797	.89
December	8,090	435	1,670	1.52	1.75
For the period	25,300	185	1,450	1.32	17.90

Monthly Discharge of Apalachee River, Buckhead, Ga., for Period March 1, 1901-December 31, 1908.

[Drainage area 440 square miles.]

January	3,180	238	777	1.77	2.04
February	5.310	286	1,190	2.70	2.81
March	6.680	282	1,030	2.34	2.70
April	3.940	240	770	1.75	1.95
May	1,680	160	476	1.08	1.24
June	2,650	84	612	1.39	1.55
July	2,770	100	548	1.25	1.44
August	7,660	44*	707	1.61	1.86
September	3.250	45*	423	.962	1.07
October	1,870	43*	315	.716	.83
November	3,320	79*	385	.875	.98
December	5,770	200	765	1.74	2.01
For the period	7,660	43*	667	1.52	20.48

* Minimum flow due to storage.

Monthly Discharge of Ohoopee River, Reidsville, Ga., for Period July 1, 1903-December 31, 1907.

[Drainage area 1,280 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Max.	Min.	Mean.	Per square mile.	Depth in inches on drainage area.
January	3.280	153	1,140	.891	1.03
February	10,400	283	2.420	1.89	1.97
March	4,750	968	1,830	1.43	1.65
April	2,530	140	869	.679	.76
May	2,230	65	554	.433	.50
June	4,120	57	674	.527	.59
July	4,120	57	1,140	.891	1.03
August	6,860	115	1,420	1.11	1.28
September	7,820	65	738	.577	.64
October	8,790	50	627	.490	.56
November	1,420	50	357	.279	.31
December	4,530	74	926	.723	.83
For the period	10,400	50	1,060	.827	11.15

Monthly Discharge of Canoochee River, Groveland, Ga., for Period July 1, 1903-December 31, 1907.

[Drainage area 960 square miles.]

January	3,550	141	742	.762	.88
February	4,300	238	1,760	1.83	1.91
March	3,850	153	1,400	1.46	1.68
April	1,990	95	602	.627	.70
May	970	36	277	.289	.33
June	4,980	36	571	.595	.66
July	4,750	30	1,180	1.23	1.42
August	4,930	75	1,190	1.24	1.43
September	5,210	38	669	.697	.78
October	4.560	27	580	.604	.70
November	1,320	27	258	.269	.30
December	2.580	27	515	.536	.62
For the period	5,210	27	811	.845	11.41

Monthly Discharge of Savannah River, Augusta, Ga., for Period 1899-1908.

[Drainage area 7,300 square miles.]

January	79,200	3,880	13,100	1.79	2.06
February	130,400	4,500	22,700	3.08	3.21
March	137,400	5,100	19,400	2.66	3.07
April	111,900	4,400	13,100	1.79	2.00
May	77,600	2,700	9,200	1.27	1.46
June	97,000	2,400	11,900	1.63	1.82
July	43,900	2,100	9,000	1.23	1.42
August	207.900	2,300	12,200	1.77	1.92
September	111,900	2,400	8,900	1.22	1.36
October	47,400	2,600	7,000	.83	.96
November	44,400	2,060	6,900	.94	1.05
December	107,500	2,800	12,400	1.70	1.96
For the period	207,900	2,060	12,150	1.65	22.29

Monthly Discharge of Broad River, Carlton, Ga., for Period 1899-1908.

[Drainage area 762 square miles.]

January	24.900	510	1,590	2.09	2.41
February	29,100	510	2,600	3.41	3.55
March	27,400	560	2,450	3.22	3.71
April	12,500	510	1,600	2.10	2.34
May	6,720	420	1,120	1.47	1.70
June	13,600	340	1,340	1.76	1.96
July	7.080	305	1,160	1.52	1.75
August	47.200	340	1,620	2.13	2.46
September	16,000	270	992	1.30	1.45
October	5,090	270	791	1.04	1.20
November	4,820	346	795	1.04	1.16
December	22,900	380	1,450	1.90	2.19
For the period	47,200	270	1,460	1.92	25.88

Monthly Discharge of Tugaloo River, Madison, S. C., for 1899-1908, inclusive, except from January 1, 1902, to July 7, 1903.

[Drainage area 593 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Max.	Min.	Mean.	Per square mile.	Depth in inches on drainage area.
January	15,300	520	2,100	3.54	4.08
February	15,700	600	2,400	4.05	4.32
March	15,500	820	2,700	4.55	5.25
April	16,500	900	2,400	4.05	4.52
May	12,500	800	1,900	3.20	3.69
June	14,100	650	1,750	2.95	3.29
July	21,900	510	1,800	3.03	3.49
August	14,100	530	2,000	3.37	3.88
September	16,900	480	1,700	2.87	3.20
October	12,700	435	1,400	2.36	2.72
November	8,800	450	1,000	1.69	1.89
December	15,700	480	1,800	3.03	3.49
For the period	21,900	435	1,900	3.22	43.72

Monthly Discharge of Soque River, Demorest, Ga., for Period August 1, 1904-December 31, 1908.

[Drainage area 158 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Max.	Min.	Mean.	Per square mile.	Depth in inches on drainage area.
January	4,060	151	486	3.08	3.55
February	4,960	182	494	3.13	3.26
March	4,780	161	503	3.18	3.67
April	7,260	151	428	2.71	3.02
May	1,360	217	400	2.53	2.92
June	4,950	193	387	2.45	2.73
July	3,300	205	502	3.18	3.67
August	8,830	93	463	2.93	3.38
September	2,520	115	382	2.42	2.70
October	3,430	93	306	1.94	2.24
November	2,370	108	287	1.82	2.03
December	3,970	115	470	2.97	3.42
For the period	8,830	93	426	2.45	36.59

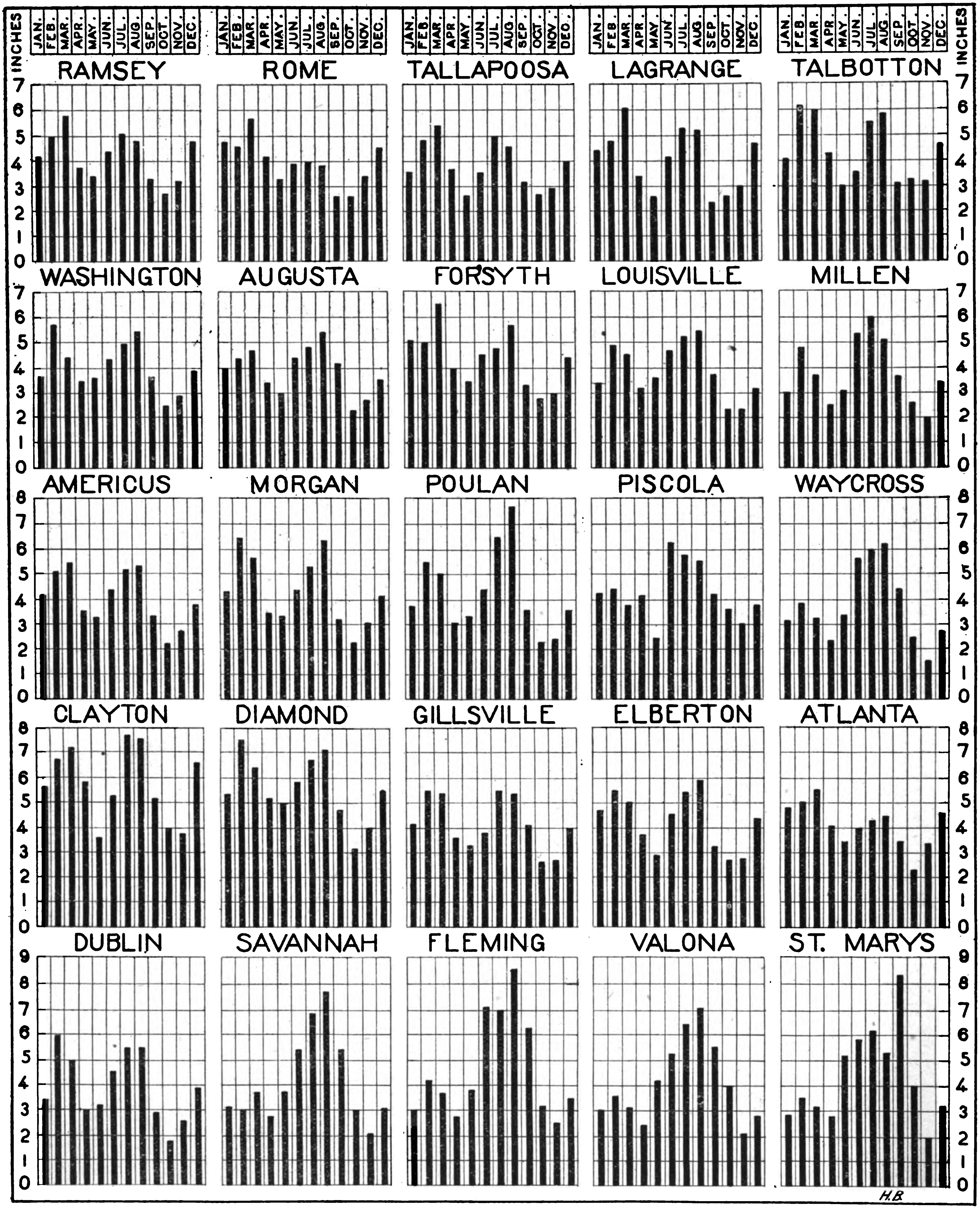


FIG. 1.—Diagrams showing the comparative monthly distribution of precipitation.

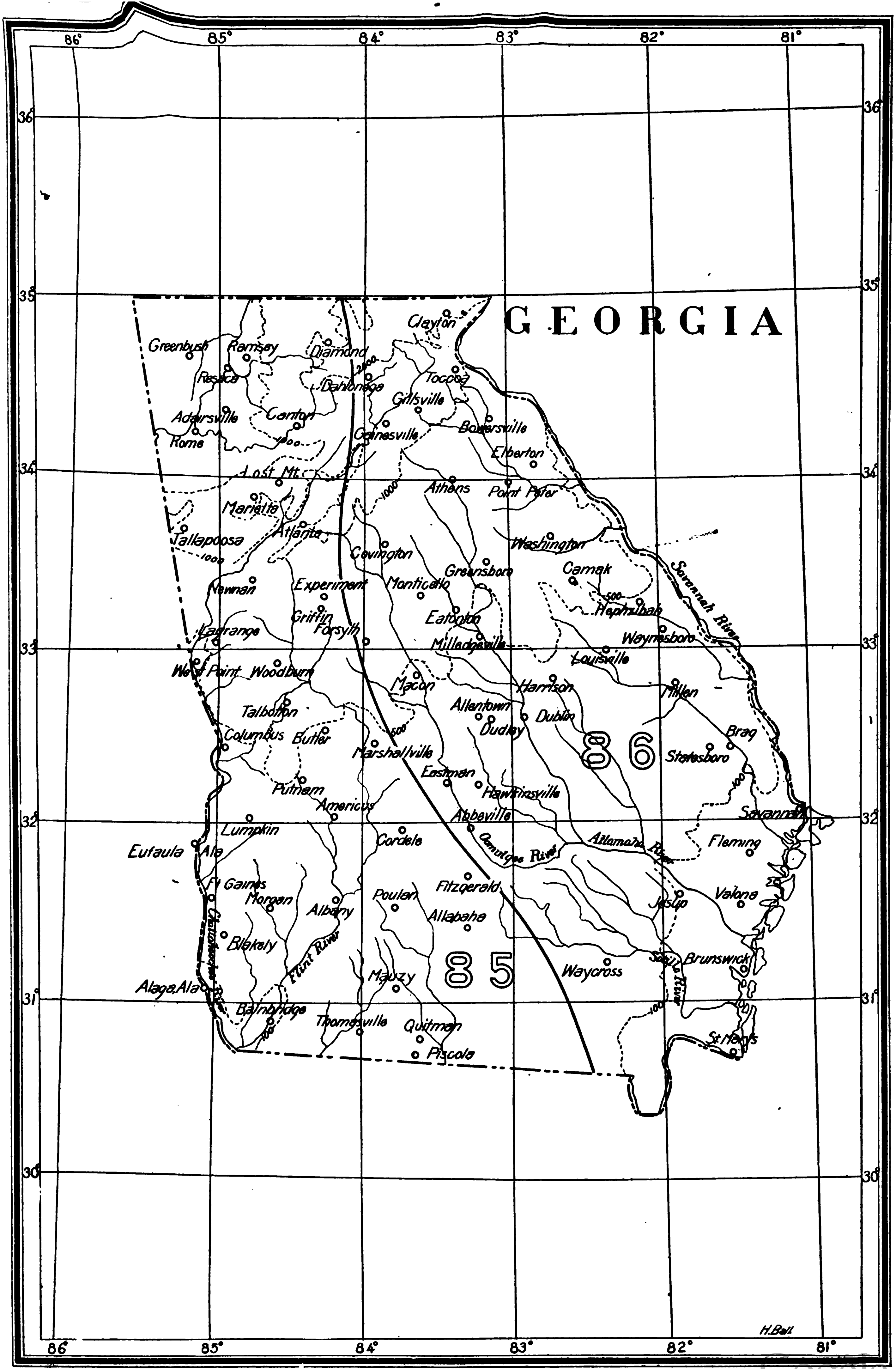


FIG. 2.—Chart showing principal points of observation, the drainage basins, and the general elevation of Georgia.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Division of Meteorological Records, P. C. Day, in charge.

Section 87.—WESTERN SOUTH CAROLINA.

The territory covered by this section includes the entire western portion of South Carolina, comprising an area of about 12,000 square miles. It covers the most populous part of the State, and practically all of the water power sites.

The eastern boundary of this area is the natural line where the level lands that extend inland from the ocean end and the hill country begins. The altitudes range from 200 to 400 feet in the eastern portion to over 1,000 feet in the northwestern portion, with mountains ranging in altitude from 2,000 to over 3,000 feet along the North Carolina border.

The greater part of western South Carolina is hilly, and was originally heavily forested, but is now mostly cleared and cultivated land. The soil is well adapted for diversified agriculture. The climate and precipitation are favorable for raising a large variety of crops and fruits, especially the staple cereals and cotton, and the short winters are well adapted for raising farm animals.

The extreme northwestern portion consists of rough, mountainous country, with isolated peaks of considerable altitude, the highest having elevations from 3,000 to over 3,500 feet. This portion of the State is not well adapted to agriculture, and is yet largely undeveloped, the slopes of most of the hills and mountains being densely covered with virgin forests of hardwoods and pine.

CLIMATIC CHARACTERISTICS.

This portion of South Carolina is subject to moderate weather conditions at all seasons, but the different seasons are well defined. The winters begin about the first of December and end with February. Ordinarily the winters are mild, but with frequent freezing temperatures and frosts, though the cold weather is rarely severe enough or continues a sufficient length of time to freeze the ground more than two or three inches in depth. Snowstorms are not uncommon, but the fall of snow is generally light, except in the extreme northwestern portion, where often from one to ten inches accumulates. The snow seldom remains on the ground more than two or three days, and in the eastern and southern portions generally melts as it falls, except during unusually severe weather that sometimes prevails in January and February.

The springs are short, and are subject to sudden weather vicissitudes, especially in March. April is more uniform, and the increase in warmth is fairly regular as the season advances, though occasionally interrupted by cool waves and frosts that are generally light in the eastern portion but may be heavier or killing in the mountain districts. These two are the distinctively spring months, for in May the summer type of weather ordinarily prevails, the temperature being comparatively high and uniform and the precipitation largely local.

The summers are long. Beginning in May they continue to the middle or latter part of September. The heat is at all times moderate in the extreme northwestern section, where the temperature seldom rises above 90°, but in the eastern and less elevated portions the heat is at times oppressive. Temperatures of 100° are not uncommon, and are likely to occur from the middle of May to the middle of September, though July and August are usually the hottest months. During the early summer the precipitation is mostly local, while during the latter part of the season tropical storms furnish the largest supply when their tracks cover this region. At times storms that move up the Mississippi and Ohio valleys cause general rains over this district.

The autumns begin late in September and continue to the end of November, and during some years to the middle of December. This is the driest season, and generally receives an abundance of sunshine, both conditions being favorable for maturing crops and harvesting them. Practically all crops ripen before the occurrence of the first killing frost of the season. Light frosts are not uncommon in the mountain districts in the latter part of September, but rarely occur in the lower elevations during this month.

The average date of the first killing frost is late in October, and of the last killing frost in the spring is late in March, varying in date for different localities, topography, and soils. Killing frosts have occurred in this region late in April and early in October, but ordinarily need not be feared so late in the spring and so early in the autumn.

As the region under discussion is well within the storm tracks that cross the central and southern parts of the country the precipitation is largely general, except in the summer, when it is principally local. During June, July, and August thunderstorms occur in some parts of this region on an average of 15 days each month. As the largest number of general storms pass to the northward of this district the northwestern portion receives the heaviest precipitation, especially during the winters, though the entire region generally receives copious rainfall and seldom suffers from drought.

Along the eastern portion of this district the average annual precipitation ranges from 43 to 45 inches. It increases regularly to over 55 inches in the northwestern portion, and it probably reaches 60 inches in the more elevated portions bordering on North Carolina.

The average precipitation by months shows two periods of greatest rainfall and two periods of least rainfall. During the winter the precipitation is fairly abundant, being greatest in February when the maximum number of flood stages occur in the principal rivers. The maximum discharges of the rivers occur in February, March, June, July, and August. After February the precipitation decreases gradually to the latter part of April, when the summer increase begins, and continues to the middle or latter part of August, then again decreases to the latter part of October or first part of November, when the winter increase begins. The dry period of spring is not so well defined as that of autumn, nor is the rainfall of the winter as abundant as that of the summer.

During the six months of principal crop growth—April to September, inclusive—about 55 per cent of the annual precipitation occurs, the average monthly amounts ranging from slightly over three inches to slightly over six inches. During June to August, inclusive, 32 per cent of the annual precipitation is received. This period coincides with the period of greatest heat as well as the principal growth of the two staple crops, corn and cotton.

The distribution of precipitation over the district and for the various elevations is shown in detail in the accompanying tables, which, as is contemplated in this summary, show the precipitation by months and years from the beginning of observations to the end of 1908.

The tables have not been grouped into sections, because there is so little variation in the rainfall and other climatic features. The accompanying chart shows the location and elevation of the different stations, and the data may be arranged by seasons and elevations as desired for study or investigation. Tables are also given showing the extremes and means of temperature, the occurrence of frost, the average number of days with rain during the various months of the year, the average relative humidity for two stations—though they are not comparable, owing to the fact that the hours of observation are not the same—and the prevailing wind, with diagrams showing the monthly distribution of precipitation.

A table showing the average hourly velocity of the wind in miles per hour is also given for Columbia, this being the only station in the district where such observations have been made, but it fairly represents the average wind velocity for the entire region. The accompanying chart shows the boundaries of the district under consideration, the location of the principal reporting stations, the mountain and river systems, and the general elevation of the surface above sea level.

Information regarding the drainage system and the discharge and estimated horsepower of the rivers in this section will be found in a special article—furnished by the Geological Survey—at the end of the tables. (JACOB W. BAUER, *Section Director.*)

Precipitation in western South Carolina. Monthly, annual, and average amounts (in inches and hundredths).

AIKEN, S. C., Aiken County, Elevation, 565 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1855..	2.08	2.19	2.72	1.31	5.60	4.79	6.18	5.62	2.15	0.24	1.81	6.13	40.82
1856..	5.30	2.34	5.79	0.79	4.46	4.50	3.25	13.80	....	....	5.54	4.60	....
1857..	4.00	0.70	3.19	2.24	4.12	2.22	5.15	6.96	0.17	0.81	1.97	4.34	35.87
1858..	5.88	4.73	3.45	2.91	1.05	3.10	3.90	5.53	5.66	1.96	2.38	5.37	45.92
1859..	2.70	4.14	4.26	4.01	4.07	3.74	4.27	7.60	2.06	0.95	2.48	4.34	44.62
1860..	0.94	7.58	1.06	2.47	2.54	2.47	4.64	4.20	0.86	1.21	2.79	3.11	33.87
1861..	6.39	4.24	2.89	4.62	3.29	1.31	0.55	5.25	1.64	2.18	2.21	1.69	36.26
1862..	6.21	8.76	3.84	5.25	2.65	6.43	4.53	4.62	2.10	2.76	3.99	4.25	55.39
1863..	3.09	5.06	3.92	2.69	3.58	6.28	10.47	4.18	2.55	3.62	3.72	7.33	56.49
1864..	1.50	1.43	6.67	2.81	3.99	10.32	1.66	5.66	3.21	5.79	4.01	4.33	51.38
1865..	4.49	5.35	6.37	0.68	3.05	3.68	7.34	3.70	1.32	1.89	9.67	7.17	54.71
1866..	1.71	2.24	2.11	7.37	6.04	5.20	5.03	2.50	2.05	1.26	1.62	2.34	39.47
1867..	2.36	2.84	6.33	3.82	3.99	11.48	1.23	10.70	4.26	4.26	2.61	2.46	56.34
1868..	5.35	3.34	3.51	9.33	6.41	2.46	2.51	6.39	4.04	3.56	....	2.66	....
1869..	5.41	6.73	2.31	1.69	1.19	3.71	5.55	4.11	1.79	1.37	2.75	4.57	41.18
1870..	2.86	2.76	4.74	....	1.92	8.30	2.35	3.22	0.82	4.40	2.10	....	....
1871..	3.38	3.72	3.13	3.57	3.28	7.09	4.86	7.96	4.15	....	....	....	....
1872..	0.52	....	....	....	1.57	....	6.89	4.21	....	1.65	3.38	3.07	....
1873..	3.31	3.60	1.46	1.53	9.85	5.12	3.75	8.68	5.69	1.21	4.36	3.22	51.78
1874..	3.02	9.53	5.96	5.32	2.94	3.20	3.95	7.14	5.66	1.22	1.54	3.71	53.19
1875..	5.51	4.32	8.84	3.74	2.25	3.45	4.79	3.37	5.94	0.81	3.51	3.12	49.65
1876..	1.11	3.09	3.60	....	....	....	4.26	6.54	....	2.82	2.32	4.04	....
1877..	2.84	3.09	2.76	4.88	1.36	5.37	3.29	3.20	2.75	4.56	4.75	2.70	41.55
1878..	4.31	1.92	0.62	1.59	2.32	1.84	3.52	6.54	5.71	1.53	2.94	4.15	36.99
1879..	1.65	2.61	2.61	6.39	2.00	....	....	....	....	4.09	1.89	2.26	....
1880..	2.21	2.65	5.02	....	....	....	....	....	....	....	3.97	3.41	....
1881..	7.72	3.05	6.70	4.15	1.85	1.98	5.30	....	3.10	1.22	3.52	3.93	....
1882..	2.35	0.95	....	....	....	....	3.32	3.51	4.06	3.36	5.40	4.06	....
1883..	6.97	1.65	....	....	....	....	....	....	....	....	3.48	1.61	....
1884..	2.58	3.08	7.61	4.40	3.13	....	....	....	....	....	1.91	6.02	....
1885..	8.16	3.97	2.46	2.19	8.03	....	....	....	....	....	1.03	2.78	....
1886..	3.40	2.20	5.75	3.10	5.58	9.21	8.40	5.60	1.55	....	1.83	3.26	....
1887..	4.48	3.89	0.98	2.77	3.84	3.99	4.83	....	....	7.59	0.80	4.74	....
1888..	3.95	5.89	7.87	1.60	6.68	5.39	4.23	5.60	12.06	5.49	2.15	4.46	65.37
1889..	8.79	5.33	3.79	4.10	1.13	....	....	....	....	....	2.58	1.07	....
1890..	1.08	1.85	5.10	3.07	4.35	....	....	....	....	....	0.50	1.01	....
1891..	2.99	3.83	9.00	1.20	5.91	4.34	7.68	14.09	2.00	3.10	2.79	3.49	60.42
1892..	8.59	4.93	4.93	1.73	....	....	....	....	....	0.23	1.72	1.67	....
1893..	3.20	6.73	1.20	....	....	....	....	....	....	....	2.12	4.59	....
1894..	2.02	4.49	2.25	2.70	....	....	....	....	....	3.60	1.70	1.85	....
1895..	to 1901	....	....	....	....	....	....	....	....	....	....	....	....
1902..	1.35	5.80	5.32	3.35	2.02	3.70	4.47	7.75	3.64	4.42	3.70	5.10	50.62
1903..	3.10	8.55	....	....	....	....	....	....	....	....	2.90	2.06	....
1904..	2.85	3.59	3.40	1.45	1.65	0.55	4.70	3.92	0.40	T.	2.45	3.25	28.21
1905..	2.00	7.25	3.10	3.20	4.35	2.10	5.80	3.10	0.55	1.70	1.99	8.10	43.24
1906..	5.25	2.52	4.40	1.85	2.30	6.70	10.09	6.12	4.05	1.35	1.25	3.70	49.58
1907..	1.35	4.20	0.95	4.15	3.57	4.92	6.87	5.72	3.42	0.00	4.30	5.18	44.63

AIKEN, S. C., Aiken County. Elevation, 565 feet—Continued.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1908..	5.57	4.70	4.18	4.33	1.45	5.16	1.83	5.70	1.65	4.72	1.10	3.10	43.49
M'ns	3.73	4.07	4.09	3.29	3.58	4.67	4.76	5.96	3.16	2.53	2.83	3.76	46.43

ANDERSON, S. C., Anderson County. Elevation, 764 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1884..	....	....	....	....	....	7.22	2.58	1.92	0.06	0.78	....	....	....
1885..	....	....	....	....	2.35	3.74	3.45	4.48	5.12	5.32	....	....	....
1886..	....	....	....	....	10.39	8.63	6.51	5.61	1.27	0.00	....	....	....
1887..	1.64	4.61	2.44	0.96	2.19	5.53	7.68	8.96	0.70	3.34	....	....	....
1888..	2.42	7.50	7.85	1.78	5.60	2.62	4.44	6.53	10.50	4.06	....	3.80	....
1889..	6.13	6.56	....	3.40	2.57	5.53	6.27	6.11	....	....	....	0.67	....
1890..	2.00	4.64	3.41	3.00	9.08	3.29	5.32	3.31	7.18	7.19	0.11	3.95	52.48
1891..	7.12	9.53	11.60	2.63	3.65	2.50	5.90	6.66	1.80	0.59	3.35	2.82	58.15
1892..	9.82	5.20	4.45	4.85	2.15	11.91	5.15	2.76	4.97	0.29	3.29	2.91	54.29
1893..	2.02	7.71	2.20	1.95	5.36	6.52	2.06	5.94	6.76	5.36	2.41	1.82	50.11
1894..	5.33	5.31	2.17	2.60	3.76	2.94	3.86	3.83	3.25	4.73	1.60	5.37	44.75
1895..	8.08	2.34	6.62	4.06	4.77	0.80	2.42	6.96	0.99	0.66	3.75	3.94	45.39
1896..	4.36	4.00	2.02	1.02	1.67	4.73	7.44	1.11	2.91	1.85	7.46	2.48	41.05
1897..	3.85	6.81	5.39	4.20	1.73	3.12	6.06	6.32	1.98	4.17	4.28	2.76	50.67
1898..	3.83	0.95	4.16	4.03	1.03	3.98	9.01	9.34	5.50	4.83	3.27	3.16	53.09
1899..	6.40	9.81	6.82	2.33	2.05	4.80	3.30	2.60	0.55	3.80	1.67	3.52	47.65
1900..	2.70	10.61	7.47	7.19	2.87	15.43	3.35	1.90	2.87	5.08	4.38	4.24	68.09
1901.	5.00	3.70	6.20	6.00	8.00	8.25	4.20	17.35	8.30	0.98	0.07	8.80	77.45
1902..	3.40	9.99	4.93	1.50	2.74	3.64	4.29	3.19	4.95	2.24	3.33	4.32	48.52
1903..	4.20	8.40	5.65	3.10	2.56	7.16	2.72	5.34	0.90	1.38	1.57	1.89	44.87
1904..	2.01	3.12	3.76	1.95	1.57	3.93	2.55	12.13	0.63	0.24	2.12	4.38	38.39
1905..	2.22	3.70	0.89	3.91	7.76	3.26	5.82	5.23	0.63	2.28	2.06	7.93	45.69
1906..	8.06	1.16	7.81	1.59	4.93	4.53	8.73	4.52	5.78	2.41	1.33	4.39	55.24
1907..	0.62	3.38	1.96	4.97	3.49	4.01	4.41	4.43	4.48	1.14	6.03	6.58	45.50
1908..	4.85	4.86	4.82	5.75	3.20	4.05	4.12	18.39	2.72	5.57	1.99	3.98	64.30
M'ns	4.37	5.63	4.60	3.31	3.98	5.28	4.67	6.12	3.54	2.84	2.82	3.99	51.15

NOTE—From 1888 to January 1892 the values given are for Evergreen.

BATESBURG, S. C., Lexington County. Elevation, 656 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1884..	....	....	....	....	....	5.25	4.45	5.14	5.09	0.00	....	....	....
1885..	....	....	....	....	4.59	5.29	3.45	3.23	4.28	6.14	....	....	....
1886..	....	....	....	1.10	5.13	6.06	4.80	2.62	2.50	0.14	....	....	....
1887..	....	....	....	....	3.29	4.71	11.19	8.37	0.58	6.51	....	....	....
1888..	....	....	....	0.82	8.55	3.47	2.53	4.65	10.44	5.18	....	....	....
1889..	....	....	....	0.37	1.50	6.74	9.08	6.33	2.90	2.91	3.64	....	....
1890..	....	....	....	....	4.01	4.27	9.16	4.10	4.50	4.75	0.25	....	....
1891..	....	....	....	....	6.31	2.64	6.53	11.05	1.61	0.60	2.35	....	....

BATESBURG, S. C., Lexington County. Elevation, 656 feet—Continued.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892..	....	....	....	....	2.97	7.99	8.11	5.78	6.93	0.40	2.02	....	....
1893..	....	....	....	0.60	6.15	12.05	4.51	13.06	4.08	3.94	2.65	....	....
1894..	1.60	5.75	2.00	1.70	3.25	4.18	11.74	5.38	6.23	5.60	2.34	2.20	51.97
1895..	6.80	3.20	7.00	5.33	6.18	2.35	3.85	6.54	1.06	1.30	1.95	3.60	49.16
1896..	3.60	7.80	2.40	1.50	2.96	5.30	8.63	3.85	2.20	0.85	3.00	1.10	43.19
1897..	6.15	6.13	3.85	2.08	3.50	4.51	8.16	6.54	4.20	5.05	1.10	1.40	52.67
1898..	2.20	0.62	3.32	4.90	2.20	2.04	7.00	5.98	1.12	2.20	5.20	1.96	38.74
1899..	5.55	11.23	6.47	2.80	1.01	3.50	2.50	5.30	4.18	6.25	2.60	4.05	55.44
1900..	2.05	7.05	3.58	6.00	1.71	4.44	2.29	0.84	4.71	3.71	3.90	3.64	43.92
1901..	3.75	4.55	4.40	6.47	5.94	4.68	0.82	6.62	5.49	1.50	1.01	6.83	52.06
1902..	2.82	7.76	6.62	2.55	0.90	6.38	2.39	8.68	2.47	7.34	4.08	5.34	57.33
1903..	4.78	11.10	11.14	3.31	3.27	8.63	3.06	7.80	4.26	2.66	3.17	2.73	65.91
1904..	3.64	4.71	4.13	2.43	2.88	2.27	3.65	7.64	1.22	0.66	3.52	3.29	40.04
1905..	2.02	4.63	2.04	5.02	2.95	0.47	4.93	4.68	0.92	2.31	1.29	6.92	38.18
1906..	6.90	2.58	6.78	1.90	2.61	8.76	9.49	8.56	4.86	2.79	1.05	2.51	58.79
1907..	0.56	5.31	0.96	4.25	6.82	4.06	3.34	4.11	4.10	0.06	3.97	5.46	43.00
1908..	4.48	4.89	2.80	2.92	1.05	3.52	3.19	9.29	1.92	5.27	1.91	2.76	44.00
M'ns	3.79	5.82	4.50	2.82	3.70	4.87	5.30	5.66	3.67	3.05	2.55	3.59	49.32

CALHOUN FALLS, S. C., Abbeville County. Elevation, 508 feet.

1892..	*9.00	3.68	5.22	3.20	1.12	9.87	5.13	1.43	4.74	0.31	2.63	3.06	46.89
1893..	2.24	6.97	1.71	1.98	2.98	4.74	4.66	7.26	4.93	3.25	1.75	1.91	44.38
1894..	3.44	3.85	1.52	1.78	2.75	4.13	8.82	7.78	3.57	5.31	3.12	4.39	50.46
1895..	6.83	1.98	7.02	4.87	4.41	1.69	3.15	11.33	0.35	0.74	2.11	4.41	48.89
1896..	3.81	5.79	2.40	2.46	2.55	2.09	10.27	4.26	2.53	2.37	8.17	4.63	51.33
1897..	3.93	7.93	4.39	5.50	2.97	1.82	4.86	6.38	2.78	1.87	2.43	1.56	46.42
1898..	2.54	0.43	4.22	5.05	0.98	2.77	8.93	8.30	10.64	6.13	3.78	3.41	57.18
1899..	5.83	9.83	3.97	1.07	2.39	2.75	4.22	6.65	3.11	4.23	1.68	3.29	49.02
1900..	2.52	7.81	6.39	7.11	3.04	10.79	3.13	0.86	3.55	6.61	3.55	5.55	60.91
1901..	5.54	3.31	5.88	7.13	9.17	5.84	2.09	13.48	5.16	1.14	0.99	7.16	66.89
1902..	3.49	7.20	6.20	1.49	1.03	4.25	1.85	3.04	6.26	3.38	1.70	5.82	45.71
1903..	2.53	9.27	6.93	1.82	1.74	7.77	3.61	1.10	2.19	0.86	0.46	1.41	39.69
1904..	1.59	3.72	2.49	1.44	3.39	1.29	3.92	5.75	0.70	0.54	2.49	2.54	29.84
1905..	3.60	4.27	1.48	1.90	8.12	0.66	14.29	2.93	1.76	1.53	1.26	5.45	47.25
1906..	7.80	2.53	8.93	2.84	5.50	7.69	6.89	8.08	9.04	3.06	1.41	2.55	66.41
1907..	0.55	3.86	2.69	3.40	3.57	4.10	3.73	3.29	4.25	0.58	5.97	7.84	43.83
1908..	5.00	6.29	3.18	7.90	2.17	5.48	4.70	12.60	4.13	4.83	1.34	3.08	60.70
M'ns	4.13	5.22	4.39	3.58	3.40	4.69	5.54	6.15	4.10	2.75	2.63	4.00	50.43

* Interpolated from surrounding stations.

NOTE—From 1892 to February, 1899, the values given are for Mt Carmel.

CAMDEN, S. C., Kershaw County. Elevation, 222 feet.

1866..	1.43	2.43	1.43	4.89	5.61	4.00	2.52	3.20	0.80	2.62	1.46	2.69	33.08
1867..	2.12	2.08	2.85	2.71	2.73	5.52	1.24	10.22	4.58	5.33	1.97	2.92	44.27
1868..	5.89	4.65	1.76	6.40	1.61	1.84	8.40	7.26	4.61	3.47	0.00	5.21	51.10
1869..	2.48	3.22	2.12	1.31	1.93	1.79	4.22	2.52	1.11	0.35	2.38	6.67	30.10
1870..	2.85	3.83	6.60	3.00	3.57	4.68	4.64	5.27	1.22	5.60	1.59	2.98	45.83
1871..	0.97	7.07	2.77	3.02	5.12	3.19	2.09	4.96	1.82	2.77	4.19	2.17	40.14
1872..	2.44	6.28	5.31	1.05	1.70	4.91	4.53	3.80	2.47	1.83	2.23	2.00	38.55
1873..	2.67	4.59	1.26	2.06	6.53	2.44	4.62	9.94	8.51	0.51	2.57	2.49	48.19
1874..	2.36	4.82	3.78	7.70	1.80	6.23	7.22	2.36	5.03	1.40	1.94	2.77	47.41
1875..	4.96	4.99	6.03	3.81	4.32	2.31	5.49	5.08	3.68	1.10	3.16	3.86	48.79
1876..	0.60	3.60	2.83	3.46	2.66	7.43	6.60	1.82	4.46	1.78	2.61	3.33	41.18
1877..	2.83	2.34	4.46	4.83	1.32	3.20	4.67	1.26	6.76	3.32	4.37	4.80	44.16
1878..	4.41	0.76	0.63	3.34	1.58	4.96	6.42	14.75	6.82	1.32	2.68	3.31	50.98
1879..	1.70	3.06	2.35	3.74	2.23	1.49	4.60	4.39	2.07	1.42	1.33	1.93	30.37
1880..	1.65	2.56	5.22	4.72	0.48	1.96	7.30	2.98	4.13	1.34	4.03	2.67	39.04
1881..	5.55	3.77	4.05	3.78	1.04	0.58	0.39	3.66	3.95	2.77	2.55	3.61	35.70
1882..	3.13	2.11	4.18	3.78	3.86	3.98	2.98	8.43	3.87	2.71	2.97	5.23	47.23
1883..	5.79	1.64	3.77	3.97	3.74	4.64	1.65	2.72	2.77	2.74	2.73	1.79	37.95
1884..	5.35	2.73	4.73	3.82	3.54	3.19	5.54	1.77	4.71	0.04	1.11	4.02	40.55
1885..	6.22	3.65	1.40	1.52	5.02	5.36	5.68	2.80	5.34	2.89	1.83	3.29	46.99
1886..	2.61	1.59	3.40	2.01	5.66	7.07	4.78	2.78	2.19	0.39	0.92	2.19	35.59
1887..	3.13	2.27	1.37	1.91	2.14	1.92	4.13	2.23	0.86	7.23	0.55	3.54	31.28
1888..	2.25	3.24	6.83	1.26	9.15	2.80	2.70	2.00	6.52	3.67	1.50	4.26	46.18
1889..	5.03	3.93	3.20	0.54	1.92	5.15	9.95	7.54	4.03	3.91	3.49	0.88	49.57
1890..	0.86	2.29	3.32	1.74	4.19	2.27	6.32	3.95	6.12	3.40	1.05	2.02	37.53
1891..	3.19	3.89	0.95	1.24	2.80	....	....	....	3.26	2.06	1.73	1.47	....
1892..	7.33	6.57	3.96	1.25	1.61	2.73	4.00	2.79	4.02	0.57	0.93	2.52	38.28
1893..	2.36	5.13	1.18	0.48	5.50	7.11	2.93	8.70	1.99	4.13	1.97	3.63	45.11
1894..	2.41	4.69	1.71	1.56	1.81	2.00	3.97	6.39	7.52	5.77	1.85	2.56	42.24
1895..	8.09	3.12	6.36	6.05	3.05	7.04	2.68	7.48	0.92	1.68	1.79	2.94	51.20
1896..	2.63	6.38	2.24	0.72	3.06	3.55	9.68	2.68	2.52	0.42	2.88	4.05	40.81
1897..	1.73	8.18	3.23	3.13	3.68	7.03	5.94	3.18	3.33	2.08	2.11	1.92	45.54
1898..	1.83	1.01	3.45	4.88	0.85	4.91	11.62	13.55	3.31	3.41	4.70	1.54	55.06
1899..	5.32	9.28	4.23	2.76	0.53	3.14	5.50	6.42	3.34	6.75	2.50	2.79	52.56
1900..	1.85	6.10	4.97	7.17	1.67	6.10	6.42	2.31	1.65	2.90	4.62	6.03	51.79
1901..	3.75	2.52	6.49	5.14	6.28	6.34	3.69	9.75	8.24	0.45	0.63	5.37	58.65
1902..	1.97	4.67	3.69	1.98	4.62	5.46	3.56	5.43	2.25	4.31	2.95	4.28	45.17
1903..	2.84	7.87	6.44	2.85	3.50	9.55	3.46	7.77	4.21	3.49	1.42	1.91	55.31
1904..	3.50	3.80	3.61	1.41	1.46	3.65	6.51	5.11	1.76	1.40	3.12	2.57	37.90
1905..	1.66	3.95	2.05	3.79	5.40	0.48	5.10	7.74	2.02	1.60	1.12	7.78	42.69
1906..	4.55	2.34	5.87	1.70	4.30	8.13	6.94	4.92	4.40	5.58	0.71	2.24	51.68
1907..	0.67	4.27	1.46	3.04	6.16	5.82	4.51	5.74	6.98	0.46	3.96	5.98	49.05
1908..	4.86	4.78	4.83	2.19	1.72	3.92	5.90	14.42	6.00	4.43	1.41	2.89	57.35
M'ns	3.26	4.00	3.68	3.06	3.29	4.28	5.03	5.53	3.82	2.68	2.22	3.33	44.18

NOTE—From 1866 to May, 1891, the values given are for Kirkwood.

CLARKS HILL, S. C., Edgefield County. Elevation, 456 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903..	3.15	9.20	7.31	2.08	2.69	5.67	2.64	3.05	3.28	2.52	2.22	1.98	45.79
1904..	2.97	3.21	3.42	1.20	2.46	4.20	6.51	5.60	0.46	0.16	2.18	3.97	36.34
1905..	1.57	5.99	2.03	2.16	3.73	2.55	4.38	5.71	0.56	1.73	2.23	9.82	42.46
1906..	4.50	1.97	3.78	1.47	3.53	7.04	6.02	8.00	5.04	2.21	0.97	3.36	47.89
1907..	1.57	4.90	1.06	3.65	2.76	4.95	5.97	2.45	6.88	0.43	4.40	6.74	45.76
1908..	6.71	4.61	4.84	6.49	2.10	3.28	4.10	4.95	1.93	2.28	1.39	2.66	45.34
M'ns	3.41	4.98	3.74	2.84	2.88	4.62	4.94	4.96	3.02	1.56	2.23	4.76	43.94

CLEMSON COLLEGE, S. C., Oconee County. Elevation, 850 feet.

1892..	5.08	5.03	3.13	2.94	2.10	10.55	6.98	4.41	5.13	0.51	4.45	3.08	53.39
1893..	2.00	8.13	2.24	2.35	3.43	6.41	1.85	5.13	4.17	3.73	1.67	1.63	42.74
1894..	5.73	5.32	2.80	1.84	3.08	4.71	6.21	3.94	2.74	3.10	0.81	6.46	46.44
1895..	8.21	2.09	5.96	5.52	4.31	4.99	1.30	7.22	0.13	1.22	2.77	4.77	48.49
1896..	4.19	5.19	1.69	0.92	4.67	1.94	11.28	1.02	9.21	1.88	7.55	1.59	51.13
1897..	3.72	6.63	6.15	4.27	0.81	2.68	2.75	2.44	1.52	4.23	3.61	2.96	41.77
1898..	3.45	0.97	3.20	3.63	0.85	1.71	10.31	7.91	5.52	5.94	3.01	3.68	50.18
1899..	5.61	7.93	8.02	2.70	1.26	3.52	4.00	3.00	1.44	3.35	2.35	3.43	46.61
1900..	2.80	10.02	5.52	7.39	2.12	14.29	2.59	3.43	2.64	3.81	2.33	3.99	60.93
1901..	5.32	3.77	6.18	6.69	7.16	7.92	2.56	13.17	6.83	0.30	0.75	9.50	70.15
1902..	4.14	9.44	4.70	1.47	1.42	4.28	4.66	3.17	5.42	3.14	4.43	5.22	51.49
1903..	5.21	12.48	8.21	4.17	0.60	4.01	2.26	4.41	1.88	1.60	2.43	2.10	49.36
1904..	3.84	3.87	4.77	1.61	2.08	3.82	1.44	9.48	1.89	0.00	2.41	3.56	38.77
1905..	3.62	4.90	1.22	2.79	8.65	1.07	7.29	7.20	1.66	3.51	1.49	10.09	53.49
1906..	11.65	1.08	8.02	1.89	2.74	5.67	17.77	7.35	8.82	4.11	1.66	5.97	76.73
1907..	1.16	3.62	3.11	4.67	4.29	2.22	2.41	4.74	3.26	1.58	4.85	7.45	43.36
1908..	7.53	5.43	5.24	6.17	1.58	4.84	6.64	7.27	1.82	5.61	1.66	5.90	59.69
M'ns	4.90	5.66	4.72	3.59	3.01	3.98	5.41	5.61	3.77	2.80	2.90	4.79	51.14

COLUMBIA, S. C., Richland County. Elevation, 351 feet.

1872..	....	....	....	....	....	6.09	6.65	5.05	0.60	2.51	3.80	3.30	....
1873..	3.85	4.60	2.21	1.85	10.09	5.66	7.50	9.74	9.70	0.80	4.63	2.62	63.25
1874..	4.29	5.54	4.28	7.41	2.10	6.24	5.91	4.50	7.25	0.78	1.76	3.08	53.14
1875..	6.85	3.83	8.26	4.85	5.35	2.08	3.55	5.98	2.78	0.24	2.35	2.98	49.10
1876..	0.55	2.84	2.87	2.94	3.68	9.62	8.60	4.65	7.50	2.40	3.30	4.60	53.55
1877..	to 188	0........	....	....	....	....	....	....	....	....	....	....	....
1881..	....	....	....	....	3.11	0.95	2.23	3.91	3.92	2.11	2.89	4.09	....
1882..	3.56	2.07	5.88	5.18	2.83	2.42	7.02	7.76	2.58	3.43	....	....	....
1883..	....	....	....	6.24	3.04	6.18	4.51	1.41	4.02	2.84	....	....	....
1884..	....	....	....	3.93	3.09	5.12	2.48	3.53	5.09	0.00	....	....	....
1885..	....	....	....	....	9.21	4.90	5.04	2.86	2.47	4.02	....	....	....
1886..	....	....	....	....	9.41	6.26	6.23	3.37	2.98	0.19	....	....	....
1887..	3.46	2.32	1.52	2.17	3.29	3.97	6.04	5.21	0.56	7.43	0.55	3.73	40.25
1888..	2.30	4.25	6.20	0.91	6.66	2.18	4.57	5.49	5.71	4.29	2.28	3.07	47.91
1889..	5.18	5.75	2.44	1.51	0.95	4.02	9.26	8.30	2.41	3.62	3.57	0.75	47.76
1890..	1.07	1.58	2.80	2.19	4.17	1.13	9.34	3.93	7.09	4.35	1.47	1.57	40.69
1891..	3.21	3.70	6.99	1.20	2.92	4.65	5.01	8.13	4.94	1.31	2.39	1.92	46.37
1892..	7.63	4.41	3.78	1.43	2.59	3.12	4.71	9.72	4.64	0.27	1.55	1.67	45.52
1893..	1.36	4.83	1.20	0.47	3.79	8.53	2.95	8.64	2.79	2.48	1.72	2.91	41.67
1894..	1.73	5.33	2.09	1.37	1.69	2.89	5.01	5.95	5.18	4.40	1.73	2.29	39.66
1895..	7.27	3.25	6.38	5.91	3.80	3.59	5.50	9.57	1.47	1.48	1.71	3.27	53.20
1896..	3.16	8.00	1.52	0.95	3.66	3.26	10.89	2.38	0.71	0.42	3.53	3.38	41.89
1897..	2.28	9.11	3.66	2.32	1.30	4.43	9.66	5.13	2.49	1.87	1.06	1.90	45.21
1898..	1.78	0.60	3.29	4.90	1.15	3.12	12.17	9.85	3.04	2.39	5.78	1.46	49.53
1899..	5.41	8.59	3.57	2.43	0.65	2.56	5.27	6.28	3.13	6.95	1.89	3.01	49.74
1900..	1.57	5.93	4.35	5.63	3.50	6.80	4.35	0.61	3.29	4.88	3.65	6.17	50.73
1901..	3.34	3.11	4.50	4.04	8.52	4.94	2.58	7.76	6.13	0.47	0.95	4.88	51.22
1902..	1.85	5.12	4.16	3.23	3.33	4.43	2.78	7.14	2.86	4.39	3.31	3.60	46.20
1903..	3.06	7.30	3.90	3.11	2.39	9.97	2.94	9.47	2.68	1.94	1.36	1.70	49.82
1994..	2.62	3.01	2.63	1.23	1.00	3.05	3.21	7.69	2.50	2.33	2.11	2.38	33.76
1905..	1.71	5.03	2.26	7.51	3.75	0.86	6.90	9.30	2.57	1.43	1.30	7.34	49.96
1906..	4.12	1.60	5.01	2.74	2.25	8.66	8.51	6.85	3.64	1.80	0.80	2.56	48.54
1907..	0.80	3.65	0.88	2.61	5.80	2.63	3.56	4.67	5.72	0.40	4.04	4.22	38.98
1908..	6.27	3.74	4.15	3.24	2.93	4.21	3.46	7.65	2.21	2.92	1.30	2.40	44.48
M'ns	3.34	4.30	3.73	3.22	3.81	4.50	5.86	6.14	3.78	2.46	2.38	3.10	46.62

GREENVILLE, S. C., Greenville County. Elevation, 989 feet.

1884..	....	....	....	5.68	1.96	9.69	7.25	1.42	0.00	0.10	....	....	....
1885..	....	....	....	....	4.16	4.37	3.75	6.39	3.97	6.78	....	....	....
1886..	....	....	....	1.35	8.36	10.99	6.06	7.38	1.73	0.00	....	....	....
1887..	....	....	....	....	3.15	3.53	4.05	12.12	1.72	2.82	....	....	....
1888..	....	....	9.39	2.41	7.60	1.05	2.97	3.37	8.92	4.25	....	....	....
1889..	....	....	....	....	3.65	4.05	7.99	6.36	5.56	1.08	6.88	0.71	....
1890..	1.91	5.35	5.60	2.60	8.03	2.32	5.25	5.15	3.89	6.91	0.05	4.15	52.21
1891..	5.86	8.31	11.60	2.82	4.83	4.30	6.55	6.84	0.49	0.37	4.31	3.65	59.93
1892..	8.12	3.67	4.96	4.00	3.42	9.27	7.16	6.21	4.76	0.27	3.81	2.70	58.35
1893..	2.31	8.25	2.01	2.95	3.87	6.66	4.88	5.69	4.49	5.43	2.89	1.99	51.42
1894..	4.95	4.93	2.30	1.68	4.70	3.98	6.84	3.03	3.75	4.19	1.07	6.40	47.82
1895..	7.40	2.09	6.11	5.89	3.34	3.07	3.43	4.84	2.32	0.63	3.62	4.54	47.28
1896..	3.67	4.68	1.86	1.37	5.07	4.56	9.27	2.27	3.49	2.73	9.48	2.23	50.68
1897..	3.45	7.85	7.79	4.82	2.88	3.63	5.75	3.45	2.42	3.94	4.54	2.39	52.91
1898..	3.54	0.80	3.42	4.51	1.50	2.18	11.20	10.10	6.31	5.26	3.35	3.29	55.46
1899..	5.78	7.43	7.51	4.63	0.80	2.31	1.64	2.82	2.30	2.03	1.57	3.84	42.66
1900..	2.88	9.13	7.58	7.92	1.90	9.75	2.23	1.39	3.51	2.86	4.41	3.68	57.24
1901..	4.95	3.30	8.68	7.13	7.48	7.99	4.51	15.72	7.35	0.82	0.68	9.22	77.83
1902..	3.02	9.35	4.52	1.94	1.47	5.34	3.41	4.49	4.42	3.39	2.39	6.38	50.12
1903..	4.94	11.59	7.35	4.47	1.13	9.06	4.04	4.05	2.16	1.39	1.95	2.32	54.45
1904..	2.25	4.18	3.99	2.29	1.93	3.59	2.15	12.19	2.45	T.	3.70	4.90	43.62

GREENVILLE, S. C., Greenville County. Elevation, 989 feet—Continued.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1905..	4.09	3.73	2.05	2.38	6.51	1.95	8.91	7.98	1.97	3.32	1.44	8.85	53.18
1906..	10.63	0.96	7.68	1.35	3.24	4.28	10.00	4.23	10.35	3.43	1.30	5.06	62.51
1907..	0.38	2.23	2.14	3.37	4.32	6.90	2.27	5.05	6.31	1.27	6.05	6.82	47.11
1908..	5.31	6.65	4.24	3.77	1.45	4.56	8.77	19.52	3.82	6.14	3.09	5.18	72.50
M'ns	4.50	5.50	5.50	3.61	3.87	5.18	5.60	6.52	3.93	2.78	3.33	4.42	54.74

GREENWOOD, S. C., Greenwood County. Elevation, 671 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1884..	....	....	....	....	....	10.51	5.82	4.65	1.49	0.24	....	....	....
1885..	....	....	....	....	4.09	4.18	2.36	5.13	3.69	5.59	....	....	....
1886..	....	....	....	2.01	8.28	7.32	6.24	4.58	1.65	0.00	....	....	....
1887..	....	....	....	....	4.2)	2.99	8.13	7.05	2.56	4.01	....	5.09	....
1888..	4.34	....	....	1.07	6.53	1.62	2.75	6.47	17.90	3.27	....	....	....
1889..	....	....	....	....	0.96	4.38	6.81	5.10	3.01	0.70	3.56	1.00	....
1890..	1.10	1.88	2.80	....	6.71	0.78	5.78	3.39	7.27	6.17	0.00	....	....
1891..	....	....	....	....	3.46	1.12	3.18	4.94	3.72	0.42	3.08	....	....
1892..	....	....	....	0.76	2.77	10.48	4.29	2.91	5.54	0.68	2.00	5.81	....
1893..	0.60	5.50	....	....	3.02	5.56	1.59	5.48	3.16	0.72	1.96	....	....
1894..	1.64	4.59	0.93	1.60	5.10	3.52	6.95	7.52	3.31	4.14	2.38	5.09	46.77
1895..	11.83	2.21	6.06	4.48	9.94	1.88	3.78	10.04	0.10	1.14	3.84	4.49	59.79
1896..	4.48	4.40	1.65	2.26	1.94	4.21	15.72	2.62	0.56	2.55	8.11	2.89	51.39
1897..	4.25	7.56	4.04	4.28	2.20	3.39	5.16	3.14	3.04	2.34	2.34	1.92	43.66
1898..	2.58	0.57	3.77	4.12	1.65	4.15	4.92	7.18	4.44	5.59	3.85	2.22	45.05
1899..	5.20	9.76	4.26	1.64	1.84	1.84	2.17	6.16	3.80	5.05	1.91	2.26	45.89
1900..	2.16	6.07	5.75	7.28	1.61	8.01	1.05	1.17	2.45	4.10	3.49	5.69	48.83
1901..	3.96	3.84	4.24	6.48	8.31	5.09	2.58	8.61	5.92	1.22	0.90	7.65	58.80
1902..	3.05	8.14	5.59	1.92	2.12	5.38	2.10	3.86	4.98	4.58	3.60	6.06	51.38
1903..	3.94	9.26	6.46	2.01	2.81	4.84	1.70	7.46	1.44	2.11	1.23	1.14	44.40
1904..	2.41	4.43	2.68	1.64	3.05	1.86	3.31	11.02	1.79	0.40	2.32	4.72	39.63
1905..	1.55	6.24	1.65	2.93	5.36	3.07	5.61	4.12	0.48	1.43	1.83	9.27	43.54
1906..	6.09	1.89	5.89	2.28	1.68	5.06	9.71	6.32	5.15	2.62	0.72	3.80	51.21
1997..	0.44	3.72	1.94	3.52	2.35	6.32	3.83	3.71	5.43	1.25	8.25	7.35	48.11
1908..	4.90	6.30	4.23	3.65	0.70	6.93	7.57	10.54	1.88	4.54	2.03	4.85	58.12
M'ns	3.51	5.09	3.78	3.00	3.78	4.58	4.92	5.73	3.77	2.59	2.87	4.48	48.10

HEATH SPRINGS, S. C., Lancaster County. Elevation, 568 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902..	3.27	6.30	3.12	2.25	2.56	3.77	2.65	7.34	1.78	5.32	3.55	2.65	44.56
1903..	4.00	8.08	5.38	4.54	1.14	10.19	1.82	12.15	2.81	2.61	0.83	1.70	55.25
1904..	4.56	3.16	2.72	1.02	2.56	6.28	3.92	12.09	1.46	1.36	3.42	3.49	46.04
1905..	1.87	5.97	1.93	4.23	4.53	0.40	4.52	8.07	2.25	1.49	1.18	7.83	44.27
1906..	5.50	1.60	5.19	0.97	3.33	8.80	5.03	5.33	5.03	3.87	0.60	3.21	48.46
1907..	0.86	3.86	1.60	4.52	5.27	5.27	4.78	5.70	6.65	0.56	4.83	7.13	51.03
1908..	6.26	4.26	5.20	4.06	2.45	5.08	....	....	....	....	....	....	....
M'ns	3.76	4.75	3.59	3.08	3.12	5.68	3.78	8.45	3.33	2.54	2.40	4.34	48.83

LIBERTY, S. C., Pickens County. Elevation, 900 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	....	....	....	....	....	....	2.66	5.15	13.08	3.98	2.62	1.92	....
1894..	5.35	5.06	1.73	2.02	3.44	2.88	6.83	4.94	2.34	2.49	1.35	6.37	44.80
1895..	7.95	1.96	4.43	5.84	4.74	2.36	3.32	7.07	T.	1.55	2.28	1.25	42.75
1896..	4.00	3.92	1.09	1.27	3.12	4.60	10.30	1.07	8.06	1.89	4.62	0.78	44.72
1897..	....	....	....	....	....	....	....	....	....	....	....	....	....
1898..	4.06	3.65	0.90	3.72	0.55	1.58	6.96	12.03	6.50	5.43	3.52	4.13	53.03
1899..	5.31	8.09	9.10	3.28	1.15	1.98	4.22	3.00	1.70	2.70	1.60	3.60	45.73
1900..	3.25	10.21	5.32	6.01	2.04	12.88	5.90	2.55	3.05	3.62	3.18	4.51	63.42
1901..	5.60	3.34	8.68	8.07	5.46	8.26	6.89	19.32	5.64	0.69	1.03	9.54	82.52
1902..	3.24	8.04	4.38	1.37	0.29	3.01	3.78	6.21	5.62	3.31	3.75	5.86	48.86
1903..	5.10	10.73	7.56	5.55	0.25	4.93	2.33	4.74	2.51	1.66	2.28	2.27	49.91
1904..	2.94	3.65	4.34	2.45	3.35	4.27	3.95	8.64	0.44	T.	3.33	3.77	41.13
1905..	4.20	4.83	1.46	3.72	6.72	2.55	4.18	8.70	1.60	5.20	2.41	9.49	55.06
1906..	11.69	1.60	8.29	2.62	3.36	5.49	11.89	7.56	6.71	3.40	1.67	6.98	71.26
1907..	0.76	3.32	2.78	4.81	6.11	4.20	5.96	4.35	5.57	1.32	6.58	8.40	54.16
1908..	6.25	5.12	5.80	5.25	3.45	5.06	7.90	15.08	3.30	6.65	1.55	4.60	70.01
M'ns	4.98	5.25	4.70	4.00	3.14	4.58	5.40	7.36	4.47	2.93	2.78	4.90	54.86

NOTE—From 1893 to 1899 the values given are for Central.

LITTLE MOUNTAIN, S. C., Newberry County. Elevation, 711 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	....	....	....	....	....	....	....	....	....	3.74	1.15	2.49	....
1894..	3.12	5.11	0.71	2.15	4.08	1.85	6.31	8.13	3.73	5.38	1.37	2.66	44.60
1895..	6.13	2.39	4.04	7.64	4.49	1.90	7.24	4.91	0.12	1.30	2.45	4.41	47.02
1896..	3.61	7.27	2.98	1.64	1.60	4.58	11.38	3.37	6.74	1.50	3.27	2.61	50.55
1897..	3.43	7.65	3.36	2.76	2.78	7.89	3.44	4.41	2.05	1.75	2.00	2.13	43.65
1898..	1.80	0.64	4.80	5.75	1.51	3.80	6.46	5.15	3.31	2.16	4.91	1.28	41.57
1899..	4.63	8.09	4.19	1.34	1.87	1.81	3.61	3.97	3.81	6.49	1.95	2.72	44.48
1900..	1.84	7.06	4.22	6.04	2.39	6.49	2.71	3.43	3.92	4.37	4.58	4.93	51.98
1901..	3.27	3.38	4.15	8.11	6.31	7.45	2.13	9.75	4.35	1.73	1.13	5.13	56.89
1902..	2.33	4.98	4.43	2.54	2.89	4.82	3.03	6.18	2.94	5.93	2.91	3.29	46.27
1903..	3.29	10.27	8.73	3.04	2.05	8.61	2.50	6.55	1.79	2.46	0.89	1.91	52.09
1904..	2.63	3.43	1.99	1.36	2.78	2.12	3.74	7.20	T.	0.77	2.94	3.52	32.48
1905..	1.48	5.44	1.29	3.99	5.18	0.17	4.09	2.91	0.58	1.14	1.55	7.15	34.97
1906..	4.09	1.30	6.57	1.49	2.79	6.13	4.01	7.50	5.48	1.62	0.69	2.79	44.46
1907..	0.71	4.05	2.23	3.83	3.68	2.68	7.53	2.99	4.52	0.62	4.55	4.30	41.69
1908..	5.88	5.26	4.94	3.68	2.58	3.48	6.88	11.31	1.17	5.22	2.14	2.65	55.19
M'ns	3.22	5.09	3.92	3.69	3.13	4.25	5.00	5.85	3.97	2.88	2.40	3.44	46.84

NEWBERRY, S. C., Newberry County. Elevation, 502 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	....	....	....	....	2.12	5.72	7.86	0.86	1.83	4.89	0.26	5.15	....
1888..	3.86	6.43	8.40	1.85	7.90	3.21	2.19	4.62	17.90	4.51	3.10	3.63	67.60
1889..	6.92	6.80	3.12	2.06	1.17	6.06	6.23	5.36	2.66	0.93	5.00	0.69	47.00
1890..	1.57	2.35	2.78	2.23	6.33	2.12	5.76	4.71	8.82	6.15	0.22	2.09	45.13
1891..	5.20	7.30	14.18	2.01	4.48	2.60	6.83	6.91	2.81	0.75	4.56	2.20	59.83
1892..	10.45	5.41	4.31	2.31	2.67	6.35	3.15	3.05	6.12	0.52	2.46	4.24	51.04
1893..	2.26	6.55	1.52	1.11	4.59	5.30	4.12	11.99	3.49	5.09	2.71	2.11	50.84
1804..	3.87	5.87	1.93	2.76	2.70	3.25	6.90	3.66	8.01	6.27	5.29	3.51	54.02
1895..	8.30	2.33	5.78	5.39	3.16	2.36	3.24	6.78	T.	1.14	2.33	4.03	44.84
1896..	4.54	6.45	2.62	1.04	3.43	4.18	10.14	2.94	6.64	2.57	6.29	3.24	54.08
1897..	3.26	8.37	5.11	2.98	2.54	3.89	4.78	3.62	2.10	2.38	1.78	1.98	42.79
1898..	2.57	0.83	4.92	4.83	0.50	3.69	9.92	6.51	2.57	2.33	4.51	1.95	45.13
1899..	5.28	9.90	3.86	1.42	1.48	2.82	3.22	4.82	3.08	5.56	1.86	3.03	46.33
1900..	2.02	8.27	4.60	8.50	2.13	8.69	4.12	2.00	2.42	2.12	3.79	4.96	53.62
1901..	4.39	3.53	4.65	7.42	4.08	4.21	5.51	12.08	4.48	1.37	1.47	5.95	59.14
1902..	4.18	5.64	4.67	2.55	1.32	5.47	2.83	5.39	4.71	4.59	4.09	3.60	49.04
1903..	3.11	10.87	8.03	2.35	2.51	9.12	3.44	8.56	1.10	2.39	2.21	1.41	55.10
1904..	3.66	4.18	3.18	1.16	2.76	1.47	5.96	6.78	0.30	0.37	2.56	3.73	36.11
1905..	1.47	5.63	1.49	3.93	3.99	0.35	4.69	4.23	0.17	1.72	1.71	9.04	38.42
1906..	6.18	1.36	5.35	1.82	4.50	6.43	5.37	7.27	4.94	2.41	0.79	3.12	49.54
1907..	1.00	4.24	2.32	3.26	6.38	2.90	3.66	5.24	3.91	0.56	5.59	7.87	46.93
1908..	7.23	3.86	4.28	3.39	1.21	5.70	7.21	9.06	1.94	4.44	1.61	3.49	53.42
M'ns	4.37	5.44	4.60	3.07	3.47	4.36	5.32	5.88	4.09	2.87	2.94	3.68	50.09

NOTE—From 1893 to 1903 the values given are for Longshore.

SALUDA, S. C., Saluda County. Elevation, 530 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902..	2.20	7.00	6.25	2.37	0.64	4.83	1.08	4.80	2.94	4.56	3.38	2.86	42.91
1903..	2.58	9.23	6.80	2.23	3.19	8.28	1.64	5.93	2.19	1.71	1.81	1.80	47.39
1904..	2.82	3.28	2.35	1.77	2.31	2.69	3.94	8.87	1.00	0.41	2.65	3.64	35.73
1905..	1.60	6.08	1.32	3.98	3.52	1.27	5.69	7.98	0.38	1.25	1.26	7.71	42.04
1906..	5.81	1.38	5.72	1.44	1.98	8.34	6.22	7.98	4.26	2.28	0.76	2.59	48.76
1907..	0.81	4.76	1.70	2.86	3.24	3.32	2.99	4.02	5.44	0.35	4.44	6.83	40.76
1908..	5.77	4.93	4.84	3.87	2.74	5.44	6.29	6.82	1.73	4.23	2.06	3.02	51.74
M'ns	3.08	5.24	4.17	2.65	2.52	4.88	3.98	6.63	2.56	2.11	2.34	4.06	44.22

SANTUC, S. C., Union County. Elevation, 512 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	....	....	....	....	....	....	....	....	4.57	5.86	2.50	1.41	....
1894..	3.77	4.66	1.86	2.43	2.54	6.13	5.77	4.75	3.71	8.34	2.65	5.32	51.93
1895..	7.47	2.61	4.07	5.58	3.78	2.20	1.55	7.11	1.08	0.89	4.43	4.38	45.15
1896..	3.26	6.14	1.64	0.97	2.31	3.56	8.00	2.63	6.01	1.52	4.55	3.03	43.62
1897..	2.79	8.82	5.87	4.11	3.61	4.77	3.60	3.20	2.06	2.21	2.32	2.23	45.59
1898..	2.48	0.96	4.83	4.72	0.85	2.16	8.54	6.39	2.60	3.54	3.23	1.74	42.04
1899..	4.12	8.51	5.70	1.40	2.51	1.38	6.30	2.07	2.98	4.70	2.32	3.34	45.33
1900..	1.94	5.50	6.71	6.00	2.06	6.65	4.33	2.27	1.24	2.20	4.04	4.05	46.99
1901..	3.06	3.17	4.91	6.78	5.46	4.16	2.66	12.28	6.34	0.92	0.85	6.49	57.08
1902..	3.32	7.64	3.65	3.79	2.45	3.61	1.69	4.33	3.49	7.25	4.47	3.54	49.23
1903..	3.46	7.75	8.19	4.75	2.30	6.97	2.75	3.95	4.86	3.02	1.22	1.60	50.82
1904..	2.35	3.92	3.03	0.98	1.75	2.72	7.13	9.57	1.00	0.38	3.19	3.96	39.98
1905..	0.86	5.96	1.03	3.29	7.21	0.63	5.21	10.87	1.05	0.96	0.84	9.93	47.84
1906..	6.96	1.73	5.90	1.67	2.62	6.21	5.31	8.37	4.02	2.68	0.88	3.26	49.61
1907..	0.50	4.07	2.45	4.78	3.28	4.28	6.27	3.43	7.80	1.16	7.06	7.13	52.21
1908..	6.41	5.82	4.49	2.88	2.86	4.47	4.66	14.69	1.75	6.26	1.86	4.20	60.35
M'ns	3.52	5.19	4.23	3.61	3.04	3.99	4.89	5.79	3.41	3.24	2.90	4.10	47.91

SPARTANBURG, S. C., Spartanburg County. Elevation, 875 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882..	....	....	....	4.00	3.16	1.96	2.27	5.43	3.39	1.67	....	....	....
1883..	....	....	....	5.55	2.61	2.89	0.72	1.68	2.96	3.37	....	....	....
1884..	....	....	....	4.65	2.08	6.90	3.83	1.61	0.75	0.06	....	....	....
1885..	....	....	....	....	4.83	3.99	3.81	2.79	2.42	5.53	....	....	....
1886..	8.70	2.30	7.70	2.08	11.99	11.65	10.10	6.07	1.69	0.00	4.50	4.55	71.33
1887..	1.36	5.40	3.07	1.52	1.44	2.69	5.18	9.11	1.45	4.37	0.19	4.12	39.90
1888..	....	....	10.05	0.09	8.12	3.70	4.66	15.26	20.44	3.80	2.40	....	....
1889..	3.35	....	0.30	....	5.32	6.44	3.47	6.11	3.66	0.18	5.88	0.46	....
1890..	1.16	5.00	3.69	2.60	9.88	3.05	3.75	6.06	5.07	7.37	0.04	3.39	51.06
1891..	3.50	8.16	....	....	7.30	3.90	6.17	8.03	2.12	0.18	2.30	....	....
1892..	....	....	....	....	2.36	....	....	1.85	4.00	0.00	1.96	....	....
1893..	....	....	....	....	4.00	8.24	2.17	10.77	2.38	4.17	3.33	....	....
1894..	....	....	....	....	3.56	1.16	6.65	1.49	3.38	3.53	0.61	....	....
1895..	6.30	1.75	4.02	4.96	4.17	2.20	2.90	6.18	0.34	0.39	3.00	2.35	38.56
1896..	1.99	5.05	1.69	1.01	1.94	3.18	7.45	2.50	3.77	2.75	7.17	1.55	40.05
1897..	2.59	6.08	6.66	4.67	1.52	6.19	2.99	4.42	3.30	2.34	4.78	2.80	48.34
1898..	2.78	0.70	2.72	3.64	0.92	3.83	6.90	6.82	5.44	4.90	2.59	3.73	44.97
1899..	6.65	7.51	6.25	3.45	1.10	1.87	3.09	5.21	3.54	2.35	1.18	2.22	44.42
1900..	2.74	8.19	5.34	5.94	3.17	7.94	2.03	1.72	2.11	3.56	5.45	4.45	52.64
1901..	3.06	2.80	7.19	7.29	9.47	6.56	3.49	15.66	5.81	1.01	0.96	10.83	73.53
1902..	3.06	7.88	5.02	1.28	1.81	6.43	3.61	1.20	5.30	4.36	3.33	4.68	47.96
1903..	5.04	9.03	8.68	4.43	1.59	9.96	2.17	4.64	2.25	1.05	1.82	1.82	52.48
1404..	1.37	3.03	5.00	1.52	2.07	4.78	4.04	11.79	1.47	0.83	3.99	4.10	43.99
1905..	2.78	5.81	1.01	2.82	7.21	1.01	6.76	7.19	0.80	2.10	1.16	8.07	46.72
1906..	8.69	1.00	6.32	1.34	3.03	4.91	7.97	12.45	5.97	3.07	0.94	3.84	59.53
1907..	0.38	2.89	1.21	3.72	4.12	8.28	3.39	4.08	6.83	1.15	6.44	8.21	50.70
1908..	6.67	5.82	4.87	2.65	3.74	4.20	9.61	12.79	1.90	5.48	1.51	4.99	64.23
M'ns	3.84	4.87	4.78	3.30	4.16	4.92	4.59	6.40	3.80	2.54	2.85	4.20	50.52

TRENTON, S. C., Edgefield County. Elevation, 620 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	....	....	....	....	4.40	7.26	6.75	13.20	4.14	5.29	1.85	2.98	....
1894..	2.37	6.61	2.32	2.42	1.20	4.54	9.50	7.60	5.80	6.31	2.77	3.37	54.81
1895..	8.28	3.16	7.64	6.37	5.62	2.34	4.88	11.49	0.29	1.14	2.18	3.96	57.35
1896..	3.62	8.67	2.29	1.99	1.82	3.50	8.83	2.94	3.60	0.84	3.08	3.31	44.49
1897..	3.59	9.05	4.08	3.32	2.80	2.79	6.97	9.93	3.28	2.18	1.58	1.54	51.11
1898..	2.10	0.52	5.38	5.64	0.59	2.29	11.37	6.32	5.58	4.18	5.23	2.28	51.48
1899..	5.45	12.30	5.31	1.53	1.26	4.80	1.58	6.55	1.77	7.13	2.59	3.04	53.31
1900..	2.00	9.74	3.66	5.04	1.74	4.15	4.08	2.38	2.17	2.84	3.85	6.18	47.83
1901..	3.86	3.47	4.27	6.73	5.88	7.22	3.33	8.01	7.25	2.86	1.12	5.67	59.67
1902..	1.40	6.39	7.19	2.58	1.62	8.11	3.53	5.08	2.32	4.75	4.65	4.01	51.63
1903..	3.09	9.66	7.57	2.59	2.47	6.12	1.81	5.44	3.30	2.30	1.60	2.37	48.32
1904..	2.69	2.97	2.89	0.83	2.17	3.32	4.71	8.30	0.68	0.19	2.39	4.26	35.40
1905..	1.75	6.37	1.29	4.20	4.10	1.51	5.79	4.01	0.41	1.71	1.83	8.63	41.60
1906..	5.11	1.78	5.52	1.57	3.24	8.87	14.76	6.89	4.72	1.64	1.04	3.64	58.78
1907..	1.07	4.26	1.64	3.51	5.14	2.66	4.33	3.45	4.63	0.68	4.04	8.24	43.65
1908..	5.50	4.77	4.42	4.77	1.51	3.12	2.70	5.54	2.32	5.00	1.67	2.53	43.85
M'ns	3.46	5.98	4.37	3.54	2.85	4.54	5.93	6.69	3.27	3.06	2.50	4.13	50.41

WALHALLA, S. C., Oconee County. Elevation, 1,061 feet.

1889..	....	....	....	....	....	....	8.20	....	7.37	0.32	5.33	0.78	....
1890..	2.75	6.03	2.98	3.45	7.55	3.37	5.68	4.42	9.50	....	0.55	2.85	....
1891..	5.58	5.74	10.60	....	2.75	4.54	5.48	6.75	....	....	5.25	2.60	....
1892..	....	2.84	....	....	....	....	....	....	....	....	....	....	....
1893..	....	....	....	....	....	....	....	....	....	....	....	....	....
1894..	....	....	....	....	....	....	....	....	....	....	....	....	....
1895..	....	....	....	....	....	....	....	....	....	....	....	....	....
1896..	....	....	....	....	....	....	8.05	2.34	5.35	1.69	....	0.55	....
1897..	4.00	6.43	7.08	8.40	1.20	3.01	3.33	3.47	0.80	4.07	3.72	4.11	49.62
1898..	4.03	0.60	5.07	4.54	1.28	1.85	9.00	7.69	5.38	5.45	3.20	5.45	53.54
1899..	4.69	6.51	8.55	3.37	1.29	2.80	3.47	2.90	1.05	3.69	2.40	3.48	44.20
1900..	2.86	9.46	4.50	6.88	1.26	15.19	1.67	2.13	4.28	5.19	3.46	4.04	60.92
1901..	5.12	2.95	8.24	7.55	5.26	3.60	2.84	17.63	4.22	0.55	0.36	7.41	65.73
1902..	3.65	7.58	4.75	0.87	1.95	2.47	2.90	3.35	7.40	3.50	4.60	6.12	49.14
1903..	2.40	7.20	10.00	5.40	0.70	3.90	2.41	7.10	5.69	2.35	1.60	2.92	51.67
1904..	3.40	4.05	5.52	1.70	4.67	4.71	4.95	10.46	1.05	0.00	3.32	4.47	48.30
1905..	4.84	5.65	1.82	2.92	8.70	6.30	13.60	8.00	2.56	4.95	1.92	9.78	71.04
1906..	10.60	1.56	10.25	2.10	2.82	7.80	13.87	7.67	14.37	5.44	2.36	7.71	86.55
1907..	0.58	3.89	2.83	5.67	4.53	4.55	5.40	4.07	4.69	1.85	6.70	8.60	53.36
1908..	....	8.16	....	....	....	....	....	....	....	....	....	....	....
M'ns	4.21	5.24	6.33	4.40	3.54	4.94	6.06	6.29	5.05	3.00	3.20	4.39	56.65

WINNSBORO, S. C., Fairfield County. Elevation, 545 feet.

1887..	3.00	4.00	2.20	1.32	2.15	4.80	6.99	7.68	1.80	5.41	0.18	4.59	44.12
1888..	3.41	5.67	9.28	0.88	8.99	4.00	2.60	3.64	13.23	4.65	1.32	3.26	60.93
1889..	4.14	5.93	2.67	1.52	2.21	7.84	6.16	8.60	2.78	1.99	5.81	0.00	49.65
1890..	1.30	3.24	1.35	1.10	3.60	1.00	7.26	7.95	9.29	6.34	1.84	1.80	46.07
1891..	3.40	3.85	8.90	2.20	3.18	2.43	2.81	4.85	1.84	0.50	4.07	2.49	40.52
1892..	7.06	5.09	3.17	1.65	3.30	3.16	4.70	3.42	2.71	0.27	0.90	3.02	38.45
1893..	2.12	4.00	1.02	4.75	4.90	4.89	2.81	9.63	3.92	3.82	1.20	2.33	41.39
1894..	2.64	4.34	1.37	2.75	1.42	3.83	5.46	7.73	7.30	5.65	1.55	3.20	47.24
1895..	5.00	2.45	6.40	6.25	3.62	5.95	1.35	7.81	0.50	1.30	1.55	2.27	44.45
1896..	3.20	6.25	0.80	0.91	1.77	3.08	9.94	1.05	1.73	1.16	3.20	4.04	37.13
1897..	2.59	7.51	3.04	2.82	2.07	3.34	3.38	1.27	1.10	1.50	1.16	2.72	32.50
1898..	2.29	0.59	4.96	4.26	1.00	6.40	6.83	7.96	1.33	3.00	4.57	1.26	44.45
1899..	4.10	8.67	5.51	1.32	1.62	1.80	2.12	4.12	2.24	7.88	1.73	3.06	44.17
1900..	1.61	5.85	4.44	6.95	2.25	4.36	6.18	0.77	1.55	2.70	5.35	5.34	47.35
1901..	2.26	1.28	3.89	6.59	12.09	4.92	0.65	9.16	4.35	1.35	0.63	3.85	51.02
1902..	3.02	4.03	2.83	2.20	2.20	6.78	0.71	5.54	2.51	7.34	3.26	2.74	43.16
1903..	3.49	8.50	6.56	2.54	1.09	10.17	2.12	3.36	2.03	2.24	1.36	1.34	44.80
1904..	2.92	3.26	2.08	2.05	3.12	1.03	4.94	4.96	0.80	0.87	3.01	3.70	32.74
1905..	2.30	6.30	1.10	7.03	3.60	0.49	5.04	9.50	0.90	1.16	0.66	7.05	45.13
1906..	5.70	1.48	4.99	1.65	1.85	7.46	5.54	7.00	2.55	3.35	T.	1.18	42.75
1907..	1.70	4.65	1.95	2.40	6.55	5.73	7.63	4.62	8.00	0.52	2.68	6.14	52.57
1908..	3.90	4.80	5.25	3.54	1.10	4.36	3.76	13.32	2.80	3.78	2.00	3.00	51.61
M'ns	3.23	4.62	3.81	3.03	3.35	4.45	4.09	6.09	3.42	3.23	2.18	3.11	44.61

NOTE—From February, 1892, to December, 1894, the values given are for Flint Hill. From January, 1895, to February, 1896, the values given are for Ridgeway.

WINTHROP COLLEGE, ROCK HILL, S. C., York County. Elevation, 690 feet.

1900..	1.69	5.03	5.24	5.13	2.96	6.50	3.28	1.59	1.78	2.16	4.63	4.93	44.92
1901..	2.64	2.19	3.99	7.19	13.08	7.88	4.08	10.60	4.73	0.58	1.04	6.14	64.14
1902..	3.64	5.10	4.12	1.98	2.81	4.08	2.58	7.11	4.31	4.69	3.76	3.67	48.75
1903..	3.35	7.61	7.38	3.02	0.65	6.92	0.95	4.37	3.51	2.61	1.26	1.93	43.56
1904..	1.08	3.71	2.76	1.04	0.87	2.59	4.46	10.99	0.45	0.55	3.63	3.23	35.36
1905..	2.03	4.97	1.27	2.83	7.43	0.92	5.77	9.00	0.90	1.05	0.95	8.35	45.47
1906..	7.28	1.40	6.15	1.22	1.93	9.60	7.83	6.95	4.57	4.33	0.63	3.76	55.65
1907..	0.33	4.26	2.18	3.36	4.39	6.09	4.85	4.32	5.81	0.82	5.86	7.03	49.30
1908..	5.39	5.54	4.07	1.94	2.35	4.00	5.97	12.28	1.63	5.98	1.88	3.93	54.96
M'ns	3.05	4.42	4.13	3.08	4.05	5.50	4.42	7.47	3.08	2.53	2.63	4.77	49.13

YORKVILLE, S. C., York County. Elevation, 680 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888..	....	....	....	....	....	1.67	2.12	5.74	9.06	4.50	2.27	3.65	....
1889..	6.58	5.19	1.64	1.75	2.30	6.46	7.29	1.73	3.31	2.24	4.76	0.58	43.83
1890..	1.66	4.34	3.79	1.87	5.78	2.76	8.38	2.65	6.15	6.34	0.26	3.35	47.33
1891..	4.35	7.49	12.47	1.89	4.93	7.96	8.28	7.98	1.68	0.44	4.43	2.00	63.90
1892..	9.00	3.60	4.00	4.53	3.30	7.03	7.27	3.01	2.71	0.30	3.88	2.94	51.57
1893..	2.01	5.74	1.68	1.41	3.96	7.05	2.43	9.36	6.03	6.54	1.91	1.71	49.83
1894..	2.84	3.03	1.18	1.62	3.24	3.44	3.59	4.57	4.49	8.11	2.13	5.45	43.69
1895..	5.88	1.56	5.55	5.25	2.62	3.10	3.46	4.69	1.26	1.10	3.18	4.75	42.40
1896..	2.64	5.57	1.55	2.22	1.82	5.05	8.13	2.47	5.73	1.58	4.45	2.01	43.22
1897..	2.65	6.75	6.63	4.07	2.27	4.87	6.71	5.93	1.78	2.31	2.79	2.50	49.26
1898..	2.82	1.07	5.06	3.85	1.32	3.54	6.18	9.03	4.64	5.94	2.58	2.09	48.12
1899..	5.01	8.71	5.76	2.62	1.97	2.18	3.54	2.25	4.35	3.32	2.60	3.14	45.45
1900..	2.29	5.58	5.37	7.46	4.99	7.66	2.34	1.63	1.70	2.92	3.53	4.56	50.03
1901..	2.42	2.40	8.13	10.58	8.03	3.81	3.06	12.75	6.81	0.69	0.89	6.71	66.28
1902..	3.50	7.60	4.12	1.75	1.80	5.33	2.34	2.69	5.23	5.36	5.99	4.44	50.15
1903..	3.00	6.86	9.18	3.68	1.70	5.96	1.23	5.82	2.97	2.68	0.91	2.17	46.16
1904..	1.91	3.58	2.58	1.31	2.62	5.87	5.65	11.30	0.46	1.06	4.39	3.30	44.03
1905..	2.06	5.33	1.18	2.53	7.90	1.56	9.15	8.62	0.94	0.98	1.14	8.87	50.26
1906..	7.78	1.71	5.97	2.25	1.82	5.42	6.24	11.66	5.39	3.14	0.96	4.06	56.40
1907..	T.	3.52	1.99	3.62	6.12	5.46	3.51	7.13	5.78	0.70	5.52	8.70	52.05
1908..	6.45	5.87	4.41	2.42	....	....	....	....	....	....	....	....	....
M'ns	3.74	4.77	4.61	3.33	3.60	4.81	5.04	6.05	4.27	3.06	2.93	3.85	50.06

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Aiken	25	8	7	7	6	6	7	9	10	5	5	6	7	83
Batesburg	18	8	8	7	7	7	8	10	10	6	5	5	7	88
Clemson College	12	9	9	10	9	7	12	11	10	5	5	6	9	102
Columbia	22	10	10	10	8	10	12	14	14	8	6	7	9	108
Greenville	18	10	9	11	8	9	12	12	13	7	5	7	9	112
Greenwood	18	7	8	8	7	6	9	8	10	6	5	5	7	86
Newberry	16	11	10	10	9	9	10	11	11	6	6	7	10	110
Santuc	15	9	9	9	8	8	10	10	12	6	6	6	7	100
Spartanburg	18	7	9	9	8	8	10	10	11	7	5	5	8	97
Trenton	16	9	10	8	8	7	9	11	10	5	5	5	8	95
Winthrop College	9	9	9	9	8	9	12	11	13	6	5	6	10	107

Mean temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Aiken	25	46.1	48.8	55.7	62.9	72.3	78.7	81.3	79.6	74.7	63.8	54.5	48.3	63.9
Batesburg	18	44.6	44.1	55.9	61.4	71.6	78.1	80.0	78.9	73.9	62.7	52.7	46.6	62.5
Clemson College	12	41.6	41.4	53.3	59.0	69.8	76.0	78.9	78.3	72.6	61.4	50.9	42.4	60.5
Columbia	22	45.1	47.8	54.0	62.8	71.8	78.2	81.1	79.5	73.7	64.0	53.8	47.2	63.2
Greenville	18	39.5	39.1	50.4	56.6	61.5	73.2	76.1	75.7	70.4	60.0	49.3	40.6	57.7
Greenwood	18	41.5	41.4	53.9	59.6	71.4	77.8	80.1	78.9	73.2	61.7	51.9	42.5	61.2
Newberry	16	42.7	42.9	54.8	60.8	71.4	77.5	80.4	79.1	74.0	62.0	53.5	45.1	62.0
Santuc	15	42.1	41.6	53.8	59.3	70.1	76.2	79.3	78.1	73.0	61.0	51.2	43.2	60.7
Spartanburg	18	41.6	42.1	51.9	59.6	70.3	76.8	79.4	78.4	72.6	60.7	51.3	42.3	60.6
Trenton	16	45.8	45.9	56.8	63.2	73.0	78.7	80.8	79.9	75.9	64.7	55.5	47.1	63.9
Winthrop College	9	42.3	41.1	54.8	59.6	70.4	75.3	80.0	78.5	72.9	61.1	51.9	46.9	61.2

Highest temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Aiken	25	78	82	93	91	98	101	105	107	98	95	84	79	107
Batesburg	18	77	84	92	94	102	103	107	105	99	92	85	75	107
Clemson College	12	79	81	87	88	99	100	101	102	100	92	84	72	102
Columbia	22	78	82	93	96	101	103	105	106	104	92	85	77	106
Greenville	18	75	74	91	88	94	96	97	97	96	89	82	73	97
Greenwood	18	72	75	89	96	102	105	105	104	96	92	81	74	105
Newberry	16	77	76	92	92	101	104	104	106	98	91	90	75	106
Santuc	15	74	75	92	93	101	100	104	105	100	92	80	80	105
Spartanburg	18	79	78	95	90	99	104	102	103	106	96	90	78	104
Trenton	16	74	75	90	91	98	99	104	101	98	88	80	74	104
Winthrop College	9	78	73	86	89	98	98	100	100	97	90	80	77	100

Lowest temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Aiken	25	6	5	20	27	40	46	50	46	44	32	19	3	3
Batesburg	18	11	-4	19	26	36	44	55	54	39	29	19	11	-4
Clemson College	12	5	-7	12	24	39	42	54	56	38	25	10	9	-7
Columbia	22	10	-2	20	28	40	47	54	56	42	32	21	9	-2
Greenville	18	6	-5	13	22	32	47	53	50	28	25	14	9	-5
Greenwood	18	9	-5	16	27	38	42	56	55	42	28	16	15	-5
Newberry	16	9	-8	17	24	36	45	56	56	42	29	12	11	-8
Santuc	15	6	-11	12	24	36	46	52	53	39	26	13	1	-11
Spartanburg	18	9	-4	11	21	30	42	54	52	34	22	16	7	-4
Trenton	16	9	-4	21	31	40	53	56	49	48	32	24	8	-4
Winthrop College	9	9	8	17	25	35	48	59	55	45	30	22	11	8

Prevailing wind direction.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Batesburg	18	e.	e.	e.	n.	n.	n.	n.	n.	s.	s.	s.	e.	n.
Clemson College	12	e.		w.	w.	w.	w.	w.	w.	ne.	w.	e.	e.	w.
Columbia	22	sw.	.	sw.	sw.	sw.	sw.	sw.	sw.	ne.	ne.	ne.	sw.	sw.
Greenwood	18	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.
Newberry	16	w.	w.	w.	sw.	sw.	s.	s.	s.	e.	ne.	ne.	w.	w.
Santuc	15	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	sw.	w.	w.
Trenton	16	w.	w.	s.	s.	s.	s.	s.	s.	s.	s.	s.	w.	s.
Winthrop College	9	sw.	sw.	sw.	sw.	sw.	sw.	s.	s.	se.	se.	sw.	sw.	sw.

Average hourly wind movement (in miles).

Station.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Columbia	7	9	9	9	9	7	7	7	6	7	8	7	7	8

Mean relative humidity.

Stations.		Length of record.	January.	February.	March.	April.	May.	June.	July.	August	September.	October.	November.	December.	Annual.
		Yrs													
Aiken	7 a. m.	18	68	69	65	66	66	71	70	75	75	78	69	70	70
	9 p. m.	18	68	63	58	57	60	65	67	70	71	65	64	64	64
Columbia	8 a. m.	8	81	80	82	79	77	80	82	87	86	81	80	81	81
	8 p. m.	8	62	61	60	57	60	65	69	75	68	61	60	67	63

Frost data.

Stations.	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
	Yrs.				
Aiken	18	Nov. 18	Mar. 11	Oct. 16	Apr. 20
Batesburg	13	Nov. 2	Mar. 24	Oct. 10	Apr. 17
Clemson College	13	Oct. 31	Apr. 5	Oct. 15	Apr. 20
Columbia	22	Nov. 8	Mar. 22	Oct. 19	Apr. 17
Greenville	14	Nov. 7	Apr. 8	Oct. 23	Apr. 25
Greenwood	13	Nov. 4	Mar. 22	Oct. 1	Apr. 17
Newberry	13	Oct. 31	Apr. 11	Oct. 1	Apr. 28
Santuc	15	Oct. 26	Apr. 3	Sept. 30	Apr. 30
Spartanburg	14	Nov. 6	Mar. 31	Oct. 11	Apr. 17
Trenton	15	Nov. 12	Mar. 24	Oct. 25	Apr. 17
Winthrop College	9	Nov. 5	Mar. 28	Oct. 11	Apr. 17

HYDROGRAPHIC DATA FOR SECTION 87.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY.

By M. O. LEIGHTON, *Chief Hydrographer.*

Preliminary Note: Only the broader facts concerning the water power and the slope and flow of rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section is drained by the Savannah and Santee river systems. The former stream marks the southern boundary, while its tributaries, the Tugaloo and the Chattooga, define the southwestern and a part of the western boundaries, respectively. The Tugaloo extends from its confluence with the Seneca—where the Savannah is formed—up to the mouth of Tallulah River, a distance of 48 miles. From this point to the mountain sources the stream is known as the Chattooga. All the tributary streams entering the Savannah from South Carolina are comparatively small in size, and the area drained by them is a narrow strip along the southern and western portions of the section. All of the remainder of the section drains into the Santee.

The principal tributaries flowing from this section into the Savannah are Seneca, Rocky, and Little rivers, and Stevens Creek. The slope of Savannah River from Andersonville, Ga., the point at which the Tugaloo and Seneca rivers join to form the Savannah, down to Lisbon, Ga., a distance of 42 miles, is 219 feet; that of Tugaloo River from the mouth of the Chattooga to Andersonville, Ga., a distance of 48.2 miles, is 252.65 feet; that of Chattooga River, from Russel, S. C., to the junction with Tugaloo River, a distance of 30.6 miles, is 809 feet.

The estimated discharge of rivers in the Savannah basin on which stations have been maintained by the Geological Survey is given in the following table. Opposite each month is given: First, the maximum flow observed during the period of observation; second, the minimum flow; and third, the mean flow for that month during the entire period of observation. In the last column is given the mean flow for the entire period in cubic feet per second per square mile:

Discharge of Savannah River at Augusta, Ga., 1899-1908, inclusive.

(Drainage area, 7,300 square miles.)

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	79,200	3,880	13,100	1.79
February	130,400	4,500	22,700	3.08
March	137,400	5,100	19,400	2.66
April	111,900	4,400	13,100	1.79
May	77,600	2,700	9,200	1.27
June	97,000	2,400	11,900	1.63
July	43,900	2,100	9,000	1.23
August	207,900	2,300	12,200	1.67
September	111,900	2,400	8,900	1.22
October	47,400	2,600	7,000	.83
November	44,400	2,060	6,900	.94
December	107,500	2,800	12,400	1.70
Mean for the entire period	207,900	2,060	12,150	1.65

Discharge of Tugaloo River, near Madison, S. C., 1899-1908, inclusive, except from January 1, 1902, to July 7, 1903.

(Drainage area, 593 square miles.)

Month.	Discharge in cubic feet per second			
	Maximum.	Minimum.	Mean.	Per square mile.
January	15,300	520	2,100	3.54
February	15,700	600	2,400	4.05
March	15,500	820	2,700	4.55
April	16,500	900	2,400	4.05
May	12,500	800	1,900	3.20
June	14,100	650	1,750	2.95
July	21,900	510	1,800	3.03
August	14,100	530	2,000	3.37
September	16,900	480	1,700	2.87
October	12,700	435	1,400	2.36
November	8,800	450	1,000	1.69
December	15,700	480	1,800	3.03
The entire period	21,900	435	1,900	3.22

Dischurge of Seneca River at Clemson College, S. C., period November, 1903-1905.

(Drainage area, 646 square miles.)

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	5,530	544	1,030	1.59
February	4,980	644	1,540	2.38
March	5,800	785	1,300	2.01
April	1,740	678	948	1.47
May	2,890	577	1,160	1.80
June	2,340	450	881	1.37
July	7,900	377	1,500	2.32
August	4,870	610	1,460	2.26
September	1,310	466	794	1.23
October	4,920	528	672	1.04
November	1,020	420	1,060	1.64
December	7,620	435	1,810	2.80
The entire period	7,900	377	1,180	1.83

The following table gives estimated horsepower available along Savannah River above Augusta, Ga., and in the tributaries flowing from this section:

River.	Section.	Minimum horse-power.	Six months horse-power.
Savannah	From Augusta, Ga., to Seneca River.	92,890	139,070
Tugaloo	From mouth to Tallulah River	15,160	22,730
Chattooga	From mouth to west fork	21,300	31,900
Chattooga (west fork)		2,540	3,810
Chattooga (north fork)		3,360	5,040
Warwoman's Creek		1,750	2,620
Stekoa Creek		2,640	3,960
Chauga		3,000	4,500
Seneca		37,691	56,550
Rocky		2,150	2,970
Little		3,930	6,560
Stevens Creek		3,580	7,160

The Santee River is formed a short distance east of the eastern boundary of this section by the junction of the Wateree and Congaree rivers. The former rises in the State of North Carolina and flows across the northeastern portion of this section. The latter forks near the city of Columbia. The northern branch is Broad River and the western branch is Saluda River. The former flows down from North Carolina across the east-central portion of this section, while the latter rises in the mountains in the extreme western portion of South Carolina and comes in from the west to join the Broad at Columbia.

Wateree River above Camden, S. C., is known as Catawba River. Its elevation at the State line is about 515 feet, and the slope from there to Camden, a distance of about 76 miles, is 406 feet, a large part of which is concentrated between the foot of Gaydens Falls and the mouth of Green Creek, a distance of about 19 miles.

Broad River crosses the Carolina State line at elevation 585 feet, and the fall from this point to Granby, a distance of about 115 miles, is about 460 feet. The discharge of Wateree, Broad, and Saluda rivers, determined from observations maintained by the Geological Survey, is given in the following table:

Discharge of Wateree River at Camden, S. C., period 1905-1908, inclusive, except August-December, 1908.

(Drainage area, 2,640 square miles.)

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	29,500	1,900	9,970	3.78
February	28,700	2,260	10,000	3.79
March	28,200	3,160	7,910	3.00
April	17,000	2,890	5,960	2.26
May	12,500	2,530	5,580	2.11
June	24,300	1,900	6,650	2.52
July	29,600	2,800	7,860	2.98
August	28,500	2,300	9,270	3.51
September	27,800	1,350	6,080	2.30
October	28,100	690	5,440	2.06
Fovember	23,900	930	4,720	1.79
December	28,500	1,815	8,800	3.33
The entire period	29,600	690	7,350	2.79

Discharge of Broad River at Alston, S. C., 1899-1907, inclusive.

(Drainage area, 4,610 square miles.)

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	64,600	1,940	8,640	1.87
February	99,300	2,500	14,000	3.04
March	115,000	3,060	13,700	2.97
April	103,000	2,170	10,800	2.34
May	131,000	1,640	6,610	1.43
June	130,000	1,550	9,080	1.97
July	32,000	1,510	5,420	1.17
August	104,000	1,390	9,810	2.13
September	89,400	820	6,040	1.31
October	33,400	785	4,120	.894
November	30,500	1,080	4,390	.952
December	121,000	1,580	9,200	2.00
The entire period	131,000	785	8,480	1.84

Discharge of Saluda River at Waterloo, S. C., 1899-1905, inclusive.

(Drainage area, 1,060 square miles.)

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	9,840	436	1,770	1.69
February	18,500	510	3,710	3.50
March	14,700	755	3,180	3.00
April	13,400	592	2,550	2.40
May	10,900	210	1,680	1.58
June	19,000	286	2,180	2.06
July	14,000	229	1,620	1.53
August	15,100	360	2,080	1.96
September	12,900	251	1,430	1.35
October	4,140	200	1,100	1.04
November	5,660	299	1,140	1.08
December	12,400	404	1,830	1.73
The entire period	19,000	200	2,020	1.91

Discharge of Catawba River at Morgantown, N. C., period June 19, 1900, to 1908, inclusive, except 1901, 1902, and July to December, 1906.

(Drainage area, 758 square miles.)

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	24,200	470	1,980	2.61
February	21,400	550	1,640	2.16
March	15,500	800	1,650	2.18
April	3,360	657	1,240	1.64
May	7,780	657	1,600	2.11
June	17,000	470	2,060	2.72
July	20,000	410	1,500	1.98
August	a 28,400	367	1,630	2.15
September	16,400	339	1,110	1.47
October	15,400	280	1,460	1.93
November	7,700	372	1,190	1.57
December	7,700	410	1,260	1.66
The entire period	28,400	280	1,530	2.02

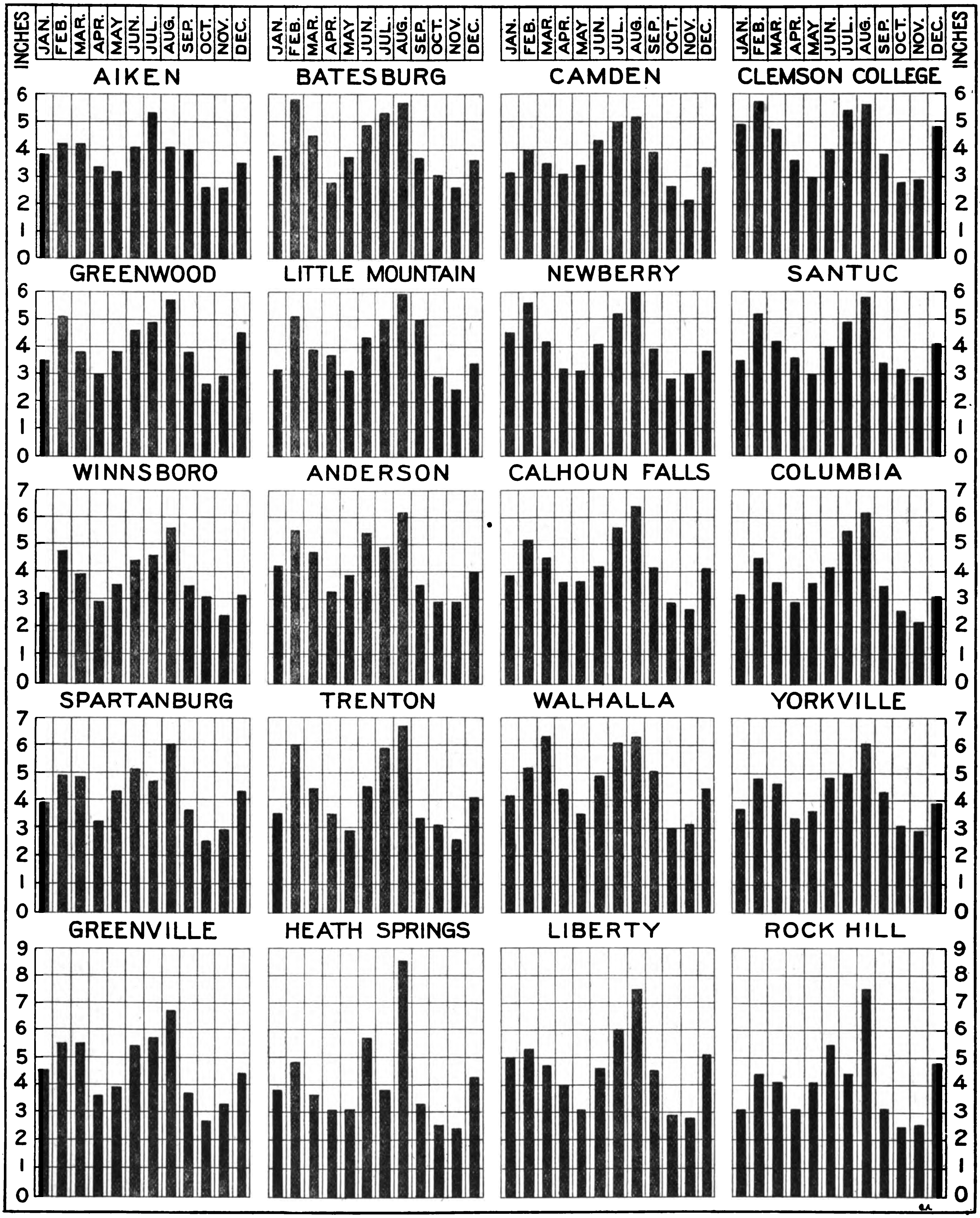
a The discharge at the highest recorded stage is estimated to have been 46,000 second-feet.

The estimated available horsepower developed by the rivers in this section, that drain into the Santee, is given in the following table:

River.	Section.	Minimum horse-power.	Six months horse-power.
Wateree	Camden to State line	65,600	98,400
Broad	Mouth to Gaffney	66,600	99,900
Saluda	Mouth to North Saluda	41,400	53,800

The waterpower tables show that the possibilities of this region for manufacturing are unusually good. This fact has not been overlooked. Power to the amount of 171,128 horsepower has been developed in units of 1,000 horsepower or more. This development is distributed by drainage basins as follows:

	Horsepower.
Catawba	90,000
Broad	54,813
Saluda	19,650
Savannah	5,325
Congaree	1,340


INCHES
JAN.
FEB.
MAR.
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MAY
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SEP.
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AIKEN
BATESBURG
CAMDEN
CLEMSON COLLEGE
GREENWOOD
LITTLE MOUNTAIN
NEWBERRY
SANTUC
WINNSBORO
ANDERSON
CALHOUN FALLS
COLUMBIA
SPARTANBURG
TRENTON
WALHALLA
YORKVILLE
GREENVILLE
HEATH SPRINGS
LIBERTY
ROCK HILL
0
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3
4
5
6
7
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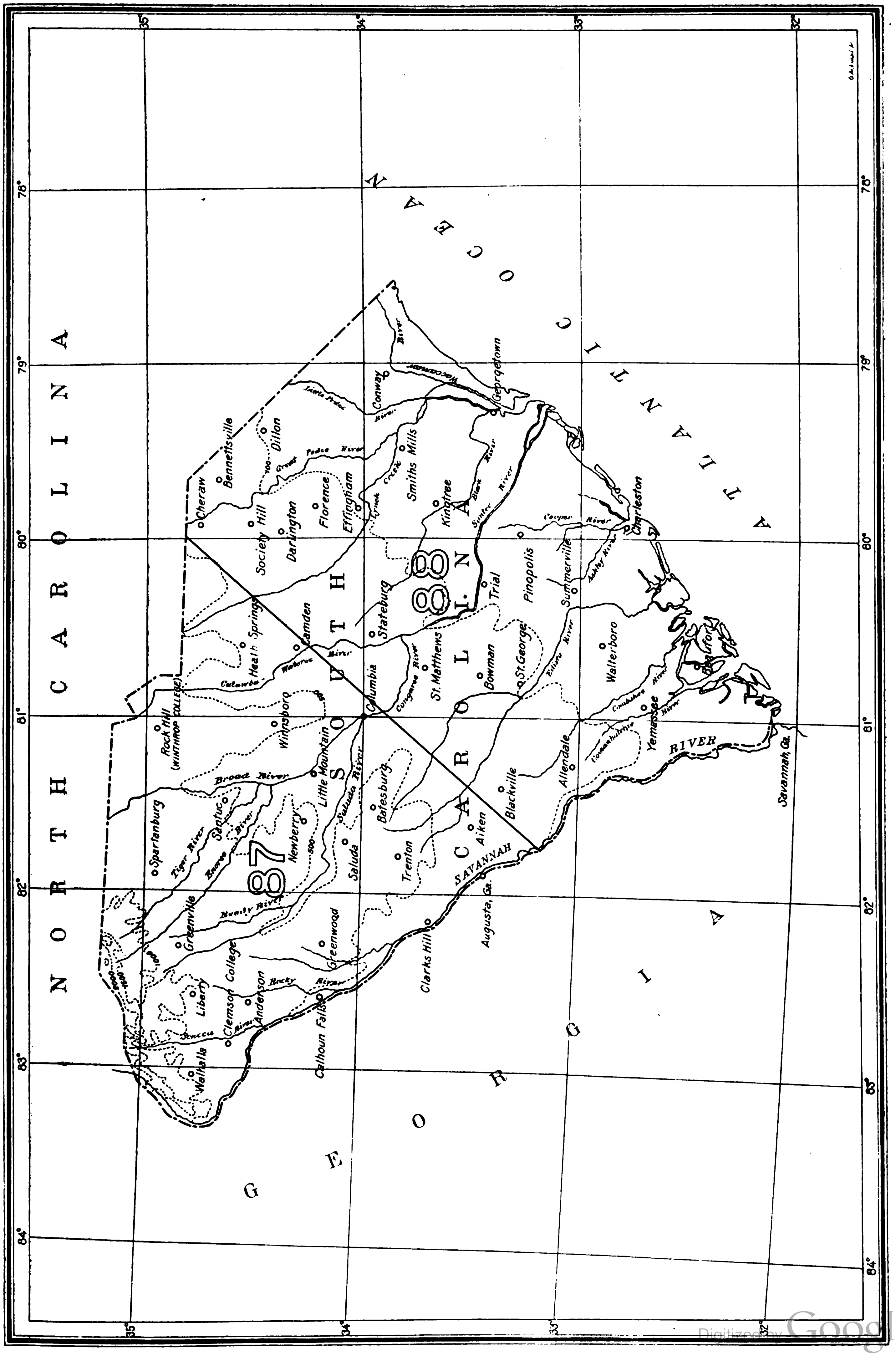
NORTH CAROLINA
SOUTH CAROLINA
GEORGIA
ATLANTIC OCEAN
87
88
35°
34°
33°
32°
78°
79°
80°
81°
82°
83°
84°
Cheraw
Bennettsville
Dillon
Conway
Georgetown
Society Hill
Darlington
Florence
Effingham
Smiths Mills
Kingtree
Charleston
Summerville
Pinopolis
Trial
Stateburg
Camden
Heath Springs
Rock Hill (Winthrop College)
Winnsboro
Columbia
St. Matthews
Bowman
St. George
Walterboro
Beaufort
Yemassee
Savannah, Ga.
Allendale
Blackville
Aiken
Batesburg
Trenton
Augusta, Ga.
Clarks Hill
Saluda
Little Mountain
Newberry
Santuc
Spartanburg
Greenville
Greenwood
Anderson
Clemson College
Liberty
Walhalla
Calhoun Falls
Broad River
Tiger River
Enoree River
Saluda River
Reedy River
Rocky River
Seneca River
Congaree River
Wateree River
Catawba River
Santee River
Black River
Lynch Creek
Great Pedee River
Little Pedee River
Waccamaw River
Cooper River
Ashley River
Edisto River
Combahee River
Coosawhatchie River
Savannah River
100
500
1000
1500
2000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 88.—EASTERN SOUTH CAROLINA.

The territory included in this section embraces the eastern portion of South Carolina, comprising somewhat more than half of the total area of the State. It is nearly rectangular, and has between 18,000 and 19,000 square miles in surface area. It lies between longitude 78° and 82°, and latitude 32° and 35°. The region has about 170 miles of coast line extending in a northeast and southwest direction. The coast has no large indentations. The southern portion has a large number of small islands separated from the mainland by narrow and comparatively shallow straits, sounds, and so-called rivers. These islands, and a narrow strip of the adjacent mainland, have a climate more uniform and less subject to weather vicissitudes, especially a more equable temperature, than the interior of this region.

North Carolina forms the northern, the beginning of the hill country the western, and the Savannah River the southern boundaries of this section. The western and northern portions are comparatively thickly settled, the remainder, comprising the lower elevation, is sparsely populated, although it includes the largest city and has three harbors that have considerable commercial and stragetic importance, and includes some of the earliest settlements of the country.

The greater portion of this section consists of an alluvial plain having elevations ranging from 10 to 12 feet above sea level along the coast to about 50 feet above sea level sixty miles inland. The western portion is undulating, having elevations ranging from 60 feet to hills of nearly 600 feet altitude in Orangeburg County, and another range of hills north of the Santee River, called the "High hills of Santee," with elevations from 200 to 400 feet.

The coastal plain contains much swampy land bordering the streams and salt marshes bordering the ocean. The swamp lands are sparsely settled, and but small portions are at present under cultivation, though practically they are capable of reclamation by drainage systems. Many of these swamps—now waste places—were at one time under thorough cultivation, having been protected from overflow by extensive systems of dykes and drainage canals. The more elevated portions of this region are exceedingly fertile, though containing comparatively large tracts of sandy lands that are nearly sterile. The fertile lands are thickly settled, and produce large and diversified crops.

The section is drained by three principal rivers. The southern portion by the Savannah, the central portion by the Santee, and the northern portion by the Great Pee Dee, all of them navigable for light draft boats from the ocean to the western boundary, where navigation ends. Navigation is sometimes interrupted by low-water stages. The depth of water in these rivers is but little affected by the local precipitation, owing to the slow run-off and the numerous parallel streams having their own outlets into the ocean, or emptying into the main rivers near their mouths.

All the streams of this region have broad valleys that are subject to overflow at high-water stages, rendering them precarious for general farming purposes, but they afford excellent grazing. The temperature and precipitation distribution throughout this section, by months and by seasons, is favorable to the cultivation of corn and cotton, some cereals, especially rice, fruits (except apples), and the sea islands and the coast regions are particularly well adapted for raising early vegetables, as the active growing season is scarcely interrupted during the mild winters that prevail along the coast.

CLIMATIC CHARACTERISTICS.

The portion of the State under discussion is more favored, in regard to uniformity of temperature and by slightly greater average annual precipitation, than the western division, but there are greater seasonal variations in rainfall as well as a greater annual variation. The difference between the wettest and driest years at Charleston in the last thirty-eight years is nearly 48 inches of rainfall.

The climatic conditions of this section are nearly uniform, except as modified by the bordering ocean on the east and the hilly country on the west and by the difference in latitude between the southernmost and northernmost portions, amounting to about 3°. The southern portion of the immediate coast region has a semi-tropical climate. The interior is considerably cooler in the winters and hotter in the summers. The sequence of weather changes is about the same over the entire section, as the whole of it lies within the track of storms that cross the Gulf States or that come from the tropics.

Great temperature changes are uncommon. Cold waves occasionally occur, but become greatly modified when they reach this section, and rarely cause freezing temperatures in the southern portion. Below-zero temperatures have been observed but once in the last twenty years; at the same time zero temperatures were observed to within 20 miles of the coast. The lowest temperatures usually occur in February, although the average mean temperature is slightly lower in January.

Both the highest temperatures for the State and for this section usually occur in the western and central portions of this region. The highest observed temperature in the last eighteen years was 107° at Florence. Maximum temperatures of 100°, or above, sometimes occur in May and September, and are not uncommon in June, July, and August, except on the immediate coast.

The air ordinarily is humid during the warm weather, and has a depressing effect on the human system, but this feature of the climate is objectionable only during the two midsummer months.

The seasons are not so well defined as in the western, more elevated portions of the State. There is practically no winter weather on the coast, though snow occurs occasionally, only to melt as it falls. The occurrence of snow is more common in the northern portion, and sometimes accumulates to depths of an inch to a foot, but soon melts. In the western portion the temperature frequently falls below freezing, and frosts occur nearly as often and as early as in the western section.

The springs begin early in March in the southern portion, and the season advances at about an equal rate of progress, both northwesterly toward the interior and northeasterly along the coast.

The springs are long and warm, with somewhat less precipitation than the winters. This section, like the western, has two periods of maximum and two periods of minimum rainfall. The summer increase in precipitation begins about the middle of May and continues to the latter part of August, when the autumn decrease begins. The least precipitation of the year occurs during the latter part of October and early in November, after which the winter increase commences, reaching a maximum in February. The spring minimum occurs in April.

The precipitation is largely local during the springs, summers, and autumns, except such as may be received from tropical storms, and this is at times torrential. During the years when such storms are infrequent or absent the precipitation is light after the end of August.

The annual average precipitation ranges from 45 to 53 inches. It is about 50 inches along the immediate coast. It is least in the western portion. The principal period of crop growth, April to September, inclusive, receives an average of 29 inches, or about 58 per cent of the annual amount. June, July, and August, the period of greatest heat, receive 37 per cent of the annual rainfall, being an average of slightly more than 6 inches per month.

Short periods of drought sometimes occur in April. Longer and more frequent droughts oftimes prevail from September to November, inclusive.

The average of rainy days ranges from 9 to 16 days during the summers, while for the entire year the proportion of rainy days to fair is as one to two and a half.

The prevailing winds are southwest from April to August, inclusive, and variable during the rest of the year, though generally northeast during the autumns.

The country being mostly flat, the summer vegetation luxurious, and the soil generally porous, a larger portion of the precipitation is absorbed by the ground where it falls than in the hilly parts of South Carolina.

The distribution of precipitation over the several portions of this section, and for the various elevations, are shown in detail in the accompanying tables, which, as contemplated in these summaries, show the precipitation by months and years from the beginning of observations to the end of 1908.

No grouping of the tables into sections and regions has been made, as the variations for location and elevations are so small that grouping would have been difficult. Tables are also given showing the extremes and means of temperature, the occurrence of frost, the average number of days with rain during the various months of the year, the average relative humidity at one station, which is the only available data for the section, and the prevailing direction of the wind, with diagrams showing the monthly distribution of precipitation.

A table showing the average hourly velocity of the wind in miles per hour is also given for the only point where such observations have been made. The figures have too large values for the interior portions of the section, and apply only to the coast region. The accompanying chart shows the boundaries of the district under consideration, the location of the principal observing stations, the river systems, and the general elevation of the surface above sea level.—JACOB W. BAUER, *Section Director.*

Precipitation in eastern South Carolina. Monthly, annual, and average amounts (in inches and hundredths).

[Values in bold-face type are interpolated.]

ALLENDALE, S. C., Barnwell County. Elevation, 186 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882..	....	....	....	2.73	1.48	1.06	1.16	0.46	0.55	**0.17**	....	....	....
1883..	....	....	....	3.96	4.17	11.33	0.39	1.82	0.53	0.55	....	....	....
1884..	....	....	....	4.53	2.40	4.86	3.97	5.49	4.19	0.00	....	....	....
1885..	....	....	....	....	5.77	4.12	6.49	4.58	5.24	3.85	....	....	....
1886..	....	....	....	0.12	4.32	7.89	5.82	8.36	3.03	0.00	....	....	....
1887..	....	....	....	....	2.02	4.02	9.42	2.45	0.12	6.76	....	....	....
1888..	....	....	....	1.77	6.75	2.95	1.50	5.10	10.44	7.83	0.94	2.22	....
1889..	3.61	4.82	3.80	2.61	2.35	5.02	6.16	2.65	2.81	1.33	2.45	0.46	38.07
1890..	1.01	0.58	3.83	0.77	4.57	2.65	7.46	3.24	8.62	3.38	0.91	2.00	39.02
1891..	0.81	3.06	3.90	1.25	4.02	4.22	8.08	10.11	0.83	1.85	2.37	2.03	42.53
1892..	4.94	3.48	3.71	....	2.73	4.11	5.90	3.62	8.94	0.35	0.95	....	....
1893..	....	....	....	....	6.84	8.61	3.29	12.71	1.10	3.14	1.52	....	....
1894..	....	....	....	....	2.68	5.53	11.39	4.92	8.21	3.85	0.92	....	....
1895..	....	....	....	1.65	5.72	1.94	4.97	11.18	1.32	0.09	1.99	....	....
1896..	3.36	7.40	4.19	1.40	1.50	3.66	6.27	6.24	2.53	0.38	2.50	5.12	44.55
1897..	2.00	8.15	3.29	2.66	2.65	4.86	5.05	5.90	3.89	1.78	0.80	2.20	43.23
1898..	1.00	0.60	1.36	5.33	1.07	4.47	9.40	17.90	9.02	3.85	5.80	3.08	62.88
1899..	4.66	3.22	2.05	2.21	0.78	3.18	3.12	16.59	0.95	4.78	3.21	2.40	47.16
1900..	2.20	4.74	3.65	3.78	3.02	7.06	4.97	0.28	3.94	1.90	2.05	2.98	40.57
1901..	2.90	3.25	3.60	2.90	9.05	4.97	3.87	6.75	2.17	0.62	0.40	2.60	43.08
1902..	1.75	3.80	4.28	1.92	2.26	7.35	6.66	3.35	1.75	5.33	2.25	3.75	44.45
1903..	5.99	7.56	7.90	2.60	5.21	8.14	7.46	4.83	6.19	2.21	1.11	1.47	60.70
1904..	3.30	1.95	4.75	0.60	0.60	1.42	7.02	8.94	2.30	1.27	1.55	1.60	35.50
1905..	1.00	6.73	3.00	3.28	5.21	3.28	6.01	5.38	0.78	1.28	1.10	7.49	44.54
1906..	5.35	2.36	3.65	0.91	2.32	15.03	6.25	2.00	2.55	1.25	1.00	2.25	44.95
1907..	0.84	3.95	0.65	4.39	6.50	7.01	5.33	4.57	9.18	0.76	2.75	3.70	49.63
1908..	5.97	3.87	3.80	5.08	2.32	2.39	4.86	5.08	1.53	2.10	0.94	1.88	39.82
M'ns	2.98	4.09	3.61	2.57	3.63	5.19	5.64	6.09	3.81	2.25	1.79	2.78	44.43

BEAUFORT, S. C., Beaufort County, Elevation, 20 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1886..	....	....	....	....	....	....	....	5.00	0.50	2.75	0.13	1.87	....
1887..	3.75	2.69	0.40	3.07	2.21	4.55	2.99	3.43	1.12	2.38	T.	8.50	35.09
1888..	1.50	6.11	2.99	0.38	2.24	2.22	3.87	5.61	14.40	6.35	2.47	2.13	50.27
1889..	6.10	3.55	3.67	1.86	0.45	5.93	4.72	4.63	2.00	0.10	5.44	0.00	38.45
1890..	0.28	0.96	2.55	2.44	2.66	2.31	9.21	1.61	13.68	3.65	0.19	2.05	41.59
1891..	3.02	1.92	4.32	1.61	3.47	3.23	5.74	14.00	2.98	2.73	1.64	1.67	46.33
1892..	2.91	1.08	3.05	0.43	2.40	4.27	4.56	2.27	14.95	0.73	1.08	2.05	39.81
1893..	2.68	3.73	3.78	1.24	3.50	8.64	4.84	13.71	6.05	4.72	0.90	3.22	57.01
1894..	1.19	3.28	2.11	1.55	5.29	5.23	9.93	10.97	9.45	3.47	3.29	0.48	56.24
1895..	4.23	3.08	3.80	3.51	1.48	3.28	6.59	6.07	5.93	1.63	2.80	1.36	43.76
1896..	3.74	3.55	2.79	0.40	2.61	7.38	5.46	4.46	1.16	1.44	2.75	3.16	38.90
1897..	1.24	7.54	5.94	2.42	1.47	4.85	5.65	7.88	4.57	6.91	0.50	2.07	51.04
1898..	0.23	0.52	2.66	3.75	1.11	2.54	9.30	24.68	2.63	6.00	5.74	2.23	61.39
1899..	3.93	6.15	1.51	2.62	1.47	3.62	2.12	10.51	1.48	8.32	3.28	1.36	46.37
1900..	3.06	4.06	4.53	4.54	3.62	10.65	6.45	3.35	3.77	3.33	3.48	4.06	54.90
1901..	3.28	4.52	2.30	3.11	2.17	8.62	4.48	3.23	0.44	0.50	1.36	1.59	35.60
1902..	0.77	4.07	4.34	1.88	4.97	2.16	7.21	5.62	7.97	7.32	4.77	4.49	55.57
1903..	4.82	5.48	6.31	0.85	11.97	6.89	3.45	6.57	6.26	1.98	1.64	2.05	58.27
1904..	4.01	4.60	2.44	0.83	0.42	3.62	6.67	11.45	4.44	1.00	4.18	1.56	45.22
1905..	1.84	4.85	3.58	2.60	4.21	2.32	10.65	2.30	2.60	2.12	1.34	5.77	44.18
1906..	5.70	2.39	3.37	1.43	5.11	7.70	8.50	7.24	2.53	5.84	0.42	2.16	52.39
1907..	0.66	2.17	1.37	3.73	3.72	6.83	5.96	7.20	3.61	2.32	1.92	4.71	44.20
1908..	5.50	5.47	2.20	3.50	7.06	7.23	4.19	4.34	2.62	4.77	2.29	2.01	51.18
M'ns	2.91	3.72	3.18	2.17	3.35	5.19	5.80	7.27	5.01	3.41	2.25	2.63	46.92

NOTE—From 1886 to 1898 the values given are for Port Royal.

BLACKVILLE, S. C., Barnwell County. Elevation, 296 feet.

1884..	....	....	....	....	....	5.33	3.99	4.38	6.49	0.27	....	....	....
1885..	....	....	....	....	2.64	7.20	4.46	5.85	3.92	3.90	....	....	....
1886..	....	....	....	0.94	4.69	9.36	7.26	3.94	2.91	0.81	....	....	....
1887..	....	....	....	....	2.05	2.87	13.62	4.73	0.49	8.61	2.63	4.17	....
1888..	....	....	....	0.75	8.60	3.82	3.92	6.76	8.52	4.48	....	....	....
1889..	....	....	....	....	1.78	6.60	6.52	5.66	3.52	2.17	2.80	....	....
1890..	....	....	....	....	7.86	1.66	7.71	1.98	8.71	4.29	0.80	....	....
1891..	....	....	....	....	2.55	2.70	5.51	9.00	2.40	0.85	2.18	....	....
1892..	....	....	....	....	6.51	6.03	4.60	5.84	4.11	0.87	1.89	....	....
1893.	....	....	....	....	3.50	6.07	3.31	10.09	2.73	3.87	1.70	....	....
1894..	2.00	1.60	2.30	3.80	2.78	5.13	8.18	9.31	7.69	3.65	1.92	2.22	50.58
1895..	7.70	1.37	5.91	3.78	4.22	2.83	6.73	9.70	0.11	2.25	1.34	2.89	51.83
1896..	2.38	8.26	1.60	2.09	1.51	5.61	6.70	2.74	1.12	0.40	1.48	4.71	38.90
1897..	2.53	7.82	5.64	2.94	4.28	5.62	3.79	5.24	4.07	1.31	1.09	1.76	46.12
1898..	1.37	0.52	2.63	6.77	1.13	3.82	8.43	7.17	4.68	3.25	5.05	3.33	48.15
1899..	5.01	6.53	2.04	2.36	1.70	8.55	3.41	7.91	2.51	9.63	2.53	2.59	54.77
1900..	1.73	3.93	3.57	5.87	2.99	9.60	6.03	2.21	3.19	4.80	2.28	7.80	54.66
1901..	3.80	3.42	3.59	3.91	7.42	6.34	2.07	4.33	2.32	0.78	1.07	4.17	43.12
1902..	0.36	5.96	4.98	3.21	1.11	6.01	2.48	5.12	4.47	4.88	2.25	4.82	46.55
1903..	3.07	3.78	3.47	4.29	5.18	7.84	1.77	5.89	3.97	2.16	1.65	2.31	45.38
1904..	2.53	4.08	4.11	0.63	1.86	4.87	1.67	7.83	3.17	0.68	2.78	2.39	36.60
1905..	1.19	8.20	2.50	4.01	3.12	2.41	4.13	3.81	0.21	1.33	1.28	7.38	39.57
1906..	3.88	3.14	4.08	1.05	5.45	11.38	7.80	10.83	2.65	2.04	0.90	2.36	55.56
1907..	0.74	4.41	0.59	4.50	5.67	7.29	4.80	4.05	10.02	0.50	3.70	4.78	51.05
1908..	6.56	4.14	5.12	5.98	3.18	2.61	4.39	5.18	4.30	4.27	2.37	2.21	50.31
M'ns	2.87	4.68	3.48	3.35	3.82	5.70	5.39	5.98	3.92	2.88	2.08	3.74	47.89

BOWMAN, S. C., Orangeburg County. Elevation, 160 feet.

1901..	....	....	....	....	....	....	....	....	0.30	1.32	1.01	2.23	....
1902..	0.88	4.75	3.38	2.91	3.38	8.02	3.58	4.63	1.10	4.80	3.21	3.33	43.97
1903..	5.03	3.74	1.53	2.01	2.63	9.64	8.09	7.43	5.01	3.35	0.74	2.19	51.45
1904..	4.20	4.23	3.77	1.48	2.50	2.90	4.01	7.59	0.93	0.43	2.93	2.07	37.10
1905..	1.50	6.11	3.22	4.59	6.21	2.33	6.41	3.85	0.69	2.22	1.60	7.15	45.88
1906..	5.18	3.44	3.77	0.79	1.59	8.62	7.40	10.06	3.46	3.85	1.08	3.39	52.63
1907..	1.67	2.21	1.69	7.52	8.97	5.02	4.78	7.23	9.86	0.49	2.76	6.41	58.61
1908..	6.02	6.54	5.83	8.48	3.01	4.69	3.50	6.14	0.85	2.74	0.54	1.46	49.80
M'ns	4.07	4.45	3.31	3.97	4.04	5.89	5.40	6.93	2,78	2.40	1.70	3.53	48.53

CHARLESTON, S. C., Charleston County. Elevation, 48 feet.

1738..	1.10	4.42	4.53	1.08	3.13	1.57	10.66	4.10	10.79	1.36	2.66	3.88	49.28
1739..	2.31	2.88	5.61	0.20	5.12	15.81	5.45	12.21	4.83	6.59	1.24	3.69	65.97
1740..	4.87	3.08	1.14	1.09	5.61	4.65	3.01	7.30	3.20	1.26	1.85	2.74	39.80
1741..	4.49	4.62	5.71	1.31	4.81	5.54	3.40	7.14	6.73	3.40	2.96	1.92	52.06
1742..	2.19	1.65	5.20	0.92	5.90	3.25	1.25	7.65	2.90	0.76	3.39	0.96	36.02
1743..	3.17	2.44	0.62	5.29	2.54	1.90	7.74	3.77	4.69	1.67	3.22	2.71	39.76
1744..	1.99	3.06	0.58	2.87	2.87	5.81	8.44	4.20	5.66	1.60	1.56	9.68	48.32
1745..	0.86	7.74	3.23	3.84	1.83	9.51	6.77	9.34	0.75	2.96	0.68	2.62	50.13
1746..	1.14	2.70	1.63	1.13	3.99	4.11	9.90	6.11	0.93	0.51	3.59	3.92	39.66
1747..	3.43	2.86	2.58	0.29	0.92	2.47	6.41	4.90	7.22	9.50	1.06	2.92	44.56
1748..	2.21	1.57	3.05	0.98	1.83	1.86	9.27	6.88	7.44	5.55	5.37	5.59	51.60
1749..	1.06	4.52	7.48	1.76	5.56	4.69	6.22	11.12	1.30	3.90	1.24	5.59	51.44
1750..	2.56	3.14	0.94	2.31	2.37	8.69	5.69	5.35	12.37	5.00	3.14	4.61	56.17
1751..	0.00	5.37	1.34	2.31	5.53	2.46	6.54	12.14	11.67	0.35	0.68	2.41	50.80
1752..	3.60	0.80	1.72	0.44	2.79	2.62	1.48	10.72	14.66	1.20	0.81	2.04	42.88
1753..	2.11	3.82	3.78	0.17	4.60	2.79	8.48	7.67	4.82	4.92	3.10	1.10	47.36

CHARLESTON, S. C., Charleston County. Elevation, 48 feet—continued.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1754..	0.86	1.83	1.23	0.44	0.00	2.84	8.87	8.67	3.76	1.45	3.09	4.18	37.22
1755..	1.28	1.41	1.41	4.31	2.29	7.15	6.48	9.75	0.67	3.39	2.18	2.97	43.29
1756..	2.73	1.10	3.52	4.31	1.19	5.33	1.69	5.21	1.12	3.74	0.62	1.13	31.69
1757..	4.80	2.90	3.41	2.16	2.66	4.73	10.87	3.20	7.72	0.46	0.64	0.84	41.44
1758..	0.53	0.53	1.76	0.19	4.71	4.49	1.72	4.56	3.01	5.35	1.83	1.94	30.62
1759..	1.86	2.10	1.89	2.50	3.10	1.89	3.15	5.55	6.81	3.79	2.63	1.10	36.37
1760..	3.80	4.56	2.10	1.18	3.16	5.84	7.31	3.25	9.27	6.08	2.57	3.94	53.06
1761..	5.53	3.82	1.93	4.10	6.37	10.16	6.36	15.92	4.80	2.29	1.13	4.28	66.69
1762..	1.17	2.89	6.40	1.29	4.88	3.82	9.26	11.16	5.22	8.57	2.91	3.85	61.42
1763..	3.72	1.60	0.77	0.19	1.12	2.85	3.97	6.47	4.29	3.76	1.62	2.99	33.35
1764..	2.64	3.45	8.82	1.96	6.47	15.58	4.20	3.19	2.71	5.58	3.10	2.33	60.03
1765..	3.05	5.18	4.22	5.50	2.86	8.70	11.33	5.60	9.30	4.71	3.74	4.57	68.76
1766..	to 1784......		....	....	....	....	....	....	....	....	....	....	....
1785..	2.47	3.72	4.38	3.15	4.51	9.88	7.53	5.96	4.27	6.74	5.59	3.82	62.02
1786..	3.16	4.83	4.22	1.17	2.74	5.60	4.51	4.76	5.33	8.19	4.48	4.66	53.65
1787..	6.82	2.17	1.39	0.23	0.10	4.22	6.45	3.40	16.09	7.60	2.30	3.90	54.67
1788..	4.10	3.90	2.50	1.10	2.80	3.60	5.70	5.50	3.20	5.40	6.30	4.30	48.40
1789..	2.50	1.30	0.10	0.40	1.20	5.30	5.80	4.30	8.20	6.50	0.80	1.70	38.10
1790..	3.30	1.50	0.80	1.20	0.30	2.80	3.60	2.20	6.40	3.50	1.10	2.90	29.60
1791..	4.20	3.80	1.10	0.90	2.70	6.60	9.40	10.30	12.60	7.80	4.10	3.10	66.60
1792..	to 1806......		....	....	....	....	....	....	....	....	....	....	....
1807..	4.30	2.60	0.70	1.90	3.70	3.90	3.70	5.60	4.50	3.80	3.40	4.10	42.20
1808..	0.90	1.40	2.80	0.60	4.50	5.30	6.90	4.20	3.40	2.70	4.20	3.90	40.80
1809..	2.20	4.20	5.60	3.40	4.90	6.10	5.70	13.50	7.80	4.00	4.50	4.10	66.00
1810..	3.70	3.30	4.20	2.60	2.70	5.30	4.10	5.90	4.60	3.80	2.40	2.80	45.40
1811..	2.50	5.10	2.40	3.50	5.30	3.40	5.60	6.20	3.10	4.40	3.10	4.70	49.30
1812..	to 1831......		....	....	....	....	....	....	....	....	....	....	....
1832..	2.26	3.74	2.80	3.56	4.19	4.37	3.38	2.91	6.59	3.16	3.74	4.28	45.98
1833..	3.18	2.64	1.17	1.93	3.76	6.42	5.20	8.18	3.30	5.81	3.54	3.25	48.38
1834..	4.06	5.37	4.50	3.28	4.72	11.43	9.09	5.17	4.35	6.66	4.63	5.10	68.56
1835..	3.70	4.11	3.51	5.06	2.83	5.40	3.65	4.86	3.24	4.63	3.87	4.19	49.05
1836..	2.36	3.12	0.98	1.54	1.17	4.85	3.16	2.25	9.81	5.43	2.60	3.62	40.89
1837..	5.18	2.46	1.22	7.60	3.85	8.56	5.30	4.79	7.92	2.18	3.29	4.10	56.49
1838..	4.10	2.18	4.22	3.80	4.60	12.22	5.60	4.20	3.60	6.45	4.30	3.66	58.93
1839..	3.49	3.35	6.14	2.76	2.19	8.18	4.93	8.60	4.28	3.16	3.12	2.80	53.00
1840..	2.53	3.10	1.18	2.55	4.30	6.83	5.50	6.32	3.15	4.12	3.25	3.27	46.10
1841..	4.49	3.00	7.25	2.36	0.72	4.32	5.31	16.90	3.75	2.73	1.12	1.99	53.94
1842..	0.54	2.79	0.05	1.56	4.69	4.39	9.17	6.48	3.12	3.54	2.35	3.41	42.09
1843..	1.52	1.28	12.14	0.65	3.22	3.59	8.96	9.68	8.11	2.60	0.77	2.20	54.72
1844..	2.21	2.33	4.20	1.50	2.14	1.80	0.45	7.38	4.95	1.53	5.40	2.50	36.39
1845..	3.65	1.20	2.72	0.10	7.62	1.69	8.02	9.42	2.27	5.51	0.62	3.62	46.44
1846..	4.46	3.79	5.72	2.43	2.53	5.24	4.32	8.24	3.03	2.44	0.56	1.58	44.34
1847..	1.65	2.80	6.54	0.77	6.91	3.00	9.26	9.21	4.28	0.72	0.72	1.97	47.83
1848..	0.73	2.73	0.17	2.97	4.62	3.40	4.73	4.59	4.62	9.05	1.67	4.12	43.40
1849..	0.23	1.36	0.80	0.22	3.53	1.64	6.35	5.16	6.27	3.91	0.23	0.99	30.69
1850..	2.16	1.94	5.17	2.10	2.64	0.14	0.66	4.56	1.17	0.58	0.63	1.94	23.69
1851..	3.08	0.85	0.97	1.19	0.58	9.76	6.32	5.44	0.46	0.85	2.50	1.13	33.14
1852..	0.62	0.81	3.57	4.50	4.22	5.18	6.92	4.21	12.27	1.16	1.93	4.32	49.72
1853..	1.07	2.00	2.77	0.11	1.61	3.83	10.06	3.58	10.62	2.87	3.12	1.84	43.48
1854..	2.87	2.09	0.87	1.04	5.29	4.18	6.62	1.56	8.73	1.33	1.09	1.05	37.62
1855..	0.75	0.81	4.41	0.88	5.39	3.69	4.42	2.69	3.28	0.86	0.97	6.70	34.85
1856..	7.02	2.01	6.41	1.00	7.87	5.04	3.49	7.25	1.95	2.25	2.54	2.29	49.12
1857..	1.61	1.35	2.50	3.95	2.26	2.87	9.57	2.25	1.21	2.33	2.87	5.36	38.13
1858..	2.85	5.66	1.80	1.14	4.13	2.05	7.89	6.79	8.26	0.93	4.09	2.51	48.12
1859..	4.21	3.85	5.31	2.05	0.44	7.27	4.17	15.15	1.85	0.60	2.44	2.85	50.19
1860..	4.22	2.80	1.73	1.10	2.16	4.38	6.16	4.30	3.27	7.13	3.45	3.66	44.36
1861..	5.37	2.83	2.38	3.58	4.19	1.92	0.86	7.89	5.49	4.37	2.44	3.16	44.48
1862..	6.83	4.46	2.55	3.72	5.46	2.80	4.65	3.68	3.72	6.85	4.17	3.43	52.32
1863..	1.29	3.79	1.07	0.66	1.09	1.65	3.41	4.77	2.28	4.35	3.18	5.52	33.06
1864..	3.65	2.43	6.59	1.78	1.18	3.34	8.69	3.02	5.32	11.14	5.76	4.27	57.17
1865..	3.64	4.41	4.83	1.00	1.77	12.26	0.65	6.48	1.37	2.47	8.33	9.91	57.25
1866..	1.10	1.46	1.46	2.83	4.31	4.75	5.20	4.83	4.78	2.23	1.43	1.96	36.34
1867..	3.89	2.60	6.59	2.08	4.16	13.22	4.93	9.89	4.58	5.62	1.30	2.20	61.06
1868..	6.06	5.26	1.61	5.48	1.95	15.19	2.56	5.90	4.80	5.14	1.56	5.61	61.12
1869..	2.37	4.20	2.70	2.47	0.66	0.22	9.00	1.85	3.99	3.98	2.66	9.01	43.11
1870..	4.35	2.92	6.55	1.81	4.27	6.22	3.00	3.75	2.14	5.02	4.63	3.61	48.27
1871..	1.27	4.66	4.72	5.60	7.87	2.33	2.91	14.97	6.52	4.76	4.09	3.67	63.37
1872..	3.78	5.13	9.78	2.46	6.30	1.87	2.30	7.81	7.88	3.89	3.40	2.46	57.06
1873..	4.13	2.27	3.05	1.33	4.90	6.29	6.97	12.94	8.18	2.07	5.08	4.94	62.15
1874..	3.51	10.45	3.45	2.95	5.50	2.29	13.74	7.06	6.66	1.85	2.11	2.94	62.51
1875..	7.77	4.27	6.37	4.56	8.51	3.15	1.05	1.91	4.18	3.90	3.38	1.92	50.97
1876..	0.63	2.43	2.54	4.93	3.77	14.98	11.26	5.10	11.26	14.32	1.35	5.85	78.42
1877..	4.44	2.96	7.86	15.00	2.71	10.31	10.21	2.21	6.30	4.87	7.02	4.22	78.11
1878..	7.83	3.15	1.94	9.08	6.32	5.47	12.10	10.73	8.28	3.98	3.18	5.38	77.44
1879..	1.74	4.56	1.44	6.29	3.36	3.29	7.77	4.50	5.90	6.74	3.70	1.00	50.29
1880..	2.15	3.97	2.01	3.65	0.90	2.18	5.77	3.07	4.89	9.19	5.50	3.41	46.69
1881..	5.98	1.56	4.11	3.37	0.48	1.47	4.99	7.25	5.49	1.59	2.15	4.76	43.20
1882..	1.69	1.09	5.96	2.72	1.82	9.12	5.35	9.32	5.85	6.56	3.54	3.99	57.01
1883..	4.06	0.92	4.84	3.47	8.62	2.88	8.93	10.05	2.36	1.33	1.03	2.81	51.35
1884..	5.81	4.29	4.39	3.45	2.18	8.25	9.52	6.12	11.03	0.35	1.49	3.26	60.22
1885..	6.88	3.64	1.76	1.17	2.20	5.96	7.49	19.18	3.32	8.09	1.94	6.30	67.93
1886..	5.64	2.13	2.60	1.19	1.00	10.78	4.16	3.28	3.03	0.01	0.33	1.79	35.94
1887..	4.30	2.29	0.50	3.53	4.26	4.54	7.74	4.12	1.31	3.55	0.64	7.91	44.69
1888..	1.95	3.64	3.64	1.38	5.82	3.14	6.06	4.01	5.33	4.83	7.54	2.12	49.46
1889..	6.46	4.54	7.49	2.41	0.98	5.96	6.74	7.36	2.17	0.73	7.28	0.03	52.15
1890..	1.28	1.28	1.72	2.58	3.67	1.32	12.87	5.16	11.89	4.64	0.42	1.01	47.84
1891..	2.33	0.99	5.47	2.07	3.85	1.20	8.98	6.96	6.06	4.20	1.77	1.62	45.50
1892..	4.00	1.54	2.84	0.51	3.03	10.32	10.33	4.73	11.77	0.75	0.98	2.52	53.32
1893..	3.22	2.97	3.07	1.16	3.36	16.50	4.65	15.53	7.10	7.51	1.36	4.56	70.99
1894..	1.71	3.91	1.78	0.53	3.47	3.38	11.28	12.11	10.94	4.12	3.14	0.44	56.81
1895..	7.68	4.47	5.22	4.21	5.63	4.25	6.46	5.08	6.94	0.77	2.44	2.03	55.18
1896..	4.34	4.04	3.64	0.71	0.52	7.57	10.58	4.72	2.75	1.38	1.77	5.76	47.78
1897..	0.81	7.61	4.38	1.89	1.20	5.47	9.42	7.34	2.61	7.04	0.50	2.35	50.65
1898..	0.19	0.51	1.71	2.48	0.64	4.68	12.99	11.34	1.49	3.44	4.63	2.32	46.42
1899..	2.84	4.82	1.60	3.65	3.31	3.29	5.11	8.66	1.77	3.48	4.95	0.85	44.33
1900..	3.10	2.31	3.51	3.42	1.38	6.29	1.59	0.40	2.34	4.63	4.48	4.65	38.10
1901..	2.25	3.58	2.40	1.64	4.30	4.15	5.52	4.95	0.40	0.86	0.79	1.85	32.70

CHARLESTON, S. C., Charleston County. Elevation, 48 feet—continued.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902..	0.45	2.92	4.36	1.03	1.43	1.82	6.79	3.04	3.73	3.37	4.05	4.23	37.22
1903..	5.17	2.07	3.44	0.96	4.85	4.64	3.23	10.83	2.36	2.30	1.20	1.81	42.86
1904..	3.49	3.57	1.54	0.17	1.46	3.82	6.36	6.62	3.17	4.75	1.85	1.08	37.88
1905..	1.32	3.67	2.50	2.30	4.33	2.43	5.70	2.63	2.16	2.63	0.94	4.24	31.85
1906..	3.65	2.08	2.32	1.17	2.91	4.75	8.68	7.87	3.31	4.67	0.38	1.83	43.62
1907..	0.88	1.61	1.01	3.72	2.98	4.58	2.33	5.04	2.73	1.53	1.22	4.08	31.71
1908..	2.49	3.15	2.16	4.92	2.01	2.70	2.80	4.88	1.06	1.55	2.75	0.94	31.41
M'ns	3.08	3.08	3.31	2.40	3.41	5.28	6.22	6.65	5.22	3.90	2.70	3.34	48.59

CONWAY, S. C., Horry County. Elevation, 25 feet.

1888..	....	3.17	4.79	2.18	7.63	1.53	4.25	3.58	....	....	7.53	....	....
1889..	5.67	5.30	4.10	2.07	1.59	3.57	10.31	4.45	5.55	1.69	3.01	0.00	47.37
1890..	0.96	0.85	2.19	1.21	3.59	1.43	5.13	....	....	1.91	0.18	1.07	....
1891..	....	....	6.37	1.11	2.64	2.31	6.64	....	....	1.52	0.43	0.75	....
1892..	5.43	3.05	....	....	....	....	....	....	....	....	....	....	....
1893..	....	....	....	2.09	....	....	....	....	....	....	....	3.56	....
1894..	3.44	4.94	2.81	1.34	3.99	2.23	11.56	8.19	7.28	5.12	3.23	1.44	55.57
1895..	10.10	3.90	4.68	6.61	5.57	3.54	5.52	9.10	2.88	0.47	2.61	1.88	56.86
1896..	3.35	6.03	2.05	1.98	3.34	6.69	6.73	5.84	3.33	1.03	4.43	5.91	51.31
1897..	2.09	8.70	2.13	1.59	3.15	5.10	3.66	5.76	3.04	2.64	0.90	3.01	42.37
1898..	0.95	1.82	2.89	4.27	1.86	5.05	6.00	9.54	3.96	2.73	4.43	3.51	47.01
1899..	3.81	6.11	2.01	5.52	2.85	7.45	7.89	6.95	4.88	3.85	1.86	1.53	54.71
1900..	3.32	5.75	4.69	3.00	1.42	9.79	4.06	3.13	2.61	4.93	1.75	6.55	51.00
1901..	3.30	4.08	5.34	3.20	8.02	5.79	7.87	5.56	3.50	1.10	1.40	5.21	54.40
1902..	1.16	5.81	3.25	1.08	2.50	4.20	1.80	8.25	6.03	5.94	3.94	6.80	50.76
1903..	4.24	3.75	5.59	2.50	1.60	4.74	2.25	8.42	5.72	3.34	0.91	3.35	46.45
1904..	3.03	3.52	4.68	1.05	2.40	4.00	9.77	9.48	5.55	2.30	1.20	2.30	49.28
1905..	2.65	4.45	2.75	7.00	4.95	3.65	7.15	6.85	1.85	3.20	1.30	5.13	50.93
1906..	5.48	5.60	4.31	0.60	2.41	8.15	6.55	9.00	3.39	8.14	2.15	3.37	51.15
1907..	0.85	3.10	1.37	7.89	4.14	10.21	9.72	8.67	8.55	0.77	2.78	4.72	62.77
1908..	2.60	7.33	5.06	4.63	2.13	5.15	11.15	8.21	4.00	9.42	1.24	2.89	63.81
M'ns	3.47	4.62	3.74	3.05	3.46	4.98	6.74	7.12	4.42	3.31	2.38	3.32	50.64

CHERAW, S. C., Chesterfield County. Elevation, 144 feet.

1883..	....	....	....	3.39	3.02	7.51	2.33	2.56	5.56	2.63	....	....	....
1884..	....	....	....	3.33	4.06	4.84	8.34	2.97	3.51	0.28	....	....	....
1885..	....	....	....	....	5.53	4.98	4.98	2.09	1.90	2.28	....	....	....
1886..	....	....	....	1.98	3.26	0.73	4.20	6.23	1.65	0.81	....	....	....
1887..	2.50	2.93	1.56	1.75	3.23	3.27	7.88	10.20	0.54	10.11	0.77	4.05	48.79
1888..	3.01	4.27	5.35	1.34	4.73	4.81	3.49	4.19	6.31	2.31	1.15	3.06	44.05
1889..	....	....	....	....	3.79	4.57	10.89	10.01	3.95	3.14	3.78	0.20	....
1890..	1.27	1.30	3.64	2.09	4.13	0.93	5.61	6.06	3.85	3.20	0.65	1.96	34.69
1891..	4.42	3.15	6.42	1.73	4.07	3.32	5.41	8.85	1.21	1.81	2.27	1.15	43.81
1892..	6.96	5.65	2.41	2.34	2.96	5.21	13.47	6.54	4.89	0.69	2.00	3.53	56.65
1893..	0.91	7.25	1.97	0.63	5.31	2.58	2.87	14.41	3.58	2.79	2.20	3.42	47.95
1894..	3.27	3.02	1.31	5.26	2.73	5.08	8.39	7.93	7.11	5.62	2.09	2.33	54.14
1895..	6.69	2.70	6.24	6.15	2.70	3.29	0.73	8.51	0.54	2.07	1.77	3.41	44.80
1896..	1.51	4.06	1.43	1.25	4.29	5.61	8.38	3.93	5.39	1.64	2.55	2.13	42.17
1897..	0.87	6.39	4.01	2.17	3.91	7.01	6.08	2.92	1.16	1.50	3.74	1.97	41.67
1898..	1.77	1.22	2.36	4.78	1.81	6.89	7.43	6.80	1.93	1.85	3.92	1.02	41.78
1899..	5.09	10.19	4.84	2.29	1.30	3.52	3.05	1.23	2.38	5.62	2.28	2.80	41.59
1900..	1.28	4.12	4.65	5.01	2.86	8.71	4.74	0.63	1.55	3.16	2.93	6.10	46.04
1901..	3.10	1.91	3.80	4.51	10.19	9.70	6.20	12.25	8.40	0.18	0.61	4.06	65.51
1902..	2.73	5.43	2.84	2.58	4.04	1.39	6.87	3.34	2.64	3.53	3.48	4.57	43.44
1903..	2.53	8.06	5.01	2.97	2.85	7.91	3.72	9.00	5.07	3.41	0.63	2.16	53.32
1904..	3.20	3.90	3.50	1.41	1.70	5.58	14.38	6.52	4.18	2.26	3.44	2.60	52.67
1905..	1.31	5.63	3.23	4.44	6.97	1.18	5.83	6.52	4.21	1.65	1.10	7.52	49.51
1906..	4.29	2.97	5.04	1.98	2.32	10.83	6.14	10.36	3.28	2.70	0.65	3.36	53.92
1907..	0.47	4.16	1.78	4.99	5.11	8.55	2.63	5.13	5.81	0.34	4.68	4.41	48.56
1908..	4.16	4.79	5.74	1.64	4.06	4.19	4.38	10.53	2.61	4.96	1.53	3.35	51.96
Mn's	2.92	4.47	3.67	2.92	3.88	5.43	6.09	6.63	3.58	2.71	2.19	3.17	47.66

DILLON, S. C., Marion County. Elevation, 100 feet.

1899..	3.13	6.13	3.19	4.56	1.68	5.77	10.16	3.73	3.05	4.25	2.23	2.04	49.92
1900..	2.27	6.53	4.09	5.51	2.53	5.51	2.80	3.26	1.08	3.48	3.14	6.10	46.30
1901..	5.50	2.43	3.14	4.78	11.69	4.14	10.40	9.42	4.81	0.62	1.11	4.37	62.41
1902..	2.05	5.50	3.13	3.39	6.53	3.54	3.26	3.85	3.24	3.07	6.62	2.57	46.75
1903..	3.98	5.66	7.05	2.39	0.44	6.52	5.18	9.96	**2.05**	**3.50**	**0.50**	**2.65**	49.88
1904..	**2.95**	3.20	2.60	1.02	1.69	2.92	4.66	5.56	8.60	3.01	2.82	1.52	40.61
1905..	1.40	5.29	3.34	4.78	5.42	3.49	4.17	4.65	2.83	2.75	1.45	6.27	45.84
1906..	4.23	6.46	4.98	1.34	2.24	8.20	9.80	2.43	3.09	3.33	1.33	2.85	50.28
1907..	0.27	4.62	2.23	3.24	3.21	6.75	3.06	4.31	4.11	0.85	2.98	4.62	40.25
1908..	3.21	5.35	5.46	4.90	1.79	5.55	8.10	10.16	4.43	6.27	0.75	2.99	58.96
M'ns	2.90	5.12	3.92	3.59	3.72	5.24	6.16	5.73	3.74	3.11	2.29	3.60	49.12

NOTE—From January, 1899, to August, 1903, the values given are for Temperance.

DARLINGTON, S. C., Darlington County. Elevation, 175 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895..	....	....	....	....	....	....	....	....	1.13	2.37	....	2.87	....
1896..	1.98	6.52	2.00	2. 8	2.64	8.12	6.46	4.06	2.49	1.33	4.18	2.15	45.00
1897..	1.85	8.14	3.03	4.36	1.58	4.50	8.05	1.91	2.02	1.17	0.72	2.19	42.55
1898..	1.47	1.00	2.61	5.08	0.97	8.30	5.57	8.12	4.36	1.87	5.62	1.42	46.82
1899..	3.17	4.99	3.95	3.13	0.61	3.67	3.69	4.82	3.31	6.31	1.67	2.41	42. 6
1900..	1.82	7.07	3.06	6.20	1.19	6.09	2.25	2.53	3.59	1.92	2.16	6.11	44.02
1901..	3.63	2.07	4.45	4.18	9.02	5.91	6.69	5.81	4.71	0.33	1.48	5.01	53.10
1902..	2.21	4.94	1.90	2.85	3.78	2.62	3.14	6.53	1.32	2.96	5.16	2.58	4 .30
1903..	3.05	8.51	3.80	2.63	2.74	8.04	4.18	10.01	1.93	4.68	0.85	2.00	53.47
1904..	2.49	3.57	2.47	1.37	4.36	6.27	5.84	8.10	4.90	1.02	2.81	2. 7	45.07
1905..	2.00	5.00	2.25	6.08	7.61	1.62	5.03	6.55	8.60	2.10	1.20	6.4	5 .4
1906..	4.54	3.48	5.32	0.37	2.92	10.53	6.71	5.05	4.15	3.37	1.01	3.65	51.10
1907..	0.42	4.24	2.58	3.94	4.79	12.38	4.92	3.51	4.42	0.17	3.60	3.75	48.71
1908..	4.20	2.71	3.32	4.00	4.25	4.05	5.52	8.93	3.93	4.70	1.11	2.58	49.30
M'ns	2.59	4.79	3.14	3.63	3.57	6.37	5.23	5.84	3.64	2.68	2.45	3.27	47.20

EDISTO, S. C., Bamberg County. Elevation, 143 feet.

1882..	....	....	....	2.16	2.69	3.35	4.09	4.60	2.31	3.89	....	....	....
1883..	....	....	....	3.72	3.10	4.57	3.62	4.09	3.09	0.67	....	....	....
1884..	....	....	....	4.62	1.58	6.55	5.21	5.07	4.27	0.03	....	....	....
1885..	....	....	....	....	1.03	5.67	3.10	7.21	2.36	3.18	....	....	....
1886..	....	....	....	0.75	3.03	10.90	6.85	4.48	2.01	1.80	....	....	....
1887..	....	....	....	....	4.81	3.08	6.57	1.27	1.30	4.15	....	....	....
1888..	....	....	....	1.31	5.75	0.71	3.19	4.10	5.26	2.38	....	....	....
1889..	....	....	....	....	2.08	2.29	5.53	4.23	1.88	0.80	1.96	....	....
1890..	....	....	....	....	4.42	2.33	6.36	4.31	5.08	0.09	0.76	....	....
1891..	....	....	....	....	2.30	2.69	7.37	10.99	5.51	3.04	1.63	....	....
1892..	....	....	....	....	....	....	....	....	....	....	....	....	....
1893..	....	....	....	....	....	....	....	....	....	....	....	....	....
1894..	1.46	5.23	2.19	2.09	....	2.61	8.01	0.70	7.01	4.47	1.23	1.13	....
1895..	0.13	4.04	4.80	4.11	5.71	3.46	4.76	8.51	1.09	0.76	1.20	2.69	50.20
1896..	2.30	6.95	2.57	0.91	1.04	6.20	4.83	3.05	3.68	0.79	3.35	0.12	42.15
1897..	1.99	8.09	5.28	3.22	0.99	9.12	6.82	3.49	4.11	1.28	1.01	1.63	47.06
1898..	1.13	0.81	2.96	7.61	1.50	4.00	5.25	7.52	2.21	2.04	5.71	2.31	43.96
1899..	4.12	4.97	2.17	3.38	1.40	3.44	3.43	3.95	1.97	5.09	2.17	1.91	38.60
1900..	2.18	4.91	4.16	5.20	3.02	8.55	3.83	0.56	1.72	5.57	**3.00**	**8.00**	50.70
1901..	3.18	2.39	4.23	3.99	8.15	5.83	2.89	5.20	4.18	1.30	0.78	4.21	46.63
1902..	1.12	5.59	3.38	3.43	3.76	7.53	1.81	6.86	3.02	3.59	2.30	4.99	50.29
1903..	3.86	5.39	4.59	3.03	1.91	12.77	6.05	8.16	3.47	2.30	0.90	2.25	51.68
1904..	3.00	4.10	4.20	0.65	2.00	5.58	5.27	7.88	2.10	0.31	2.11	3.00	40.32
1905..	3.90	7.90	3.12	2.92	3.40	1.75	4.00	6.91	1.88	1.20	1.65	6.40	45.96
1906..	4.78	3.94	3.80	0.74	1.99	13.40	7.48	11.67	1.43	2.65	0.91	2.33	55.21
1907..	0.76	4.64	2.18	9.67	7.26	10.99	9.01	6.75	8.12	1.01	6.96	5.75	72.71
M'ns	3.09	4.85	3.57	3.32	3.17	5.72	5.38	5.89	3.32	2.26	2.23	3.09	45.86

NOTE—From 1882 to 1891 the values given are for Branchville.

EFFINGHAM, S. C., Florence County. Elevation, 106 feet.

1891..	....	....	....	....	1.71	2.37	8.23	4.57	1.80	3.03	2.17	1.76	....
1892..	5.32	6.51	3.28	1.61	2.95	3.69	9.93	2.45	3.30	0.78	2.05	3.42	45.33
1893..	2.77	4.28	2.60	0.61	5.07	7.71	1.71	15.41	3.02	4.13	2.14	3.50	53.81
1894..	3.81	3.46	2.86	1.34	3.60	2.56	5.29	11.14	8.19	5.40	1.85	2.05	51.55
1895..	7.27	4.16	5.02	6.08	3.51	3.63	4.45	5.67	1.86	1.90	1.16	2.62	47.63
1896..	2.65	6.02	1.94	1.31	3.85	6.31	5.22	5.91	1.70	1.43	3.61	2.80	42.81
1897..	1.64	7.02	3.27	1.60	4.07	5.30	4.91	4.26	2.88	1.20	2.87	2.29	41.31
1898..	1.05	0.81	2.03	4.81	1.19	3.10	4.72	12.12	4.21	2.21	5.13	3.72	45.43
1899..	5.44	5.18	3.21	2.88	1.50	2.81	2.25	1.85	1.76	3.72	1.98	1.77	31.35
1900..	1.85	5.17	3.57	4.67	2.21	6.38	1.33	1.48	2.20	2.49	3.17	8. 5	15.90
1901..	4.31	3.50	2.73	4.84	7.08	6.26	4.10	6.72	4.05	1.12	1.82	4.05	5 .78
1902..	0.97	6.21	3.58	3.15	3.44	6.08	2.71	6.80	1.79	5.97	3.14	1.59	48.70
1903..	5.50	5.38	6.28	3.97	2.90	7.60	3.11	7.20	3. 3	3.80	1.42	2.03	53.22
1904..	3.20	4.34	3.46	1.50	1.27	11.17	3.81	13.43	6.85	1.19	3.20	2.50	50.12
1905..	1.30	6.88	2.80	7.20	8.98	2.30	0.90	3.70	2.70	2.70	1.05	5.15	15.66
1906..	6.75	6.23	7.25	1.40	2.75	14.10	7.35	7.40	3.95	3.00	0.75	1.95	62.88
1907..	0.51	4.50	0.75	5.13	5.55	8.90	4.90	11.40	3.80	1.00	1.80	3. 0	55.11
1908..	3.73	9.06	7.00	6.52	3.95	8.80	9.69	9.73	4.15	2.95	1.05	2.65	70.08
M'ns	3.42	5.22	3.63	3.45	3.63	6.08	3.89	7.11	3.50	2.83	2.47	3.31	48.54

FLORENCE, S. C., Florence County. Elevation, 136 feet.

1882..	....	....	....	5.12	1.81	3.19	**10.98**	**8.52**	**4.74**	**3.46**	....	....	....
1883..	....	....	....	4.18	3.80	4.19	2.65	1.43	8.63	2.0	....	....	....
1884..	....	....	....	2.72	4.69	7.39	9.61	1.73	5.41	0.12	....	....	....
1885..	....	....	....	....	4.71	5.64	3.99	7.22	3. 7	1.39	....	....	....
1886..	....	....	....	1.08	4.93	9.82	4.70	5.89	5.01	0.60	....	....	....
1887..	....	2.33	1.31	2.49	4.05	2.19	6.45	3.75	1.00	8.09	1.73	....	....
1888..	2.33	....	....	0.91	6.38	1.12	5.09	3.18	7. 8	3.76	....	....	....
1889..	....	....	....	....	5.61	4.31	5.81	11.89	1.16	2.16	4.11	1.20	....
1890..	0.93	1.92	2.86	2.70	4.86	3.24	6.08	5.12	8.21	1.12	1.56	....	....
1891..	....	....	....	....	3.06	2.52	8.15	5.70	2.08	2.55	2.34	....	....
1892..	....	....	....	1.04	3.33	4.85	10.26	2.57	3.46	0.48	1.04	....	....
1893..	....	....	....	....	1.08	12.61	3.38	14. 7	5.29	4.11	2.63	....	....
1894..	....	....	....	....	3.25	2.49	6.69	11.89	7.24	6.89	1.81	....	....
1895..	7.30	4.00	5.10	3.92	4.44	3.26	3.44	4.06	1.47	2.01	1.72	2.38	43.13
1896..	2.61	5.63	2.06	1.69	4.31	5.49	5.77	3.93	2.35	0.63	4.39	3.17	42.03

FLORENCE, S. C., Florence County. Elevation, 136 feet—continued.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897..	1.74	7.84	3.67	2.27	3.32	6.42	6.45	4.32	2.40	1.95	2.56	2.91	45.85
1898..	1.08	0.69	1.44	4.13	1.57	5.20	8.39	7.20	5.21	1.91	**5.80**	2.15	44.80
1899..	4.51	6.58	2.41	4.06	0.75	6.44	3.31	3.77	2.30	4.83	0.72	1.70	41.38
1900..	1.91	7.42	4.77	4.64	1.72	4.87	3.61	2.17	3.47	1.79	3.50	7.90	47.77
1901..	3.41	2.62	3.07	4.74	8.36	6.09	4.37	9.96	3.88	0.88	1.20	3.67	52.25
1902..	1.30	5.49	1.98	2.42	2.89	2.82	2.43	4.22	1.16	3.79	4.38	4.59	37.47
1903..	4.24	6.85	8.74	3.28	1.45	5.73	5.27	5.92	4.30	4.51	0.89	2.32	53.50
1904..	2.12	3.34	2.23	1.37	2.10	7.06	5.30	7.41	5.46	1.26	3.09	2.04	42.78
1905..	1.71	4.58	2.18	4.26	4.94	4.66	4.11	4.64	3.63	3.28	1.27	4.02	43.28
1906..	3.63	4.01	5.13	0.69	2.12	10.84	6.47	5.76	2.41	2.18	0.60	3.01	46.85
1907..	0.26	3.43	1.13	4.35	3.38	7.21	4.91	2.06	4.86	0.55	3.06	4.18	39.38
1908..	3.60	6.52	3.89	6.12	4.46	3.43	6.79	6.33	6.77	4.44	1.26	1.36	54.97
M'ns	2.67	4.45	3.25	3.10	3.72	5.31	5.72	5.73	4.21	2.87	2.41	3.11	46.55

GEORGETOWN, S C., Georgetown County. Elevation, 12 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	....	....	....	....	....	12.40	7.40	18.45	4.79	4.33	0.86	4.67	....
1894..	2.32	3.18	1.15	1.70	1.67	1.09	9.97	7.23	10.35	3.62	2.15	1.03	45.46
1895..	7.58	2.00	5.75	3.80	5.25	2.12	8.20	7.33	1.70	0.20	2.73	3.80	50.46
1896..	3.45	5.60	2.20	0.69	1.62	5.33	10.47	4.75	2.87	1.66	3.95	4.50	47.09
1897..	1.30	10.50	3.07	5.85	2.75	4.80	4.90	4.30	3.60	3.80	1.00	1.10	46.97
1898..	2.50	2.00	2.75	4.95	1.90	5.00	8.50	6.20	....	....	5.30	4.15	....
1899..	3.00	3.70	2.75	4.25	3.50	3.00	4.50	7.77	2.25	**3.20**	**5.50**	1.60	45.02
1900..	5.65	3.50	2.65	2.35	2.60	9.55	4.05	3.05	4.75	5.55	1.50	5.70	50.90
1901..	5.15	5.40	4.27	2.95	7.50	11.65	13.25	7.40	**3.00**	T.	3.10	4.85	68.52
1902..	1.90	4.65	6.00	2.00	1.57	4.00	**5.00**	4.55	**4.00**	3.95	5.40	5.60	48.62
1903..	7.10	4.50	6.00	**2.00**	2.75	**5.70**	**6.00**	**9.90**	2.50	3.00	T.	5.10	54.55
1904..	3.50	**2.30**	**4.20**	**1.00**	**1.60**	**3.10**	**6.20**	4.63	5.95	2.85	2.98	1.35	38.61
1905..	1.80	3.72	2.84	5.09	4.39	2.11	8.56	2.72	1.71	3.05	1.20	8.90	46.09
1906..	5.95	7.26	3.51	1.25	2.26	11.19	8.40	0.72	3.93	12.15	0.50	3.10	66.31
1907..	1.91	1.90	1.21	6.03	3.54	4.88	8.66	6.51	5.04	0.80	2.16	3.93	46.57
1908..	3.63	4.56	1.75	4.37	2.90	2.55	6.57	6.30	0.78	3.64	2.13	1.57	40.75
M'ns	3.98	4.32	3.34	3.22	3.05	5.53	7.54	6.74	3.81	3.45	2.33	3.81	50.12

KINGSTREE, S. C., Williamsburg County. Elevation, 54 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882..	....	....	....	....	....	....	4.56	5.03	3.40	5.30	....	....	....
1883..	....	....	....	**4.19**	**3.58**	**3.97**	**4.51**	**2.97**	**6.50**	**2.59**	....	....	....
1884..	....	....	....	**4.26**	3.18	4.14	**6.95**	**5.21**	6.56	**0.08**	....	....	....
1885..	....	....	....	....	**6.64**	5.64	5.74	10.19	3.24	3.93	....	....	....
1886..	....	....	....	....	2.00	**11.94**	**8.78**	**4.44**	2.46	0.60	....	....	....
1887..	....	....	....	....	**4.03**	**5.05**	3.45	**4.53**	**1.36**	7.17	....	....	....
1888..	....	....	....	1.68	**9.64**	4.14	2.53	1.52	9.39	3.59	....	....	....
1889..	....	....	....	....	1.45	4.64	6.82	6.16	3.51	1.83	4.00	....	....
1890..	....	....	....	....	7.14	1.89	6.10	4.68	7.50	1.14	T.	....	....
1891..	....	....	....	....	3.01	2.16	7.99	13.96	1.50	1.35	1.55	....	....
1892..	....	....	....	**2.01**	5.52	6.24	6.19	4.40	4.13	0.89	4.45	....	....
1893..	....	....	....	....	2.81	7.57	4.28	11.26	2.55	3.17	1.47	....	....
1894..	1.85	2.91	2.51	1.30	1.63	0.25	8.78	5.07	7.31	4.24	1.56	1.75	39.16
1895..	7.57	4.25	3.66	4.10	5.39	4.45	3.69	6.22	0.76	0.47	1.74	1.80	44.10
1896..	2.76	5.56	2.46	1.41	2.40	7.98	10.74	10.14	1.24	0.50	2.38	4.21	51.78
1897..	2.16	7.24	2.92	1.79	2.73	5.98	4.69	4.72	4.83	2.29	2.20	2.57	44.12
1898..	0.90	1.04	2.63	4.97	2.51	2.40	5.49	11.18	3.81	1.90	5.93	2.39	45.15
1899..	3.29	4.34	2.19	3.40	0.97	4.72	3.79	5.28	2.97	2.21	3.65	1.77	38.58
1900..	2.62	3.99	3.34	3.60	1.50	7.09	6.77	1.46	2.03	5.24	2.18	7.17	46.99
1901..	3.82	2.63	3.24	2.76	5.26	7.33	2.33	4.28	2.21	0.85	1.54	2.81	39.06
1902..	1.36	6.18	2.58	1.67	2.77	4.20	5.50	6.35	2.17	3.02	2.30	5.76	43.86
1903..	3.28	4.99	5.74	2.64	1.35	9.55	2.94	8.64	3.42	3.89	0.45	2.49	49.38
1904..	3.78	3.78	4.20	0.75	0.90	2.38	7.62	6.85	2.06	1.69	1.80	4.85	40.66
1905..	1.20	5.38	2.30	3.11	3.77	2.09	6.66	4.44	3.36	1.48	1.30	3.18	38.27
1906..	5.04	4.19	4.85	2.43	2.40	9.01	9.39	4.35	5.60	5.28	0.90	2.82	56.26
1907..	0.86	2.42	1.05	6.04	2.58	6.11	6.54	8.23	4.72	0.15	2.42	4.82	45.94
1908..	3.42	6.66	5.14	6.02	3.86	6.54	4.10	11.71	4.00	3.73	0.96	2.25	58.39
M'ns	2.93	4.37	3.25	3.06	3.42	5.29	5.82	6.42	3.80	2.57	2.14	3.38	46.45

PINOPOLIS, S. C., Berkeley County. Elevation, 54 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1846..	3.00	2.60	4.49	2.90	5.36	7.77	5.19	6.45	2.63	3.98	0.70	0.76	45.83
1847..	2.30	0.73	3.15	0.57	5.34	5.72	5.33	9.56	0.43	0.65	1.13	0.73	35.64
1848..	0.70	2.27	0.23	2.73	5.85	2.58	5.16	1.95	0.42	3.56	1.51	2.30	29.26
1849..	0.25	0.89	1.21	0.26	2.99	0.92	8.00	5.55	1.03	1.96	0.50	1.37	24.92
1850..	4.00	2.25	6.18	1.82	4.48	1.46	2.30	6.19	3.68	1.95	1.36	3.62	39.29
1851..	3.37	1.69	1.47	3.12	1.10	6.71	7.43	7.04	1.51	1.58	5.76	1.81	42.59
1852..	0.32	0.83	2.83	4.62	5.38	2.68	9.52	4.60	15.93	3.29	3.75	3.83	56.98
1853..	1.07	2.73	3.05	0.78	1.78	1.39	13.32	6.92	9.25	3.30	2.18	3.02	48.80
1854..	4.47	2.70	0.11	1.95	4.63	3.97	6.91	6.95	8.00	1.98	1.29	1.49	44.45
1855..	1.53	1.82	3.69	0.83	7.14	7.60	5.84	3.39	0.38	0.91	1.61	6.22	40.96
1856..	7.30	2.18	7.03	0.80	4.11	8.65	5.37	9.82	0.27	3.08	3.86	5.01	57.48
1857..	3.47	2.03	2.76	2.78	2.06	3.19	10.35	3.73	3.64	1.71	2.58	3.86	42.16
1858..	5.51	7.60	1.59	3.68	3.54	1.10	7.65	4.75	7.92	1.50	3.06	3.32	51.22
1859..	3.57	3.27	5.16	2.13	1.33	5.31	3.84	10.55	2.27	0.44	2.33	3.53	43.73
1860..	0.99	6.41	3.87	4.03	5.50	2.92	5.35	4.68	3.17	3.63	3.16	2.54	46.25
1861..	6.41	4.26	3.07	7.54	4.19	3.29	4.82	6.70	5.19	3.62	3.49	1.32	53.90
1862..	3.75	6.15	4.15	4.47	5.26	5.55	7.65	8.34	4.79	2.42	1.63	1.22	55.38
1863..	0.90	3.65	4.02	1.17	1.17	9.55	11.29	4.06	3.40	3.62	1.49	0.53	44.85
1864..	....	....	5.91	2.64	2.47	5.71	4.86	4.47	2.26	0.97	....	....	....
1865..	....	....	....	....	....	....	....	....	....	....	....	....	....

PINOPOLIS, S. C., Berkeley County. Elevation, 54 feet—continued.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1866..	....	....	....	....	....	....	....	....	....	2.37	2.14	2.87	....
1867..	2.58	4.78	6.83	3.52	3.20	13.85	3.57	8.79	5.07	3.54	0.39	2.52	58.64
1868..	5.89	4.62	2.32	8.93	3.48	14.07	3.35	9.03	1.45	5.09	0.37	4.46	63.56
1869..	3.76	5.04	3.60	1.47	2.75	3.01	5.31	4.69	5.98	3.58	2.19	6.92	48.33
1870..	3.06	4.37	6.31	2.47	5.05	11.06	5.08	6.86	2.08	2.60	3.20	3.34	55.48
1871..	1.20	4.60	4.53	4.17	4.53	8.19	2.15	9.47	6.40	3.87	3.80	2.90	55.81
1872..	1.47	4.68	8.04	1.40	2.55	4.48	7.33	5.25	10.14	2.14	3.51	2.93	54.82
1873..	4.75	2.08	1.88	1.32	10.43	3.11	8.60	6.50	11.24	2.15	3.45	2.58	59.76
1874..	1.95	6.84	3.88	2.52	4.56	7.69	13.89	2.93	9.27	0.91	0.82	2.25	57.51
1875..	7.78	3.01	6.26	2.18	1.53	5.09	2.08	4.36	3.18	3.73	3.09	1.91	44.20
1876..	1.24	2.25	2.83	3.60	3.43	8.85	6.55	2.61	4.71	6.72	0.60	5.43	48.85
1877..	2.38	2.26	6.95	6.11	2.47	6.04	4.62	2.61	6.81	5.28	4.19	3.39	53.14
1878..	4.07	1.96	0.31	5.93	1.65	3.89	5.83	8.1	4.00	1.42	2.44	5.59	45.20
1879..	1.70	2.20	0.86	4.17	3.17	2.13	3.42	6.15	3.19	3.19	2.56	0.75	33.49
1880..	1.50	2.76	3.52	4.47	0.54	6.34	7.70	7.70	2.03	7.09	7.61	2.15	53.41
1881..	5.61	1.50	5.16	4.00	0.66	2.52	3.05	7.08	2.57	1.26	2.19	4.19	39.79
1882..	2.58	1.30	6.21	2.28	2.19	7.05	4.67	6.55	5.68	3.90	2.65	2.85	47.92
1883..	4.01	1.91	4.60	3.68	4.46	5.88	4.31	7.90	3.55	1.45	0.75	3.80	46.30
1884..	4.07	4.31	3.60	3.74	2.87	9.62	4.52	8.10	9.68	0.24	1.57	4.15	56.47
1885..	7.49	2.12	2.10	1.48	5.33	8.35	8.80	7.44	2.34	3.86	0.94	3.91	54.16
1886..	2.71	1.69	2.51	2.54	1.35	8.32	4.46	4.77	1.57	0.22	0.92	3.60	31.66
1887..	4.26	3.13	1.15	2.23	3.91	5.54	7.94	2.99	1.52	6.05	0.94	4.84	44.50
1888..	2.02	5.05	5.23	1.78	13.85	2.15	2.54	6.09	9.28	5.49	3.80	2.26	59.54
1889..	5.30	4.14	4.99	1.68	1.60	5.27	4.64	4.32	4.76	0.88	6.26	0.15	43.99
1890..	1.24	1.24	2.49	1.71	2.93	2.92	5.75	5.43	8.91	3.02	1.57	1.06	38.27
1891..	1.87	1.54	5.02	1.73	4.38	3.29	10.71	28.80	5.30	2.36	2.08	1.42	68.50
1892..	4.51	2.42	4.36	1.31	5.12	4.53	7.94	7.14	6.18	0.87	1.67	1.26	47.31
1893..	2.41	3.60	3.14	1.07	3.44	11.72	4.61	18.88	4.03	7.07	1.63	4.28	65.88
1894..	1.87	4.26	3.49	0.71	3.35	2.42	10.63	9.10	10.74	4.10	4.20	0.65	55.52
1895..	9.27	4.31	5.25	6.07	4.44	2.51	4.46	11.58	0.97	0.42	4.46	1.69	55.43
1896..	2.94	8.70	2.82	1.12	6.07	7.43	6.82	8.08	2.07	1.25	2.63	5.19	55.12
1897..	2.00	9.08	5.20	3.74	1.19	11.75	8.43	6.09	3.31	4.98	1.86	3.05	61.61
1898..	0.57	0.67	2.85	5.43	3.70	10.68	6.13	14.85	3.45	4.52	5.18	4.15	62.28
1899..	3.71	4.12	1.65	2.91	3.72	3.79	3.99	17.94	1.95	5.50	1.78	1.18	52.24
1900..	2.69	2.29	0.96	3.95	2.60	8.28	3.75	2.31	3.78	4.36	2.83	5.72	43.55
1901..	1.20	4.14	2.27	4.16	5.69	11.92	3.93	3.61	2.78	0.86	1.32	2.15	44.03
1902..	1.10	5.57	3.50	1.43	2.35	4.70	3.44	2.59	4.47	4.72	5.09	4.77	43.73
1903..	4.39	5.64	3.71	1.65	5.45	6.83	4.43	9.15	5.46	3.73	2.90	3.41	56.75
1904..	4.19	4.60	4.00	1.01	0.87	2.92	8.15	11.43	0.91	2.84	2.98	1.59	45.49
1905..	1.65	3.98	2.81	3.25	3.97	1.19	5.69	4.82	1.99	1.38	1.57	5.29	37.59
1906..	4.55	1.97	4.44	0.73	1.89	13.30	9.55	4.04	5.16	7.20	0.81	2.60	50.24
1907..	1.10	3.92	2.00	4.37	2.12	4.44	9.68	6.25	9.77	0.55	2.61	4.25	51.09
1908..	4.75	4.65	4.42	7.58	4.95	4.40	6.46	6.03	1.96	2.60	2.00	2.59	52.39
M'ns	3.17	3.47	3.66	2.91	3.76	5.86	6.22	7.13	4.52	2.96	2.48	3.00	49.14

ST. GEORGE, S. C., Dorchester County. Elevation, 109 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882..	....	....	....	1.41	4.01	4.15	6.32	4.56	4.84	3.89	....	....	....
1883..	....	....	....	3.82	4.47	8.63	4.24	5.52	3.07	0.45	....	....	....
1884..	....	....	....	3.66	2.32	3.79	8.52	3.42	5.44	0.00	....	....	....
1885..	....	....	....	....	3.73	4.85	4.47	6.33	2.58	3.79	....	....	....
1886..	....	....	....	....	3.60	7.19	5.15	6.77	1.07	1.02	....	....	....
1887..	....	....	....	....	2.92	3.44	8.56	5.48	1.51	4.10	....	....	....
1888..	....	....	....	1.30	7.11	2.71	4.02	3.11	8.93	5.69	....	....	....
1889..	....	....	....	....	1.05	5.35	6.83	4.66	3.83	0.20	4.00	....	....
1890..	....	....	....	....	6.17	2.34	7.52	2.65	12.03	2.89	0.89	....	....
1891..	....	....	....	....	3.17	2.62	15.32	10.61	4.28	2.60	2.20	....	....
1892..	....	....	....	....	4.35	4.48	7.40	5.08	7.62	0.65	1.80	....	....
1893..	....	....	....	....	2.95	7.88	4.04	20.45	3.00	4.03	1.83	....	....
1894..	**1.50**	**5.00**	**2.65**	1.04	4.18	2.66	10.65	10.43	10.42	2.74	1.32	1.00	53.59
1895..	8.59	3.30	4.29	3.58	5.75	2.82	2.19	7.49	1.86	0.18	1.66	2.02	43.73
1896..	2.65	6.82	2.70	1.41	2.19	10.45	5.95	3.99	2.40	0.55	2.15	6.46	47.72
1897..	1.95	7.64	5.65	2.03	0.88	6.61	8.81	8.80	2.15	2.20	0.92	2.30	49.94
1898..	0.44	0.34	1.95	6.10	0.80	5.46	6.97	7.59	3.00	3.28	6.37	3.55	45.85
1899..	3.58	4.67	2.30	3.88	0.68	4.46	2.66	10.34	3.43	2.00	3.01	1.65	42.66
1900..	2.02	4.64	3.46	3.09	3.12	7.64	4.24	0.85	3.65	3.49	3.32	7.24	47.36
1901..	3.22	1.78	2.66	4.73	5.55	3.91	5.22	7.61	2.16	0.42	0.86	3.47	41.59
1902..	1.16	5.88	3.13	1.90	2.41	5.40	5.57	4.88	4.60	2.69	2.80	6.34	46.76
1903..	4.32	3.07	4.70	1.97	2.17	8.62	3.74	5.93	2.96	2.16	1.75	2.71	44.10
1904..	2.45	4.32	3.84	1.02	0.83	2.86	4.42	6.75	0.93	0.17	1.92	1.00	30.51
1905..	0.30	4.55	1.45	**4.00**	5.84	0.20	3.15	4.15	1.00	0.60	0.00	3.20	28.44
1906..	**4.50**	**3.00**	**2.80**	0.60	2.47	9.30	7.14	5.84	2.70	6.32	1.06	2.22	47.95
1907..	1.23	3.06	0.90	5.50	5.23	4.91	5.99	5.52	8.18	0.44	1.74	4.69	47.39
1908..	2.90	5.30	4.10	7.02	4.67	7.83	3.66	11.13	2.80	1.80	0.90	1.50	53.61
M'ns	2.72	4.22	3.11	3.09	3.43	5.19	6.03	6.66	4.09	2.16	2.00	3.29	45.99

ST. MATTHEWS, S. C., Calhoun County. Elevation, 209 feet.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882..	....	....	....	2.93	1.65	4.43	5.72	4.34	7.00	2.69	....	....	....
1883..	....	....	....	6.14	3.57	4.08	2.76	5.25	5.06	1.90	....	....	....
1884..	....	....	....	4.17	4.74	5.01	4.79	4.10	4.93	0.00	....	....	....
1885..	....	....	....	....	4.51	5.57	8.83	5.75	2.15	4.56	....	....	....
1886..	....	....	....	....	4.96	9.49	6.21	3.36	1.11	0.71	....	....	....
1887..	....	....	....	....	4.04	2.21	6.84	6.78	0.43	6.28	....	....	....
1888..	....	....	....	0.28	10.54	2.21	5.73	5.48	5.84	4.00	....	....	....
1889..	....	....	....	....	3.94	6.07	9.38	3.37	2.59	0.44	2.98	....	....
1890..	....	....	....	....	8.60	3.78	4.42	2.17	7.21	1.39	1.23	....	....
1891..	....	....	....	....	2.14	4.76	4.53	7.61	1.77	1.43	1.84	....	....
1892..	....	....	....	1.30	2.45	3.79	5.18	5.36	4.51	0.81	0.60	....	....
1893..	....	....	....	....	3.25	8.38	3.33	12.48	1.71	3.50	2.37	....	....
1894..	....	....	....	1.43	1.61	3.60	10.20	10.27	6.80	3.15	2.28	....	....

ST. MATTHEWS, S. C., Calhoun County. Elevation, 209 feet—continued.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895..	**7.50**	**4.15**	6.24	6.88	3.43	4.86	6.24	11.58	1.41	1.28	1.96	1.83	57.18
1896..	2.85	6.74	1.40	1.16	2.30	5.49	11.01	3.86	2.10	1.34	1.12	3.38	42.75
1897..	1.79	6.63	3.44	1.81	2.36	5.16	6.15	6.65	5.52	1.96	0.99	1.82	44.28
1898..	1.05	0.88	2.69	5.57	1.63	4.38	7.46	7.66	3.20	2.11	5.17	2.02	43.82
1899..	4.29	7.10	2.23	3.04	1.42	6.59	3.30	6.89	1.88	7.67	2.90	2.16	49.46
1900..	1.97	4.36	3.47	4.62	2.75	7.12	11.29	1.32	1.70	2.96	2.47	6.37	50.40
1901..	4.42	2.88	2.88	4.57	5.77	4.41	3.05	5.60	4.07	0.66	0.70	3.93	42.94
1902..	1.67	7.35	4.51	3.14	3.18	3.76	2.96	6.54	2.55	5.07	3.52	4.35	48.60
1903..	4.61	4.79	3.67	6.02	3.79	18.25	8.07	8.63	3.00	2.95	1.39	2.71	67.88
1904..	3.47	4.81	4.32	1.14	1.46	3.96	4.20	7.67	2.55	0.25	3.01	2.06	38.90
1905..	1.92	7.45	3.85	3.41	8.82	1.38	2.90	4.75	0.93	2.35	1.45	7.56	46.77
1906..	5.73	3.39	3.26	1.07	2.61	14.86	5.38	6.26	5.05	3.13	0.94	3.50	55.18
1907..	0.83	5.33	0.84	5.38	5.44	8.60	6.12	3.03	7.38	0.25	5.43	4.48	53.11
1908..	4.99	7.02	4.20	7.24	3.47	8.00	2.29	6.14	2.35	2.81	1.20	1.03	50.74
M'ns	3.36	5.21	3.36	3.56	3.87	5.93	5.86	6.03	3.51	2.43	2.18	3.37	48.67

ST. STEPHENS, S. C., Berkeley County. Elevation, 73 feet.

1892..	....	....	....	1.47	4.68	6.22	3.99	5.65	6.06	0.87	1.27	1.72	....
1893..	2.82	2.74	3.28	1.14	4.13	10.65	6.48	24.24	4.14	5.00	1.05	3.77	69.44
1894..	2.07	4.60	2.78	1.26	6.48	0.97	12.87	6.40	7.54	6.21	2.97	1.50	55.65
1895..	8.78	4.29	4.58	5.63	5.01	2.84	5.15	8.78	1.02	0.47	2.45	1.93	50.93
1896..	2.74	7.69	2.87	0.51	3.22	9.16	3.42	5.93	1.90	0.64	3.08	4.82	45.98
1897..	2.75	7.67	3.62	2.14	5.17	7.01	9.81	6.35	2.18	3.33	1.49	2.27	53.79
1898..	0.64	0.75	2.66	5.00	2.68	6.54	7.89	14.66	3.47	2.00	5.60	4.15	56.04
1899..	3.80	4.23	1.91	3.86	0.77	4.50	2.46	10.81	2.32	3.34	2.19	1.77	41.96
1900..	2.70	3.61	2.90	3.71	1.81	8.62	4.72	3.83	2.46	3.81	2.21	7.89	48.27
1901..	3.64	3.66	4.17	3.11	6.69	6.62	3.70	7.94	3.70	0.57	1.19	2.39	47.38
1902..	1.65	4.95	3.27	2.77	2.43	5.05	2.26	5.85	6.30	3.95	3.81	5.40	47.69
1903..	3.91	4.64	5.53	1.68	2.50	8.41	4.25	12.83	4.76	4.03	0.96	2.95	56.45
1904..	3.40	4.06	3.50	2.21	1.40	3.29	12.75	10.96	1.96	1.63	2.34	1.39	48.89
1905..	1.02	5.06	2.07	2.30	7.02	4.11	7.89	6.30	1.00	1.26	1.14	5.24	44.41
1906..	4.93	3.22	4.64	1.80	2.49	11.97	7.51	4.23	4.75	4.81	0.90	2.70	53.95
1907..	1.09	2.64	0.95	6.65	3.01	7.02	8.47	10.02	....	....	....	....	....
M'ns	3.06	4.25	3.25	2.83	3.72	6.44	6.48	9.05	3.57	2.79	2.18	3.33	50.95

SMITH MILLS, S. C., Williamsburg County. Elevation, 62 feet.

1896..	3.51	6.15	1.52	2.25	2.66	5.99	7.40	8.46	0.64	1.46	3.32	5.81	49.17
1897..	2.15	8.06	2.54	1.67	3.39	5.61	4.69	6.90	1.64	4.00	1.45	2.92	45.02
1898..	1.00	1.45	3.15	5.61	5.07	5.52	7.16	9.74	5.76	3.04	6.00	3.45	56.95
1899..	3.41	4.10	2.68	5.57	2.30	3.49	7.41	4.13	5.25	4.23	1.87	1.62	46.06
1900..	3.42	4.55	3.30	3.19	3.25	8.12	7.53	2.34	2.77	8.44	4.04	7.14	58.09
1901..	3.88	2.81	5.63	4.08	9.97	6.80	6.65	8.47	3.95	2.70	1.12	4.40	60.46
1902..	1.76	5.55	4.83	2.66	5.65	4.00	3.59	6.92	6.95	3.50	4.70	5.25	55.36
1903..	3.55	3.53	6.17	3.00	2.20	6.09	6.69	8.30	3.04	3.55	0.86	3.48	50.46
1904..	3.15	2.76	5.51	1.14	2.35	7.65	8.20	11.90	9.50	3.90	2.10	2.00	60.16
1905..	2.60	5.53	2.65	4.38	9.50	1.83	3.86	4.25	1.42	3.30	1.00	6.22	46.54
1906..	3.95	6.05	3.98	1.55	2.23	16.13	12.10	7.35	5.79	5.95	2.25	3.00	70.33
1907..	0.25	3.63	0.90	7.80	3.73	4.50	4.49	11.32	7.13	0.24	1.37	3.11	48.47
1908.	2.81	5.78	5.25	4.55	2.74	1.08	6.20	7.38	2.55	1.66	1.71	2.30	44.01
M'ns	2.73	4.61	3.70	3.65	4.23	5.91	6.61	7.50	4.34	3.54	2.60	3.90	53.32

SOCIETY HILL, S. C., Darlington County. Elevation, 192 feet.

1891..	....	....	....	....	....	....	5.13	9.50	3.42	3.08	2.01	0.65	....
1892..	6.92	**5.75**	**2.80**	**1.64**	2.67	5.38	11.28	3.30	3.57	0.33	2.42	3.76	49.82
1893..	2.60	6.75	1.59	0.96	5.80	5.55	6.65	10.20	8.18	4.52	3.16	3.86	59.82
1894..	2.50	4.07	3.09	3.85	2.44	4.99	6.08	12.26	9.56	6.29	0.92	2.49	58.54
1895..	6.83	3.29	6.64	8.67	1.93	4.30	4.60	4.27	0.78	2.71	2.04	3.26	49.32
1896..	2.17	4.52	1.19	0.95	3.88	5.96	7.96	3.07	4.26	1.11	3.91	2.11	41.09
1897..	0.94	8.24	3.38	6.31	2.09	6.86	6.20	2.94	1.05	5.20	0.80	2.10	46.17
1898..	1.78	1.19	4.20	5.99	2.48	4.57	9.27	7.73	3.17	1.58	5.21	1.28	48.45
1899..	4.03	10.21	3.00	2.62	1.00	5.06	4.74	3.55	2.78	8.26	1.89	2.06	49.20
1900..	1.63	6.54	3.20	5.07	1.17	7.02	2.15	4.11	4.35	2.49	3.09	6.25	47.07
1901..	2.76	1.95	3.83	3.63	10.50	6.11	9.61	5.50	7.46	0.20	1.10	5.12	57.77
1902..	2.47	4.93	2.43	3.02	4.20	2.28	3.42	4.87	2.00	2.82	5.27	2.21	39.92
1903..	2.59	8.24	3.37	3.69	1.81	8.58	5.88	7.59	1.77	3.56	0.42	2.08	49.58
1904..	3.07	2.03	2.60	2.13	2.83	8.78	4.94	9.64	6.86	2.06	3.07	2.49	51.40
1905..	2.13	4.78	2.12	4.21	5.86	0.58	7.58	7.84	3.85	2.91	1.33	7.52	50.71
1906..	4.26	2.43	5.23	0.59	1.95	9.97	6.79	5.19	4.03	3.70	0.88	3.79	48.81
1907..	0.44	5.69	2.54	2.66	5.19	7.25	4.08	6.60	5.85	0.48	3.84	3.78	48.40
1908..	5.19	3.60	5.30	3.33	3.79	5.11	9.29	4.18	1.68	5.87	1.34	2.91	51.59
M'ns	3.08	5.01	3.32	3.49	3.51	5.60	6.15	6.24	4.15	3.18	2.37	3.21	49.31

STATEBURG, S. C., Sumter County. Elevation, 500 feet.

1881..	....	....	5.81	3.07	2.13	1.38	1.91	3.73	2.81	1.23	2.68	3.95	....
1882..	2.92	2.05	5.67	3.05	1.24	2.73	4.22	5.74	2.12	3.28	3.90	4.42	41.34
1883..	4.54	1.18	3.34	4.17	3.99	4.14	1.88	2.41	6.11	3.33	2.22	1.26	38.57
1884..	4.43	3.29	3.53	3.66	3.97	4.91	1.70	3.29	6.67	0.02	1.18	5.87	42.52
1885..	6.04	3.37	1.64	1.24	4.34	3.22	5.67	2.70	3.48	3.52	1.45	2.42	39.09
1886..	2.48	1.46	4.40	1.41	3.13	5.35	4.76	2.12	2.05	2.02	0.87	2.56	32.61

STATEBURG, S. C., Sumter County. Elevation, 500 feet—continued.

Year	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	3.50	1.89	0.97	1.81	3.63	2.10	4.90	4.98	0.75	8.15	0.93	3.31	36.92
1888..	2.14	4.08	5.90	0.83	6.68	2.34	4.10	4.22	5.31	3.05	1.76	3.98	44.39
1889..	4.91	5.47	3.27	1.09	3.30	5.10	6.27	7.05	3.23	2.81	2.80	0.75	46.05
1890..	0.90	1.65	3.53	2.73	6.13	2.65	8.34	7.07	3.50	3.35	0.90	1.81	42.56
1891..	2.90	3.07	7.62	1.21	1.85	3.80	7.25	8.78	3.06	1.47	2.01	1.82	44.84
1892..	6.65	4.23	3.88	1.30	2.90	5.91	6.33	1.38	2.88	0.19	1.63	1.76	39.04
1893..	2.76	5.03	1.32	0.65	3.91	7.27	3.43	14.29	2.81	4.68	2.19	3.81	52.15
1894..	2.27	5.86	2.52	1.42	1.46	1.33	8.72	11.85	6.70	4.51	1.02	2.90	50.56
1895..	8.44	3.88	6.01	9.80	4.03	4.90	5.62	4.77	0.83	1.75	1.77	2.71	54.51
1896..	2.57	6.59	1.69	1.09	2.64	4.54	11.15	2.07	2.18	0.74	3.22	3.19	41.67
1897..	2.05	8.39	4.11	4.86	2.08	5.85	5.82	8.06	2.74	5.05	0.94	2.20	52.15
1898..	1.48	1.12	2.71	5.65	1.12	2.65	6.73	8.36	2.58	3.61	5.44	1.47	42.92
1899..	5.04	7.78	3.50	2.89	1.15	6.31	1.93	6.79	2.24	7.37	2.08	2.37	49.45
1900..	1.56	7.46	3.32	6.59	2.46	5.03	2.87	1.83	1.27	2.15	2.51	6.95	44.00
1901..	3.76	2.82	3.75	6.36	9.42	7.75	4.27	5.17	3.36	0.56	1.50	5.31	54.03
1902..	1.23	4.15	3.21	2.92	2.25	4.67	2.11	7.45	3.10	3.83	4.47	2.97	42.36
1903..	2.86	7.28	4.25	2.99	1.67	18.42	3.63	7.52	4.79	3.01	1.55	2.02	59.99
1904..	2.22	3.75	3.80	1.44	3.31	2.49	1.75	9.18	4.30	1.30	3.38	2.32	39.24
1905..	1.63	6.01	2.30	4.22	6.95	0.81	5.78	6.19	2.24	2.52	1.23	7.50	47.38
1906..	4.91	2.41	5.29	0.94	2.75	13.91	9.90	10.90	7.19	6.33	1.44	3.60	69.57
1907..	0.77	5.93	1.79	3.38	5.40	6.30	4.35	7.40	5.28	0.87	4.44	4.08	49.99
1908..	6.09	4.09	4.88	....	....	....	....	....	....	....	....	....	....
M'ns	3.37	4.24	3.85	2.99	3.48	5.03	5.04	5.82	3.46	3.03	2.21	3.23	45.75

SUMMERVILLE, S. C., Dorchester County. Elevation, 75 feet.

1898..	....	....	....	....	....	....	7.17	11.27	3.85	7.66	6.27	3.70	....
1899..	5.11	5.43	2.26	4.51	2.22	5.39	5.60	15.42	3.12	5.24	2.15	1.82	58.27
1900..	3.31	5.58	2.81	6.14	2.51	10.59	4.88	3.29	4.68	5.00	1.99	6.53	57.31
1901..	2.93	3.41	3.00	4.50	4.93	7.64	5.15	7.78	0.91	1.03	0.96	2.36	44.60
1902..	1.24	4.65	3.29	1.19	3.25	2.81	5.40	6.82	5.56	5.13	7.01	4.22	50.57
1903..	4.90	4.31	3.09	2.65	5.78	7.37	3.13	7.59	4.75	3.36	1.91	2.60	51.41
1904..	4.78	4.87	3.97	0.87	2.77	2.97	8.44	8.68	2.81	1.64	3.08	1.64	46.47
1905..	1.55	3.72	3.19	3.95	4.05	2.12	6.84	7.61	3.66	2.16	1.46	6.00	46.31
1906..	4.57	3.00	3.73	1.55	2.37	8.96	13.27	6.26	4.78	6.24	0.70	3.80	59.23
1907..	0.95	2.11	0.93	5.38	2.85	3.70	5.35	7.35	6.39	0.97	2.12	6.60	44.76
1908..	4.18	6.67	4.84	6.54	5.14	5.91	4.89	9.04	2.62	2.95	1.26	1.98	56.00
M'ns	3.35	4.38	3.11	3.73	3.59	5.75	6.37	8.28	3.92	3.76	2.63	3.75	52.62

TRIAL, S. C., Berkeley County. Elevation, 85 feet.

1886..	3.58	2.30	3.27	2.08	4.83	9.04	12.00	7.33	0.80	1.35	1.61	2.80	51.42
1887..	4.81	3.53	1.00	2.33	4.48	3.77	7.00	7.49	2.6	6.45	3.25	4.57	51.28
1888..	2.56	3.51	5.53	2.55	11.23	3.28	4.68	3.70	8.02	4.75	3.31	3.08	58.20
1889..	1.18	5.33	5.33	3.37	1.60	5.23	5.54	8.73	3.28	0.39	4.90	0.25	51.13
1890..	1.18	1.51	2.53	1.76	8.05	3.19	6.16	5.83	7.71	5.25	0.57	1.31	45.05
1891..	2.32	2.45	5.39	1.84	5.66	2.01	6.84	10.83	3.47	2.40	2.49	2.64	48.34
1892..	5.93	2.05	4.33	1.72	8.67	6.87	7.32	3.57	5.24	0.75	2.77	1.60	46.49
1893..	4.20	4.03	3.71	0.89	3.30	10.67	7.75	15.35	3.41	5.49	1.27	2.92	62.99
1894..	2.02	5.17	2.63	0.72	2.91	2.42	8.53	8.11	6.66	3.54	2.15	1.75	46.61
1895..	9.16	4.27	5.86	3.90	4.35	2.06	4.71	10.85	1.85	0.46	1.67	1.40	50.54
1896..	2.96	6.26	3.02	1.00	2.74	5.87	5.86	5.66	1.73	0.81	2.23	5.54	43.68
1897..	2.61	8.68	5.03	2.97	1.67	7.96	7.29	9.48	4.45	2.15	2.47	3.20	57.96
1898..	0.93	0.62	3.13	5.42	6.31	7.16	9.60	15.20	2.99	4.90	6.09	4.97	67.32
1899..	4.65	5.48	2.01	4.30	2.52	5.54	5.14	9.98	2.54	5.40	2.63	2.08	51.67
1900..	2.23	4.09	1.64	3.23	1.77	10.05	5.75	3.65	6.15	4.56	1.76	7.55	52.43
1901..	2.94	3.96	3.26	3.07	6.70	9.78	1.13	3.89	2.57	0.46	1.32	2.43	41.51
1902..	1.35	4.88	3.20	2.30	5.66	4.52	1.89	5.30	3.57	4.31	3.85	3.55	44.38
1903..	5.92	5.57	4.40	2.23	2.04	5.47	4.37	10.99	3.17	2.97	1.02	3.08	51.23
1904..	3.87	3.80	2.34	0.90	1.56	5.13	9.03	6.53	1.75	1.31	2.42	1.58	40.22
1905..	2.42	5.15	2.42	3.89	5.70	3.06	3.54	3.67	1.67	1.44	1.06	4.60	38.62
1906..	4.74	3.79	3.80	1.21	1.72	7.95	8.96	5.21	5.41	4.22	1.24	3.03	51.28
1907..	0.82	3.14	0.98	5.05	7.06	5.33	6.98	8.03	6.98	0.60	2.13	5.17	53.17
1908..	6.07	4.01	4.86	7.15	4.19	5.52	2.60	9.60	1.54	1.69	0.93	2.05	50.21
M'ns	3.67	4.07	3.46	2.78	4.55	5.73	6.20	7.82	3.81	2.94	2.28	3.09	50.40

WALTERBORO, S. C., Colleton County. Elevation, 69 feet.

1903..	**4.05**	**2.00**	**4.40**	**1.70**	3.74	7.14	5.82	7.17	7.42	2.78	2.15	2.40	50.77
1904..	3.83	5.35	5.38	0.94	1.21	2.49	8.13	11.22	4.04	1.54	2.54	1.44	48.11
1905..	1.59	3.83	2.96	3.75	6.41	1.71	5.85	3.13	3.43	1.86	1.62	4.76	40.90
1906..	5.70	3.26	3.89	1.50	5.07	12.42	11.65	4.02	2.68	4.16	0.73	2.95	58.03
1907..	0.94	2.55	1.24	4.08	4.21	5.84	5.91	6.18	7.39	0.85	1.55	7.21	47.95
1908..	4.50	6.79	4.02	6.67	3.39	9.10	3.23	9.62	2.40	1.41	1.40	1.87	54.40
M'ns	3.44	3.96	3.65	3.11	4.00	6.45	6.76	6.89	4.56	2.10	1.66	3.44	50.02

YEMASSEE, S. C., Hampton County. Elevation, 22 feet.

1882..	....	....	....	3.24	1.39	3.52	6.94	6.77	2.64	....	....	....	....
1883..	....	....	....	1.52	7.82	3.99	2.52	11.17	2.80	0.57	....	....	....
1884..	....	....	....	5.18	4.68	5.55	6.88	6.61	6.01	0.22	....	....	....
1885..	....	....	....	....	5.67	6.20	8.74	14.72	7.37	4.35	....	....	....
1886..	....	....	....	....	1.33	14.49	4.22	....	3.75	....	....	....	....

YEMASSEE, S. C., Hampton County. Elevatson 23 feet—continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887	....	....	....	....	4.41	2.19	12.03	5.24	0.65	3.70	....	....	....
1888	to 1894	....	....	....	....	....	....	....	....	....	....	....	....
1895	....	....	....	....	....	....	....	3.82	1.97	0.26	2.61	2.03	....
1896	2.18	5.19	2.96	0.19	2.37	5.11	5.96	6.83	1.77	1.47	1.83	5.91	41.79
1897	1.16	10.20	5.06	2.15	1.07	5.57	7.57	5.25	3.37	4.54	0.27	2.64	48.85
1898	0.19	0.90	1.54	7.29	1.33	3.03	6.80	10.35	7.93	1.98	5.93	4.81	52.08
1899	4.44	6.01	2.38	2.07	2.78	5.04	5.28	7.55	1.19	6.13	2.27	1.02	46.16
1900	2.89	1.86	4.10	3.26	3.87	5.46	4.61	5.55	3.53	2.86	2.31	6.00	46.30
1901	2.86	2.58	2.27	3.45	3.56	9.34	4.64	5.11	1.36	0.89	0.83	1.49	38.38
1902	0.42	2.38	3.93	1.27	2.04	2.61	9.62	7.49	6.29	4.05	2.08	5.62	47.80
1903	3.78	3.14	4.97	1.90	4.50	10.86	5.68	10.58	9.43	2.19	2.91	2.26	62.20
1904	4.65	4.77	3.26	0.93	1.94	2.53	8.81	7.53	1.86	1.07	3.02	1.23	41.65
1905	1.83	3.90	3.76	3.75	6.70	3.20	6.09	4.77	3.89	2.80	1.61	5.43	47.73
1906	5.93	3.07	4.17	1.20	4.63	12.64	9.90	4.25	3.46	5.19	0.53	2.99	57.96
1907	1.37	2.10	0.80	4.05	4.70	6.32	8.94	5.02	9.35	2.10	1.61	7.74	54.10
1908	3.67	6.66	4.30	5.70	5.45	5.16	5.14	3.16	3.55	4.48	1.02	1.45	52.74
M'ns	2.72	4.06	3.35	2.95	3.70	6.10	6.60	6.94	4.11	2.71	2.06	3.62	48.92

Mean temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Beaufort	20	50.4	51.6	59.4	65.2	73.9	79.7	81.6	80.8	77.4	67.5	59.1	52.0	66.5
Blackville	18	46.1	46.1	58.3	63.3	73.4	79.7	81.7	80.5	75.6	68.2	55.5	47.0	64.6
Charleston	38	49.3	51.7	57.2	63.8	72.4	78.5	81.3	80.3	76.2	67.1	58.1	51.3	65.6
Cheraw	20	42.5	44.3	54.1	60.7	70.7	77.4	80.0	78.7	73.3	60.9	52.1	44.1	61.6
Conway	10	47.0	45.4	57.3	61.7	70.7	75.9	79.8	79.1	74.7	62.9	54.1	48.1	63.1
Florence	18	43.3	45.1	55.3	61.1	72.6	78.6	81.4	80.3	74.6	63.0	54.3	44.0	62.8
Georgetown	14	47.5	47.8	58.5	63.0	72.2	78.5	80.6	80.3	75.8	64.9	56.0	49.2	64.5
Stateburg	27	45.6	48.1	55.3	62.5	71.3	77.1	79.3	78.0	74.2	63.6	54.3	47.5	63.1
Summerville	10	47.7	47.5	59.3	62.5	71.8	76.8	79.8	79.1	75.0	64.5	55.7	48.4	64.0
Trial	20	47.0	47.6	56.3	61.4	71.7	76.7	79.1	77.8	73.5	62.0	55.4	48.2	63.0
Yemassee	13	47.5	48.1	59.3	63.0	73.4	79.1	81.6	80.5	75.8	64.6	55.9	47.8	64.6

Highest temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Beaufort	20	77	80	93	89	98	103	104	103	98	90	86	80	104
Blackville	18	80	79	99	95	102	103	105	104	100	95	89	89	105
Charleston	38	80	80	94	90	98	100	104	100	95	93	83	78	104
Cheraw	20	80	82	93	94	103	104	104	103	101	90	90	78	104
Conway	10	89	79	96	91	97	100	104	100	95	88	84	79	104
Florence	18	80	86	98	94	100	103	107	100	99	90	90	79	107
Georgetown	18	76	79	92	92	102	103	102	99	96	90	86	80	103
Stateburg	27	82	80	95	91	101	100	104	105	99	89	84	77	105
Summerville	10	80	80	98	92	98	99	101	90	95	88	85	80	101
Trial	20	82	82	95	92	97	99	103	101	101	91	92	85	103
Yemassee	13	78	81	92	93	102	104	104	104	101	90	84	77	104

Lowest temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Beaufort	20	18	7	26	32	49	53	63	61	53	38	24	13	7
Blackville	18	12	— 3	19	29	38	42	57	54	42	30	19	14	— 3
Charleston	38	10	7	24	32	46	51	64	62	49	39	23	10	7
Cheraw	20	3	— 9	16	28	36	41	51	52	35	27	14	8	— 9
Conway	10	0	17	23	27	39	45	59	51	49	29	15	14	0
Florence	18	9	— 1	20	26	38	43	59	54	30	30	17	16	— 1
Georgetown	14	15	4	21	30	42	52	60	59	49	35	25	10	4
Stateburg	27	12	3	20	30	41	53	59	57	42	33	21	6	3
Summerville	10	14	0	22	28	40	53	58	63	48	30	17	16	0
Trial	20	9	— 3	13	26	38	43	54	56	39	29	13	10	— 3
Yemassee	13	14	4	21	28	40	53	59	55	43	34	19	16	4

Frost data.

Stations.	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
	Yrs.				
Beaufort	20	Nov. 23	Mar. 9	Nov. 7	Apr. 5
Blackville	18	Nov. 16	Mar. 19	Oct. 24	Apr. 15
Charleston	38	Dec. 2	Mar. 1	Nov. 9	Apr. 2
Cheraw	20	Nov. 1	Apr. 5	Oct. 12	Apr. 24
Conway	10	Nov. 13	Mar. 26	Oct. 27	Apr. 21
Florence	18	Nov. 7	Mar. 31	Oct. 12	Apr. 24
Georgetown	14	Nov. 13	Mar. 19	Oct. 22	Apr. 16
Stateburg	27	Nov. 9	Apr. 2	Oct. 11	Apr. 28
Summerville	10	Nov. 17	Mar. 20	Nov. 1	Apr. 17
Trial	20	Nov. 4	Apr. 4	Oct. 10	Apr. 28
Yemassee	13	Nov. 11	Mar. 25	Oct. 11	Apr. 17

Auerage number of days with .01 inch or more of precipitation.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Beaufort	22	8	9	8	7	8	11	12	12	7	6	6	8	102
Blackville	20	9	10	10	9	9	12	12	12	7	6	5	9	111
Charleston	38	10	10	10	8	9	11	12	13	10	8	8	9	118
Cheraw	18	8	10	9	8	9	11	13	13	7	6	6	8	108
Conway	18	7	8	7	6	8	9	11	11	6	5	5	6	89
Florence	18	7	7	6	9	9	11	13	12	7	6	5	6	98
Georgetown	14	5	6	5	4	6	7	8	8	3	3	3	6	64
Stateburg	28	9	9	10	8	9	12	13	14	8	7	7	8	114
Summerville	10	11	10	9	8	11	10	16	16	9	8	6	11	125
Trial	23	8	8	8	7	9	12	13	13	8	6	5	6	103
Yemassee	13	8	9	8	8	9	10	13	12	7	6	5	8	103

Prevailing wind direction.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs.													
Beaufort	20	nw.	ne.	s.	s.	s.	s.	s.	s.	ne.	ne.	ne.	nw.	s.
Blackville	18	ne.	nw.	ne.	sw.	ne.	sw.	sw.	sw.	ne.	ne.	ne.	nw.	ne.
Charleston	38	n.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	ne.	ne.	ne.	n.	sw.
Cheraw	20	n.	n.	n.	n.	s.	sw.	s.	s.	ne.	n.	n.	n.	n.
Conway	15	n.	n.	w.	sw.	s.	sw.	s.	s.	e.	n.	n.	n.	n.
Florence	18	sw.	ne.	s.	sw.	sw.	ne.	sw.	sw.	ne.	n.	ne.	n.	sw.
Georgetown	14	ne.	ne.	sw.	sw.	sw.	sw.	sw.	sw.	ne.	ne.	sw.	nw.	sw.
Stateburg	27	sw.	e.	sw.	sw.	sw.	sw.	sw.	sw.	e.	e.	e.	e.	sw.
Summerville	10	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	ne.	ne.	sw.	sw.	sw.
Trial	20	nw.	nw.	sw.	sw.	sw.	ne.	sw.	w.	ne.	ne.	nw.	nw.	sw.

Average hourly wind movement (in miles).

Station.	Length of record.	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Charleston	Yrs 38	9	12	11	12	11	10	10	9	9	9	9	9	10

Mean relative humidity.

Stations.		Length of record.	January.	February.	March.	April.	May.	June.	July.	August	September.	October.	November.	December.	Annual.
		Yrs.													
Charleston	8 a. m.	38	81	78	79	76	77	78	79	82	83	79	80	80	79
	8 p. m.	38	77	76	75	75	77	79	80	81	80	76	77	79	78

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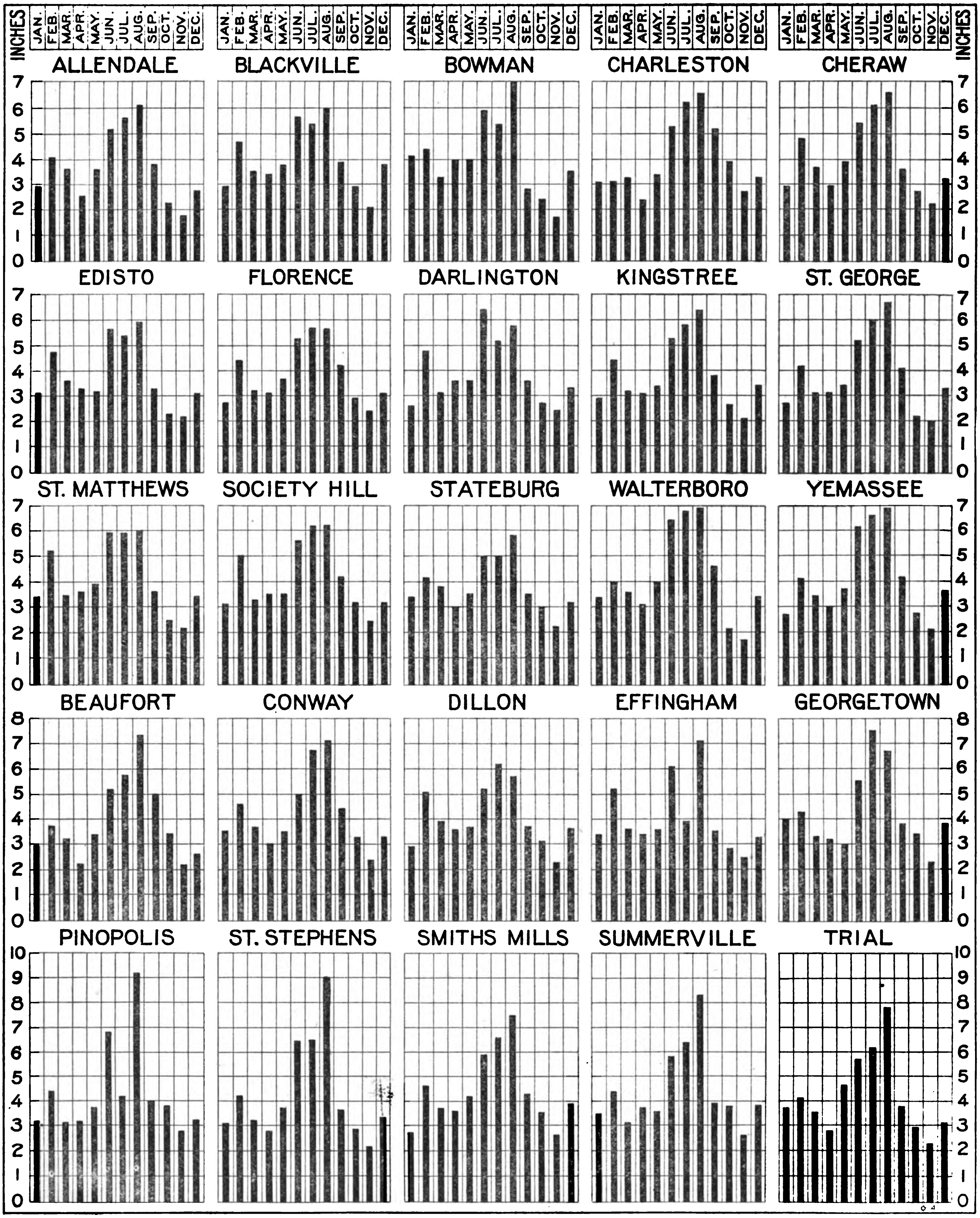
INCHES
JAN. FEB. MAR. APR. MAY. JUN. JUL. AUG. SEP. OCT. NOV. DEC.
ALLENDALE
BLACKVILLE
BOWMAN
CHARLESTON
CHERAW
EDISTO
FLORENCE
DARLINGTON
KINGSTREE
ST. GEORGE
ST. MATTHEWS
SOCIETY HILL
STATEBURG
WALTERBORO
YEMASSEE
BEAUFORT
CONWAY
DILLON
EFFINGHAM
GEORGETOWN
PINOPOLIS
ST. STEPHENS
SMITHS MILLS
SUMMERVILLE
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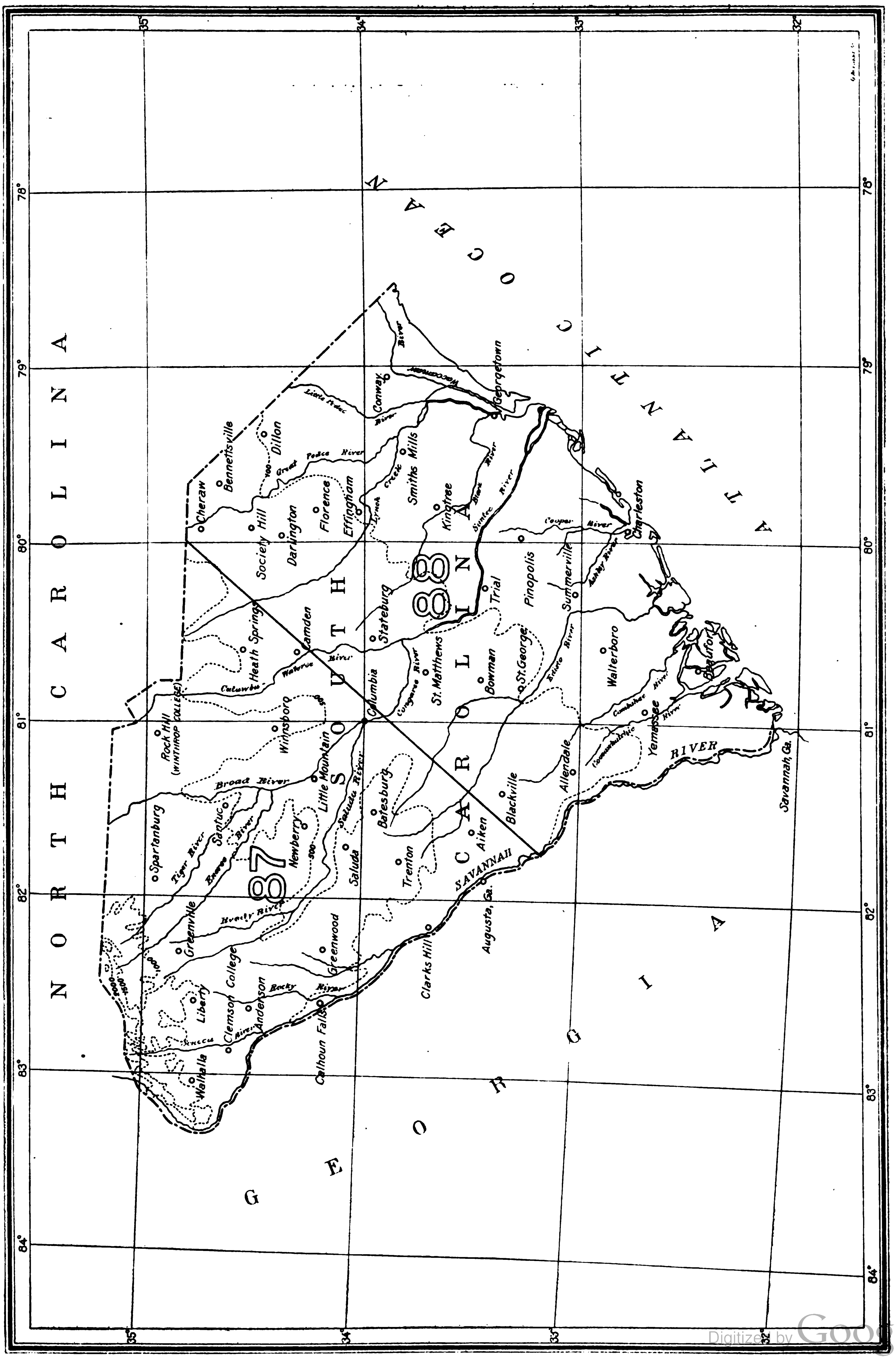
NORTH CAROLINA
SOUTH CAROLINA
GEORGIA
ATLANTIC OCEAN
87
88
Cheraw
Bennettsville
Dillon
Conway
Georgetown
Society Hill
Darlington
Florence
Effingham
Smiths Mills
Kingtree
Charleston
Summerville
Pinopolis
Trial
Stateburg
Camden
Heath Springs
Columbia
St. Matthews
Bowman
St. George
Walterboro
Beaufort
Yemassee
Savannah, Ga.
Allendale
Blackville
Aiken
Batesburg
Trenton
Augusta, Ga.
Clarks Hill
Rock Hill (WINTHROP COLLEGE)
Winnsboro
Little Mountain
Saluda
Newberry
Santuc
Spartanburg
Greenville
Greenwood
Liberty
Clemson College
Anderson
Walhalla
Calhoun Falls
Broad River
Tiger River
Enoree River
Saluda River
Reedy River
Rocky River
Seneca River
Catawba
Wateree River
Congaree River
Edisto River
Combahee River
Coosawhatchie
Cooper River
Ashley River
Santee River
Black River
Lynch Creek
Great Pedee River
Little Pedee
Waccamaw
SAVANNAH RIVER
35°
34°
33°
32°
78°
79°
80°
81°
82°
83°
84°
500
1000
1500
2000

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 89.—WEST-CENTRAL NORTH CAROLINA.

INTRODUCTORY REMARKS.

Climatological data for North Carolina will be given in three bulletins. Each bulletin will treat of a section of the United States and the sections will be numbered, 89, 90, and 91. A small portion in the extreme western part of the state will be considered in section No. 78.

North Carolina in common with the other states in the southeastern portion of the country is naturally divided into three divisions; the coastal plain, Piedmont plateau region, and the Appalachian Mountain region.

The coastal plain extends from the Atlantic Ocean inland to the fall line which is the name given to the division of the plain and hill country. The plain is built up of unconsolidated sands, gravels, loams, clays, and marls of recent geologic age. The river courses in this region are exceedingly tortuous and sluggish and generally navigable to the fall line where they are very narrow with steeply sloping sides. On the east side of the fall line the rivers have wide beds and are less deep, and enter the ocean as broad estuaries. The plain is remarkably smooth and slopes gently to the sea at the rate of one foot per mile. The plain is but little eroded, and a large portion is poorly drained. There are, however, portions near the fall line which are moderately hilly.

The Piedmont plateau lies between the coastal plain and the mountains, and has characteristics common to both near their borders. On the whole it consists of a rolling plateau. Soils have been formed from the decay of the native rock and are generally loams. Geologically this region is much older than the coastal plain. Its surface has been eroded to the sea level and raised again several times; the streams have quickened their pace and have carved their way through belts of slate, granites and gneisses, forming rapids, cascades and falls, making practicable the development of valuable waterpowers.

The Appalachian Mountain region may be said to have attained its maximum development in North Carolina where a number of peaks are over 6000 feet above sea level. The Appalachians divide in southwestern Virginia forming two main ranges in North Carolina, the Blue Ridge and the Great Smoky Mountains. The latter are also known by other names. The Blue Ridge, however, forms the dividing line of those streams which flow into the Atlantic Ocean and those which flow into the Gulf of Mexico. Between these two ranges are numerous cross ranges. The mountain slopes are steep and have a deep fertile soil, usually a loam.

SECTION 89.

Section 89 lies in general on the eastern flank of the Blue Ridge Mountains, extending as far eastward as the Yadkin River. The greater portion, therefore, is in the Piedmont plateau region, while a small portion along the western border of the section is in the mountain region. The land is rolling with the lowest elevations about 400 feet in the southeast corner, but much higher elevations are reached as one travels westward, and some mountains in the western border of this section reach elevations of 5000 feet and over. The principal mountains are the Blue Ridge extending in a general northeast and southwest direction. There are a few cross ranges stretching to the east into the Piedmont region. The mountain slopes are heavily wooded and covered with a deep, fertile, loamy soil which is very easily cultivated. The soils of the Piedmont region are generally loams and quite fertile.

The natural resources of this section are its fertile soil, capacity for development of waterpower, forests, vast amount of excellent building stone, gems, mines of precious and base metals, and admirable climate. The population is very evenly distributed throughout this section. The principal occupations are raising live stock, agriculture, together with mining in the mountain district. The principal agricultural products are grain, fruit, and vegetables in the mountains, and tobacco, cotton, and grain in the Piedmont.

The rivers of this section, namely the Yadkin, Catawba, and Broad with their tributaries, flow in a southeasterly direction and reach the Atlantic Ocean through South Carolina.

The climate is especially favorable to industrial enterprises, the mean temperature averaging about 58°. The annual mean temperature ranges from 53.1° at Patterson to 59.9° at Salisbury. January is usually the coldest month, but at a few stations February is the coldest. The coldest on record is 16° below zero at Mount Pleasant, and practically every station has a record of temperatures below zero. The lowest monthly mean temperature is 36.2° for February at Brewers, N. C. The warmest month is July, and the highest mean ever recorded is 79° at Salisbury. The highest temperature ever recorded is 103° at Marion in August and at Monroe in July, and nearly all stations have records of 100° or nearly that for all of the summer months.

The average date of first killing frost varies from October 11th at Brewers to November 4th at Charlotte, while the earliest date on which killing frost ever occurred in autumn was September 30th at Mt. Pleasant. The average date of last killing frost in spring varies from April 9th at Salisbury to May 1st at Statesville, while the latest date on which killing frost ever occurred in spring was May 15th at Salisbury.

The mean annual precipitation of this section is 52.00 inches, and is fairly well distributed throughout the year. The season of heaviest precipitation is summer, with about 17 inches: while the least is autumn, with about 10 inches. The precipitation for winter and spring is nearly the same, about 12 inches. August is usually the wettest month, and November the driest. The distribution of rainfall over this section varies somewhat. Near the mountains or western portion of the section, the rainfall is more than in the eastern portion, and ranges from 56.78 inches annually at Marion to 45.86 inches at Salisbury.

The snowfall is very unimportant, rarely remaining on the ground more than a week, and usually falling one day and disappearing the next.

The average number of rainy days is 100 a year, the greatest number occurring in July and August, and the least in October and November.

A small table is given with the average hourly wind velocity, wind direction, and mean relative humidity at 8 a. m. and 8 p. m.

Monthly, annual, and average amounts of precipitation (in inches and hundredths).

[Figures in black approximate.]

BREWERS, WILKES COUNTY; ELEVATION 1,950 FEET.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1897.	**2.80**	**6.20**	**7.10**	4.20	3.30	6.32	3.93	3.76	1.18	6.52	2.82	3.26	51.49
1898.	3.02	0.80	4.14	2.68	2.95	2.25	8.43	10.01	8.32	8.13	3.19	4.40	58.32
1899.	4.32	6.97	10.06	3.95	2.76	4.85	3.99	2.17	6.27	2.07	1.27	2.62	51.30
1900.	3.35	7.50	4.92	4.89	2.93	9.28	7.43	4.14	5.46	8.73	5.15	3.35	67.13
1901.	3.29	1.48	6.22	9.21	11.84	9.61	5.81	15.29	4.87	2.04	1.22	11.05	81.93
1902.	2.37	5.27	4.74	1.98	3.90	7.87	1.15	3.13	6.96	4.68	3.62	5.22	50.89
1903.	5.63	7.67	9.91	5.95	1.70	8.28	2.59	5.11	2.62	3.63	1.83	1.55	56.49
1904.	2.50	2.95	3.39	1.57	5.86	8.70	5.18	5.13	1.20	0.03	3.60	3.26	43.37
1905.	3.03	4.75	2.27	4.63	5.23	3.72	9.48	9.90	0.99	3.09	0.38	**7.80**	55.07
1906.	6.82	1.38	6.01	1.81	1.82	9.89	9.99	11.60	5.46	5.14	4.93	3.86	68.71
1907.	0.42	2.29	2.33	4.82	2.87	11.27	4.10	3.37	9.23	1.04	4.32	5.38	51.44
1908.	4.53	7.71	4.50	5.12	**3.70**	5.55	5.10	5.28	2.37	6.03	1.13	4.31	55.33
M'ns	3.52	4.58	5.47	4.23	4.07	7.30	5.60	6.58	4.57	4.26	2.79	4.66	57.63

CAROLEEN, RUTHERFORD COUNTY; ELEVATION 806 FEET.

1900.	3.09	10.69	5.29	6.77	2.92	6.99	2.79	1.45	1.05	4.15	5.27	5.10	55.56
1901.	2.65	2.21	5.10	8.45	9.00	10.62	4.86	14.20	7.21	1.18	0.95	8.94	75.37
1902.	1.97	8.19	5.45	1.80	3.22	5.25	2.90	2.23	5.93	3.34	3.20	4.45	47.93
1903.	5.45	10.04	9.18	4.10	1.14	10.90	0.21	3.53	2.02	1.10	2.44	1.41	51.52
1904.	2.08	3.75	3.80	1.13	3.00	4.84	4.00	7.74	0.82	0.07	4.10	3.51	38.84
1905.	3.49	6.13	1.13	2.29	4.89	1.36	6.79	7.30	2.05	2.08	0.73	8.56	46.80
1906.	8.52	0.47	6.22	2.35	1.87	5.81	7.43	12.64	6.04	2.80	0.85	4.15	59.15
1907.	0.05	2.34	2.40	2.93	5.19	9.48	2.90	5.22	6.74	1.02	5.81	7.22	51.30
1908.	5.20	8.02	4.10	4.21	2.79	4.39	10.14	13.51	1.78	6.93	2.17	5.34	68.58
M'ns	3.61	5.76	4.74	3.78	3.78	6.63	4.67	7.54	3.74	2.52	2.84	5.41	55.02

CHARLOTTE, MECKLENBURG COUNTY; ELEVATION 773 FEET.

1871.	......	......	......	......	......	......	......	......	......	......	......	3.00	......
1872	0.80	5.97	6.28	1.92	2.02	4.66	1.87	7.80	3.97	2.00	3.67	3.70	44.66
1873.	5.36	1.03	1.90	1.97	7.74	3.11	2.70	8.99	4.23	0.82	4.79	2.26	51.95
1874.	4.07	4.88	2.95	8.20	1.42	4.00	6.32	2.19	7.46	2.96	2.10	......	......
1875.	4.71	3.81	3.81	10.60	5.32	2.64	2.93	......	......	......	......	......	......
*													
1878.	......	......	......	......	......	......	......	......	......	3.12	5.11	6.55	......
1879.	3.62	3.62	2.03	2.41	3.97	2.66	8.64	7.89	0.53	1.92	1.79	5.26	44.34
1880.	2.43	3.10	9.57	5.64	1.15	4.36	5.92	10.57	1.84	2.94	5.96	6.42	59.90
1881.	6.81	3.95	3.77	3.61	2.26	1.35	1.83	1.15	2.66	2.69	4.58	4.77	39.33
1882.	7.24	5.35	2.88	5.93	3.22	1.98	5.39	4.34	4.58	6.13	1.58	4.91	53.53
1883.	8.87	5.47	6.54	6.05	1.39	5.45	5.23	2.00	4.00	4.31	4.65	3.13	57.09
1884.	7.60	6.43	9.19	5.40	4.84	9.47	7.90	2.08	3.57	1.51	4.73	5.72	68.44
1885.	8.90	4.54	2.91	2.83	6.47	3.48	6.31	4.01	3.45	6.64	4.10	4.71	58.35
1886.	4.94	2.76	6.39	3.88	11.04	11.04	8.05	6.34	0.68	0.34	2.88	6.26	64.60
1887.	2.39	4.81	2.93	1.84	3.64	4.44	7.46	9.02	1.24	8.04	0.51	4.94	51.26
1888.	4.38	4.26	6.22	2.36	5.64	1.66	1.68	6.93	8.25	5.87	1.69	3.67	52.61
1889.	6.15	4.59	1.62	2.60	2.75	10.54	8.17	4.53	2.88	1.53	4.44	0.48	50.28
1890.	0.94	3.65	3.08	2.34	7.07	0.52	6.07	5.35	5.54	4.89	0.23	3.81	43.49
1891.	3.92	6.95	11.13	2.79	7.58	3.77	3.79	6.82	0.76	0.68	3.05	1.26	52.50
1892.	7.66	3.36	4.05	3.50	2.28	5.51	5.89	2.31	2.27	0.23	2.99	2.68	42.73
1893.	2.43	7.46	1.74	1.64	4.23	5.48	4.22	9.81	6.99	8.27	2.44	1.62	56.33
1894.	3.23	4.54	1.04	2.43	2.27	3.68	4.99	3.05	5.60	6.12	1.71	4.30	42.94
1895.	5.84	1.87	5.52	5.00	4.05	2.70	2.94	4.41	0.33	0.79	2.39	3.32	39.16
1896.	2.26	5.40	1.55	1.90	1.68	3.35	6.38	1.05	4.69	0.98	5.67	1.87	34.78
1897.	2.53	5.44	6.81	3.94	3.72	3.63	5.08	3.92	0.90	1.39	3.11	2.52	42.39
1898.	2.08	0.81	5.83	2.71	2.08	3.79	4.82	8.74	4.04	3.63	2.42	2.12	43.07
1899.	4.31	7.91	5.49	2.57	2.28	1.68	5.96	4.98	2.02	4.01	1.91	2.38	45.44
1900.	2.15	5.25	5.28	5.32	2.11	7.31	3.55	3.05	0.73	3.41	3.85	4.33	46.34
1901.	2.38	1.96	5.48	7.25	8.00	6.47	6.38	10.66	6.43	1.04	0.98	5.79	62.82
1902.	2.42	6.07	3.54	1.68	3.39	4.07	4.58	3.74	3.48	4.49	4.44	3.42	45.32
1903.	3.10	6.02	5.77	3.28	0.53	5.35	1.89	4.55	3.29	2.53	1.43	1.75	39.49
1904.	1.38	3.42	2.60	0.89	2.15	6.42	6.20	10.31	1.78	0.91	3.01	2.86	41.93
1905.	2.11	5.38	0.95	2.72	6.08	0.59	5.77	8.67	2.34	0.70	0.57	6.56	42.44
1906.	6.34	1.65	5.17	0.93	3.66	4.83	5.57	8.56	2.40	4.17	1.07	3.31	47.66
1907.	0.51	3.24	2.09	2.57	4.07	4.19	5.30	1.84	3.76	0.81	4.61	6.09	39.98
1908.	6.18	3.75	4.27	1.29	2.20	2.65	5.62	14.61	1.50	6.58	1.69	4.06	54.40
M'ns	4.06	4.37	4.41	3.53	3.89	4.32	5.16	5.89	3.28	3.13	2.89	3.84	48.83

* No record for missing years.

LENOIR, CALDWELL COUNTY; ELEVATION 1,186 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1871.	......	......	......	......	......	......	......	2.25	0.40	3.50	......	......	......
1872.	1.60	4.55	4.10	2.80	4.10	4.20	3.70	4.90	3.80	2.20	3.40	4.40	43.75
1873.	7.20	9.00	2.75	2.35	11.50	3.70	5.80	8.70	2.90	1.60	3.40	2.30	61.20
1874.	4.60	5.90	2.05	7.80	6.00	4.20	6.30	3.70	7.90	1.75	3.90	1.60	55.70
1875.	3.40	6.75	10.20	3.70	1.94	6.00	4.70	7.50	4.50	0.90	2.30	5.40	57.29
1876.	1.90	3.40	6.00	1.30	5.00	5.00	5.00	**3.50**	**5.29**	2.00	2.70	3.20	44.29
1877.	3.70	0.60	4.70	3.80	1.90	2.30	5.41	2.10	4.40	7.40	7.60	8.70	52.61
1878.	9.60	4.80	2.80	4.80	4.10	4.10	3.10	9.00	8.50	2.00	4.30	4.65	61.75
1879.	4.30	1.85	0.50	3.50	5.80	3.70	1.80	8.50	1.50	8.40	0.80	5.70	46.35
1880.	2.60	3.45	6.30	5.20	3.10	2.00	4.70	6.60	2.00	1.50	0.50	3.62	41.57
1881.	4.50	6.30	2.60	2.10	1.60	0.90	1.90	3.20	5.10	4.80	6.10	5.30	44.40
1882.	6.00	4.40	5.90	2.70	3.10	2.30	**6.80**	7.70	8.40	2.50	0.50	3.80	54.20
1883.	5.00	2.50	1.90	7.40	1.60	3.30	3.70	6.00	6.50	4.60	3.40	1.60	47.50
1884.	3.50	4.90	9.40	4.50	2.40	10.30	1.70	3.30	0.60	1.00	1.00	8.10	50.80
1885.	4.90	3.30	1.70	1.30	10.10	3.80	6.70	3.20	3.30	9.50	5.20	3.20	56.20
1886.	7.40	1.90	3.40	3.50	6.20	8.00	9.10	10.20	2.70	1.00	5.90	**4.70**	64.00
1887.	4.60	4.70	3.52	3.80	4.00	5.00	5.70	7.50	3.40	4.10	0.90	3.80	50.02
1888.	1.90	4.60	4.73	2.30	10.00	1.90	2.60	3.80	10.80	5.10	5.10	2.70	55.53
1889.	3.50	2.40	1.40	2.20	6.60	5.90	9.00	4.20	5.30	0.70	6.40	0.50	48.10
1890.	1.10	5.70	3.30	3.40	4.70	2.80	7.20	9.80	7.20	4.40	0	2.60	52.20
1891.	5.60	6.60	8.30	3.20	5.10	3.20	7.30	5.90	3.10	0.80	4.50	4.00	57.60
1892.	5.40	2.10	2.90	3.10	4.40	8.20	4.90	2.40	5.90	T.	3.30	1.50	44.10
1893.	2.31	5.20	1.10	2.50	5.90	3.50	3.20	7.50	9.00	8.30	2.20	1.20	51.91
1894.	2.61	5.66	1.16	1.99	3.53	3.95	4.97	4.50	3.66	5.38	0.64	6.21	44.26
1895.	6.07	2.00	4.52	5.85	5.13	1.69	5.65	7.41	1.56	1.11	2.22	3.85	47.06
1896.	2.32	4.73	2.87	2.69	2.80	2.70	7.83	3.34	5.74	1.01	6.61	1.80	44.44
1897.	2.83	8.35	5.97	5.17	2.70	5.14	2.69	3.96	2.14	5.31	2.43	3.26	49.95
1898.	3.21	0.76	4.65	2.33	5.02	3.20	9.39	5.26	8.00	7.67	3.32	4.52	57.33
1899.	3.94	7.26	11.84	4.19	3.07	4.52	3.00	5.71	3.15	1.62	0.24	**4.00**	52.54
1900.	......	......	......	......	......	......	......	......	......	......	4.48	5.06	......
1901.	3.70	1.70	6.84	9.59	10.39	11.67	......	21.78	3.86	0.90	0.72	8.43	......
1902.	2.80	6.66	4.23	1.73	2.33	6.00	......	0.90	4.17	4.82	4.11	......	......
1903.	5.06	8.80	11.15	5.36	0.74	9.03	4.16	4.87	2.49	3.10	3.06	1.87	59.69
1904.	1.61	2.60	4.20	1.31	5.11	3.74	**6.40**	7.12	**1.80**	T.	**3.20**	4.20	41.39
1905.	3.50	4.18	2.08	2.06	6.57	**4.00**	**10.00**	3.34	1.00	3.00	0	7.95	47.68
1906.	8.50	0.36	**5.70**	1.24	2.36	**8.40**	**8.10**	7.83	7.19	3.02	2.75	2.90	58.35
1907.	0.40	2.95	2.08	3.85	**4.40**	**8.00**	**6.00**	2.03	5.48	0.70	**4.00**	4.90	44.79
1908.	3.37	3.35	2.58	3.70	2.65	3.48	8.53	**8.50**	**1.80**	7.19	0.94	4.11	50.20
M'ns	4.01	4.29	4.43	3.56	4.58	4.72	5.50	5.89	4.40	3.32	3.03	4.05	51.78

MARION, McDOWELL COUNTY; ELEVATION 1,425 FEET.

1888.	......	......	......	0.67	12.67	4.70	1.50	......	......	......	......	......	......
1889.	......	......	......	......	......	......	......	......	......	......	3.47	1.68	......
1890.	**2.10**	**6.00**	**4.10**	**2.80**	**4.80**	**2.30**	8.26	4.83	3.52	6.03	0.70	2.18	47.72
1891.	5.90	6.43	......	......	......	......	......	......	......	......	......	......	......
1892.	**6.30**	......	5.00	2.80	5.00	4.77	5.52	3.56	**5.10**	0.49	2.39	0.76	......
1893.	4.25	7.37	1.35	3.00	**6.40**	5.32	**3.20**	6.91	9.74	8.75	5.22	1.74	62.25
1894.	2.33	**5.40**	0.67	1.23	2.12	1.94	**4.30**	**4.40**	**3.10**	**3.80**	0.40	6.86	36.65
1895.	5.05	2.25	5.00	4.45	......	......	......	......	......	......	......	......	......
1896.	2.25	3.28	2.26	2.62	2.98	8.36	7.28	2.02	3.43	1.46	9.60	1.85	47.39
1897.	3.26	4.61	6.04	6.74	3.34	4.58	6.98	2.74	0.59	5.48	2.90	3.86	51.12
1898.	4.52	0.73	4.06	2.81	3.68	3.88	10.07	10.84	9.62	8.07	3.27	5.54	67.09
1899.	3.89	10.05	12.68	4.33	3.34	5.76	2.12	5.64	4.41	2.00	0.89	5.28	60.39
1900.	3.59	9.22	6.65	9.70	1.96	10.50	3.52	2.70	3.48	9.69	4.04	4.74	69.79
1901.	4.10	2.06	8.85	9.33	12.63	10.61	3.00	......	**4.10**	1.59	1.16	11.84	......
1902.	2.37	7.80	5.70	2.13	2.89	5.98	2.09	1.00	4.59	3.38	4.60	7.23	50.66
1903.	5.07	11.57	9.26	5.17	1.59	10.13	1.74	6.49	3.15	2.71	2.85	1.22	61.03
1904.	2.48	3.36	7.04	2.24	6.96	3.71	7.17	**6.80**	**2.20**	**1.10**	3.91	2.94	49.01
1905.	4.25	7.69	2.32	1.95	7.31	**2.40**	**10.80**	**5.80**	**1.80**	3.26	0.32	8.25	55.85
1906.	10.21	1.14	6.59	3.17	3.34	**11.00**	**6.80**	**8.10**	**10.00**	**5.70**	3.40	4.12	72.67
1907.	0.44	2.12	4.23	3.64	4.20	5.84	6.13	3.45	9.22	0.66	5.24	7.78	52.95
1908.	4.15	6.94	2.90	4.94	3.82	4.93	8.29	8.68	1.87	6.60	0.93	4.96	59.01
M'ns	4.03	5.45	5.26	3.89	4.89	5.93	5.48	5.20	4.69	4.17	3.07	4.60	56.66

MONROE, UNION COUNTY; ELEVATION 586 FEET.

1888.	3.38	4.82	7.56	2.51	7.07	1.38	3.00	4.08	9.09	4.76	1.70	3.72	53.07
1889.	6.00	3.71	2.74	1.78	3.11	6.97	6.54	4.34	5.93	2.69	5.48	0.64	49.93
*													
1896.	......	5.53	1.50	2.00	4.24	7.38	9.21	1.42	......	1.58	3.37	2.37	......
1897.	2.27	5.85	6.07	4.81	3.63	4.22	6.73	2.05	2.02	1.91	2.40	2.17	44.13
1898.	2.34	0.84	4.07	3.16	1.28	3.46	5.10	11.65	4.72	4.72	3.22	1.11	45.67
1899.	3.68	8.66	5.23	2.21	2.55	3.02	4.59	2.97	3.09	7.10	3.43	2.73	49.26
1900.	1.84	4.92	4.78	5.63	0.92	5.57	6.95	3.50	1.62	2.78	5.76	5.17	49.44
1901.	2.83	1.71	5.00	8.54	7.20	8.15	3.50	14.00	6.24	2.16	0.64	6.40	66.37
1902.	3.12	6.81	3.19	2.12	2.23	3.29	2.79	5.49	4.25	5.54	4.50	3.13	46.46
1903.	3.03	8.63	6.53	3.32	0.59	11.07	1.71	4.62	3.03	3.40	1.21	1.56	48.70
1904.	2.59	4.15	2.22	0.85	2.34	4.34	5.46	11.89	1.31	0.98	3.64	3.78	43.55
1905.	1.69	5.32	1.83	4.66	6.68	0.93	4.70	11.01	1.31	0.97	0.82	7.09	47.01
1906.	5.14	1.25	5.06	2.17	3.96	4.65	7.51	6.65	3.40	6.02	0.66	2.50	48.97
1907.	0.24	3.62	1.76	4.13	4.34	8.39	5.84	2.43	3.94	0.27	5.00	6.40	46.36
1908.	5.21	5.62	4.67	3.82	3.21	3.88	4.80	19.38	5.09	7.52	1.68	4.19	69.07
M'ns	3.10	4.76	4.15	3.45	3.62	5.11	5.23	7.03	3.93	3.49	2.90	3.46	50.23

MORGANTON, BURKE COUNTY; ELEVATION 1,135 FEET.

1876.	......	......	......	......	......	......	......	......	......	......	2.60	......	......
1877.	1.80	......	......	......		......	......	......	......	......	......	......	......
1878.	......	......	......	11.20	......	......	......	......	......	......	......	......	......
*													
1880.	......	......	2.60	4.60	1.70	0.80	......	......	......	......	......	......	......
*													
1889.	**3.40**	......	1.60	2.17	6.17	4.29	6.97	4.00	4.89	0.50	6.95	0.45	......
1890.	**2.10**	6.43	**4.00**	2.00	4.80	3.85	6.55	4.76	5.02	4.96	0.40	1.88	46.75
1891.	6.28	6.63	8.59	2.42	4.59	2.41	4.61	6.04	3.52	0.56	4.75	3.93	54.33
1892.	6.71	2.84	3.45	4.05	4.22	8.63	5.12	2.02	7.52	0.20	3.77	**2.00**	50.53

* No record for missing years.

MORGANTON—Continued.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1893.	**2.80**	**8.80**	1.16	3.70	4.95	7.14	2.00	9.37	7.75	10.70	3.10	1.60	61.17
1894.	3.71	5.00	0.85	2.15	3.10	2.07	3.08	2.13	4.78	5.65	0.55	4.75	37.82
1895.	3.64	2.20	2.43	5.49	3.72	2.54	2.42	3.99	2.68	0.70	1.24	3.32	34.37
1896.	3.35	4.64	3.93	1.58	2.72	4.13	9.47	1.08	7.44	0.76	6.47	2.23	47.80
1897.	3.40	7.27	6.29	4.99	1.97	**4.60**	3.70	1.16	1.60	6.70	2.13	3.49	47.20
1898.	3.25	0.67	2.97	2.32	3.45	3.51	6.68	7.30	6.41	8.47	3.00	4.65	52.68
1899.	3.84	9.35	10.82	4.60	2.33	4.78	4.23	4.14	2.47	1.45	0.80	3.60	52.41
1900.	**2.80**	**8.10**	**5.70**	**6.10**	**2.20**	5.97	2.65	1.15	2.10	3.20	2.26	4.40	46.63
1901.	2.51	2.80	6.00	7.90	6.70	8.90	1.30	14.70	4.10	0.90	1.00	6.38	63.19
1902.	1.96	6.65	**6.10**	2.12	0.62	5.18	2.88	1.10	3.31	5.86	3.83	4.26	42.87
1903.	4.91	8.44	9.29	4.85	0.61	7.89	2.27	5.20	3.16	1.87	2.56	0.99	52.04
1904.	1.59	3.73	4.15	0.98	4.37	4.39	4.88	7.03	3.91	0.92	3.51	2.85	42.31
1905.	4.38	6.90	1.46	2.12	6.25	3.16	13.95	5.32	1.24	3.01	0.36	8.89	57.04
1906.	7.22	0.73	6.00	1.30	2.02	10.52	4.77	9.74	3.86	5.99	1.72	3.99	57.86
1907.	0.48	1.64	2.36	4.67	2.73	10.43	5.76	1.83	4.64	0.63	4.76	8.01	47.94
1908.	3.50	6.95	3.56	2.88	4.57	6.15	9.55	11.48	3.01	9.32	1.16	4.31	66.44
M'ns	3.48	5.15	4.61	3.83	3.51	5.30	5.14	5.20	4.15	3.62	2.71	3.80	50.50

MT. HOLLY, GASTON COUNTY; ELEVATION 616 FEET.

1885.	......	......	......	......	......	......	......	......	......	6.09	4.60	3.28	......
1886.	4.15	2.01	4.73	3.16	8.66	......	....	......	....	0.60	2.62	2.43	......
1887.	1.98	2.95	1.98	2.08	4.60	5.15	6.73	1.82	......	6.60	1.08	5.17	......
1888.	4.28	4.28	7.13	1.71	9.60	1.20	0	5.77	10.88	2.68	......	3.22	.....
1889.	6.17	3.86	2.00	2.40	2.56	7.94	7.84	2.80	3.44	2.75	4.67	**0.80**	47.33
1890.	1.12	3.58	2.64	2.74	5.72	0.73	**8.70**	3.67	5.27	5.52	0	4.57	42.26
1891.	3.76	7.02	10.41	2.77	5.56	6.66	5.84	5.74	1.29	0.32	2.79	0.79	52.95
1892.	7.11	4.18	3.77	3.46	3.09	6.16	6.57	4.43	2.35	0.02	3.30	2.83	47.27
1893.	3.10	6.49	1.57	1.87	3.88	7.37	2.97	7.87	**7.40**	**5.90**	**2.80**	**2.00**	53.32
*													
1904.	......	......	......	....	......	.....	......	7.06	2.31	0.83	3.44	3.78	......
1905.	2.66	5.34	0.84	3.68	6.87	0.70	8.34	8.46	0.77	1.10	0.85	7.14	46.75
1906.	8.28	1.56	8.21	1.40	2.06	8.38	7.28	6.10	4.66	4.56	0.82	4.10	57.41
1907.	0.28	2.90	2.30	4.32	3.94	5.65	6.32	1.64	4.78	1.22	6.79	8.61	48.75
1908.	5.68	7.02	6.04	1.80	3.05	7.88	11.72	16.37	3.30	6.21	2.12	4.40	75.59
M'ns	4.05	4.27	4.30	2.62	4.97	5.26	6.39	5.98	4.22	3.17	2.77	3.79	51.79

MT. PLEASANT, CABARRUS COUNTY; ELEVATION 650 FEET.

1874.	......	......	......	2.08	2.26	5.09	7.88	4.40	5.95	3.12	1.20	2.68	......
1875.	3.54	4.09	1.17	4.89	2.81	5.32	......	......	......	......	......	.....	......
*													
1887.	1.52	4.32	2.90	1.94	5.48	3.72	4.96	10.27	1.63	7.14	0.77	4.56	50.81
1888.	4.67	4.70	5.85	3.12	5.99	3.81	1.34	6.18	9.01	7.09	1.69	3.39	56.84
1889.	6.06	3.77	2.15	2.20	2.91	6.02	8.28	4.51	3.95	3.15	5.95	0.60	49.55
1890.	1.29	3.97	3.01	2.52	4.53	3.19	7.38	8.39	5.70	5.40	0.30	4.89	50.57
1891.	3.60	6.65	10.13	1.55	7.26	4.18	6.18	6.05	0.95	0.62	3.84	1.70	52.71
1892.	7.92	2.79	3.64	2.70	3.92	7.31	5.13	2.91	2.76	0.28	3.66	2.78	45.80
1893.	2.33	7.18	1.46	1.52	4.31	8.46	2.08	9.09	3.27	6.53	2.19	1.90	50.32
1894.	3.67	3.17	1.63	1.47	3.68	2.52	5.07	2.95	5.12	7.80	1.84	4.40	43.32
1895.	6.74	2.25	5.82	6.33	2.93	5.00	4.12	4.97	1.79	1.35	2.18	4.24	47.72
1896.	2.06	5.89	2.19	1.19	2.48	4.33	6.83	2.86	3.88	0.05	4.61	1.52	38.79
1897.	2.62	5.26	6.35	4.05	2.19	4.49	6.25	3.49	2.12	1.02	3.31	2.94	44.09
1898.	2.34	1.18	5.77	3.17	3.97	2.55	9.44	8.01	1.89	3.35	2.37	2.13	46.17
1899.	4.46	7.30	6.32	2.18	3.19	3.36	2.74	2.19	1.76	4.16	1.96	2.62	42.24
1900.	2.41	6.68	3.07	4.34	2.53	4.87	......	......	......	......	......	......	..
M'ns	3.66	4.61	4.10	2.83	3.78	4.64	5.55	5.45	3.56	3.71	2.56	2.83	47.28

PATTERSON, CALDWELL COUNTY; ELEVATION 1,200 FEET.

1898.	......	....	......	......	......	......	......	......	......	7.54	3.13	4.00	......
1899.	3.52	6.57	12.76	5.12	5.14	3.28	2.95	5.38	2.83	1.20	0.91	3.51	53.17
1900.	2.70	8.52	3.94	4.56	2.92	10.55	......	1.22	2.88	9.83	4.85	4.43	......
1901.	3.68	1.71	7.54	10.53	11.85	9.37	2.29	24.19	4.60	1.03	0.74	10.47	88.00
1902.	1.73	6.16	4.85	1.25	2.04	4.77	2.95	2.27	4.65	3.78	4.12	4.59	43.16
1903.	4.96	8.76	8.07	5.28	1.87	8.37	4.35	3.71	1.73	4.28	2.94	1.68	56.00
1904.	2.29	2.90	3.62	1.66	8.18	3.06	7.40	5.48	0.91	0	3.11	2.60	41.21
1905.	3.15	4.03	1.33	3.59	7.12	6.49	9.06	5.39	1.70	3.46	0.16	6.23	51.71
1906.	7.77	1.74	5.02	2.62	3.34	**8.80**	6.79	7.94	4.79	6.49	4.72	3.67	63.79
1907.	0.28	1.97	2.63	3.66	4.44	7.87	5.90	3.29	7.12	0.90	3.00	5.62	46.68
1908.	3.62	4.79	3.08	5.43	3.22	5.51	9.98	6.47	1.99	5.62	1.28	3.72	54.71
M'ns	3.37	4.72	5.28	4.37	5.01	6.82	5.74	6.53	3.32	4.01	2.63	4.59	56.39

* No record for missing years.

SALISBURY, ROWAN COUNTY; ELEVATION 760 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1876.	4.51	3.41	......	......	......	......	......	......	......	......	......	......	......
*													
1882.	......	......	......	3.99	3.89	1.30	......	......	......	......	......	......	......
1883.	......	......	......	......	1.97	11.99	1.43	1.43	3.70	......	......	......	......
1884.	......	......	......	4.67	3.10	5.29	1.85	1.07	0.26	0.97	......	......	......
1885.	......	......	......	......	6.35	8.60	3.35	3.28	2.54	5.49	.....	......	......
1886.	......	......	......	2.15	13.06	6.51	8.57	5.76	0.92	0.61	......	......	......
1887.	......	......	......	......	7.21	3.80	6.26	16.14	2.43	14.19	.....	......	......
1838.	4.38	3.67	7.60	1.34	5.91	0.93	1.98	4.26	12.90	4.71	2.09	3.53	53.30
1889.	5.90	3.33	3.30	2.85	3.01	5.57	7.25	6.13	3.40	2.18	4.96	0.50	48.38
1890.	1.06	3.23	2.75	2.16	4.64	1.94	6.06	8.87	7.74	5.58	0.13	4.74	48.90
1891.	3.49	**6.60**	9.21	2.47	6.05	5.20	5.52	7.19	0.86	1.14	3.41	1.58	52.72
1892.	6.63	2.87	3.31	4.01	2.72	4.67	4.72	1.61	2.81	0.53	4.00	2.08	39.96
1893.	1.93	7.78	1.10	2.03	4.72	5.66	2.07	7.35	4.98	5.89	2.37	1.96	47.84
1894.	3.65	4.35	1.32	1.62	3.21	1.84	5.74	3.75	2.97	7.50	1.48	3.87	41.30
1895.	5.87	2.06	5.40	5.55	6.85	1.86	3.74	3.48	0.92	1.04	2.75	3.96	43.48
1896.	2.04	5.93	2.42	1.09	0.98	3.91	9.28	2.14	5.63	1.00	4.35	1.50	40.27
1897.	2.71	4.61	5.78	2.40	4.73	2.42	7.78	2.49	1.75	2.29	3.85	2.89	43.70
1898.	1.86	0.93	5.57	2.82	2.46	2.08	3.96	7.07	0.94	2.60	3.36	1.92	35.57
1899.	2.35	5.66	8.39	4.57	3.36	3.08	7.87	1.94	1.53	3.10	1.34	2.56	45.75
1900.	3.22	4.52	5.02	4.98	4.12	4.81	3.52	1.79	1.60	1.90	2.10	6.35	43.93
1901.	3.29	1.77	5.22	8.14	6.27	6.58	4.34	9.69	3.32	T.	0.75	8.08	57.45
1902.	2.17	5.98	4.23	2.15	0.50	7.85	1.78	4.03	2.44	4.99	2.96	5.53	44.61
1903.	3.75	6.27	8.66	5.10	2.17	3.34	1.70	3.23	3.93	1.68	2.06	1.78	43.67
1904.	1.86	3.93	2.60	1.27	1.58	5.90	6.26	4.84	1.76	1.42	4.70	3.53	39.65
1905.	2.98	5.95	1.33	2.68	7.65	1.35	5.69	7.68	0.51	1.51	0.61	7.66	45.60
1906.	6.99	1.42	5.62	1.79	2.70	7.13	9.08	11.55	3.00	3.33	0.81	4.04	57.46
1907.	0.32	3.29	2.93	5.82	3.13	7.66	3.58	2.14	4.31	0.83	5.21	6.18	45.40
1908.	5.09	6.02	3.93	3.20	**3.20**	2.25	7.63	9.65	5.13	6.83	1.97	4.53	59.43
M'ns	3.46	4.25	4.56	3.29	4.28	4.57	5.04	5.33	3.20	3.25	2.63	3.75	47.61

SETTLE, IREDELL COUNTY; ELEVATION 700 FEET.

1895.	......	......	......	......	.....	......	......	2.99	0.38	1.13	3.36	6.98	......
1896	1.63	6.25	3.23	2.72	1.42	6.67	11.08	0.80	6.93	1.00	4.74	2.08	48.55
1897.	2.22	5.61	6.61	4.24	3.94	2.70	5.01	2.08	1.00	3.86	3.24	2.77	43.28
1898.	2.60	0.55	2.40	2.67	3.25	1.42	5.87	6.45	2.70	4.24	2.10	2.72	36.97
1899.	4.92	6.17	8.38	2.25	1.79	0.84	3.09	1.32	2.18	2.55	0.72	1.90	36.11
1900.	2.82	5.34	3.30	4.30	2.40	5.57	2.43	3.95	3.56	2.99	3.08	4.51	42.25
1901.	2.32	1.39	4.35	6.99	5.13	5.32	9.04	10.38	3.53	1.00	1.30	10.45	61.20
1902.	2.42	5.45	4.52	2.50	1.92	9.72	2.91	3.57	4.47	3.84	5.22	4.31	50.85
1903.	5.66	7.32	9.47	5.19	1.03	5.89	3.64	4.50	5.31	1.65	1.94	1.50	53.10
1904.	1.55	3.44	2.41	0.84	4.38	6.17	3.05	5.15	1.09	0.14	4.08	3.10	35.40
1905.	2.96	5.53	1.59	3.21	9.65	1.49	13.56	7.04	0.98	1.98	0.60	8.29	56.88
1906.	6.84	2.46	5.61	1.63	3.92	7.89	8.48	12.24	2.55	**4.10**	**1.60**	3.52	61.02
1907	0.05	1.23	1.95	4.28	1.93	5.97	3.40	1.41	4.57	1.24	4.04	5.80	35.87
1908.	3.23	3.80	4.52	3.84	2.94	4.60	4.94	13.39	4.35	7.41	2.19	4.63	59.84
M'ns	3.02	4.21	4.49	3.44	3.36	4.94	5.89	5.38	3.12	2.65	2.73	4.47	47.70

STATESVILLE, IREDELL COUNTY; ELEVATION 950 FEET.

1866.	......	......	......	......	......	4.81	2.90	2.00	7.25	4.00	5.50	4.15	......
1867.	1.96	3.00	......	4.06	6.19	6.75	......	5.14	......	4.63	0.50	6.25	......
1868.	6.50	3.75	5.87	8.31	3.13	1.25	3.94	12.62	4.19	5.50	2.00	4.75	61.81
1869.	3.50	5.65	3.50	3.25	4.09	7.00	1.06	2.56	6.75	2.25	3.00	......	......
1870.	5.87	2.94	8.00	2.50	4.50	7.44	7.50	3.81	4.25	3.13	0.75	4.60	55.29
1871.	4.13	......	6.25	2.25	5.62	1.75	7.00	2.50	1.62	2.34	4.75	1.25	......
1872.	......	6.69	6.75	1.25	6.75	2.75	3.30	......	......	......	......	3.10	......
1873.	......	10.50	2.20	1.80	......	......	......	......	......	......	......	......	......
1874.	...	4.55	3.30	9.50	2.70	2.90	5.40	2.10	5.10	2.90	3.30	2.80	......
1875.	.....	6.10	14.70	5.50	1.20	2.70	4.30	6.60	5.10	1.60	3.10	8.70	......
1876.	1.50	3.70	4.60	1.50	4.00	5.00	2.30	5.00	3.60	0.50	2.70	1.50	35.90
1877.	4.10	1.80	1.70	6.30	1.70	4.20	2.70	......	2.00	6.00	7.30	6.30	......
1878.	6.00	......	1.00	3.70	3.40	2.60	2.50	5.10	....	......	......	......	......
1879		3.50	....	2.25	......	4.10	4.80	......	......	......	......	......	......
1880.	2.50	3.30	9.90	2.90	1.60	2.00	3.50	5.70	......	......	......	......	......
*													
1884.	3.48	6.06	12.03	4.40	2.63	7.99	2.96	1.36	0.50	0.92	1.71	5.35	49.39
1885.	5.95	4.87	2.15	1.47	5.09	2.53	4.47	2.77	2.20	7.43	4.96	3.02	46.91
1886.	5.97	2.74	4.91	4.10	8.91	6.26	5.46	5.97	1.08	0.36	5.01	3.08	53.85
1887.	2.36	4.60	3.16	2.72	3.38	3.17	6.54	12.25	3.65	6.51	0.90	4.50	53.74
1888.	5.07	4.05	8.28	2.52	9.54	2.62	5.18	5.38	13.64	5.68	2.88	3.30	68.14
1889.	4.90	6.66	2.14	2.78	3.11	6.20	13.61	7.90	4.78	**1.60**	**4.80**	**0.60**	65.18
*													
1901.	2.28	1.95	4.10	8.23	6.98	4.65	2.17	**12.00**	**4.00**	**1.20**	**1.30**	**10.20**	59.06
1902.	2.54	5.21	4.24	1.81	1.94	8.69	1.83	3.38	5.61	3.86	4.54	4.11	47.76
1903.	6.43	9.90	8.66	7.37	0.63	4.52	3.55	3.04	5.05	1.08	1.72	1.69	53.64
1904.	2.07	3.87	2.46	1.55	2.07	5.74	4.01	6.60	1.31	0.12	3.71	3.64	37.15
1905.	2.88	5.70	1.50	2.28	6.78	1.27	8.95	8.75	1.30	2.06	0.35	8.09	49.91
1906.	7.23	1.75	**6.00**	1.49	2.02	6.45	8.68	6.37	3.61	4.11	0.80	2.80	51.31
1907.	0.05	2.16	2.75	3.85	3.02	4.70	2.02	3.26	6.05	1.60	**4.00**	**6.20**	39.66
1908.	**4.20**	**3.90**	**3.80**	**3.10**	2.04	1.55	9.33	13.27	3.75	8.15	1.90	**4.60**	59.59
M'ns	3.98	4.57	5.15	3.67	3.96	4.36	4.81	5.82	4.19	3.23	2.98	4.37	51.09

* No record for missing years.

MEAN TEMPERATURES.

Stations.	Length of record, y'rs	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Brewers, N. C	12	38.2	36.2	48.2	54.0	65.4	71.5	75.6	74.8	69.2	58.8	47.4	39.0	56.5
Patterson, N. C*	10	34.9	34.1	45.9	52.0	61.9	67.6	71.6	70.7	65.3	53.7	43.6	36.0	53.1
Settle, N. C	13	38.4	37.9	50.6	56.8	67.6	73.6	77.3	76.4	71.0	58.6	47.8	39.6	58.0
Lenoir, N. C	28	36.9	41.0	46.4	56.2	64.8	71.5	75.0	73.7	66.7	56.5	46.0	38.6	56.1
Morganton, N. C	21	38.4	39.8	49.8	57.1	66.4	72.0	76.0	74.8	69.5	57.3	48.1	41.5	57.6
Statesville, N. C	22	37.3	39.4	48.3	56.7	65.8	72.7	75.4	75.5	69.2	56.7	46.8	36.7	56.7
Salisbury, N. C	23	41.0	41.8	51.1	59.7	69.1	75.7	79.0	77.5	71.7	59.3	50.5	42.4	59.9
Marion, N. C	17	39.2	39.6	50.3	56.0	66.7	72.3	75.6	75.0	69.2	58.5	48.9	40.4	57.6
Mt. Pleasant, N. C	16	40.4	42.8	49.4	58.6	67.8	75.4	77.0	75.9	70.6	58.3	49.4	42.8	59.0
Charlotte, N. C	30	40.4	44.1	50.8	59.2	68.4	75.5	78.7	76.6	70.7	61.1	50.4	42.9	59.9
Caroleen, N. C	9	41.0	39.9	52.7	58.0	69.1	74.8	78.5	77.6	72.2	60.1	49.5	41.5	59.6
Monroe, N. C	15	41.2	40.9	52.3	57.9	68.3	74.6	78.0	76.7	70.7	59.0	50.1	42.6	59.4

HIGHEST TEMPERATURES.

Stations.	Length of record, y'rs	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Brewers, N. C	12	76	74	93	89	99	98	99	100	89	92	85	76	100
Patterson, N. C*	10	72	70	86	85	93	90	96	96	94	82	76	69	96
Settle, N. C	13	78	77	91	89	98	99	102	101	100	92	80	78	102
Lenoir, N. C	28	72	74	83	88	96	97	98	96	93	87	83	76	98
Morganton, N. C	21	76	75	92	91	97	98	98	100	100	91	80	76	100
Salisbury, N. C	23	79	75	92	94	100	101	102	102	100	94	85	75	102
Statesville, N. C	22	80	75	93	88	96	98	99	96	94	90	81	70	99
Marion, N. C	17	77	77	95	94	98	97	100	103	100	90	80	80	103
Mt. Pleasant, N. C	16	76	76	86	94	97	102	102	98	98	90	80	76	102
Charlotte, N. C	30	77	79	91	94	97	102	102	100	99	92	80	76	102
Caroleen, N. C	9	80	74	94	89	99	99	102	101	97	92	82	75	102
Monroe, N. C	15	78	76	91	92	100	101	103	100	100	91	80	75	103

LOWEST TEMPERATURES.

Stations.	Length of record, y'rs	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Brewers, N. C	12	2	−9	5	20	28	42	44	43	30	20	12	1	−9
Patterson, N. C*	10	5	−1	10	21	30	40	48	46	35	22	15	−1	−1
Settle, N. C	13	−2	−5	9	19	30	44	47	48	33	24	15	1	−5
Lenoir, N. C	28	15	−8	8	19	35	42	51	49	32	28	12	−16	−16
Morganton, N. C	21	−1	1	11	22	34	44	50	48	36	24	12	−4	−4
Salisbury, N. C	23	6	−1	16	20	30	41	54	45	41	23	12	6	−1
Statesville, N. C	22	6	−3	15	19	25	41	51	49	37	22	9	7	−3
Marion, N. C	17	−10	−6	8	23	30	44	51	50	36	23	15	−5	−10
Mt. Pleasant, N. C	16	−4	−16	16	26	34	45	52	48	32	28	18	5	−16
Charlotte, N. C	30	−1	1	14	26	37	45	55	53	38	30	18	−5	−5
Caroleen, N. C	9	7	4	12	20	32	44	56	50	42	26	15	6	4
Monroe, N. C	15	5	−10	10	17	28	43	47	44	35	23	9	5	−10

* Temperatures are from observed readings of the dry-bulb; means are computed from the observed readings.

FROST DATA.

Stations.	Length of record, y'rs	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Brewers, N. C	5	October 11	April 21	October 9	May 10
Patterson, N. C	10	October 14	April 19	October 1	May 10
Settle, N. C	13	October 22	April 18	October 2	May 10
Lenoir, N. C	28	October 18	April 18	October 1	May 7
Morganton, N. C	21	October 16	April 18	October 3	April 25
Salisbury, N. C	23	October 21	April 9	October 3	May 15
Statesville, N. C	22	October 18	May 1	October 11	May 12
Marion, N. C	17	October 25	April 18	October 1	May 10
Mt. Pleasant, N. C	16	October 17	April 11	September 30	April 26
Charlotte, N. C	30	November 4	March 29	October 8	April 26
Caroleen, N. C	9	October 27	April 17	October 11	May 10
Monroe, N. C	15	October 12	April 21	October 3	May 10

AVERAGE NUMBER OF DAYS WITH .01 INCH OR MORE OF PRECIPITATION.

Stations.	Length of record, y'rs	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Brewers, N. C	12	8	8	11	8	11	13	13	14	7	7	7	10	124
Patterson, N. C	10	7	8	10	8	10	13	12	13	8	6	5	8	108
Settle, N. C	13	7	8	9	7	8	10	12	12	6	5	5	7	96
Lenoir, N. C	21	6	6	6	5	8	9	10	9	6	4	4	6	79
Morganton, N. C	18	7	7	9	7	9	11	10	10	6	5	5	8	94
Statesville, N. C	8	6	6	8	7	7	10	8	9	5	5	4	7	82
Salisbury, N. C	18	8	8	9	7	8	9	9	10	5	5	5	5	88
Marion, N. C	18	8	8	11	8	11	15	15	12	8	7	7	10	120
Mt. Pleasant, N. C	13	8	8	10	8	10	10	12	12	8	7	6	8	107
Charlotte, N. C	30	12	11	11	10	11	12	13	12	8	7	8	9	124
Caroleen, N. C	9	6	7	8	6	8	10	8	11	6	4	4	8	86
Monroe, N. C	15	8	9	8	7	8	10	11	11	6	5	6	7	96

MEAN RELATIVE HUMIDITY.

Charlotte 8 a. m.	21	77	76	77	76	75	78	81	84	82	79	73	84	78.5
Charlotte 8 p. m.	21	65	63	61	55	59	66	69	73	68	62	62	68	64.2

PREVAILING WIND DIRECTION.

Charlotte	30	sw	sw	sw	sw	sw	sw	sw	sw	ne	ne	ne	ne	sw

AVERAGE HOURLY WIND VELOCITY.

Charlotte	30	6.6	7.4	7.7	7.3	6.1	5.4	5.0	4.8	5.3	5.6	6.0	6.2	6.1

HYDROGRAPHIC DATA FOR SECTION 89.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY.*

BY R. H. BOLSTER, ASSISTANT ENGINEER.

Preliminary Note: Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section comprises the upper portion of the Great Peedee or Yadkin River drainage basin on the east and the headwaters of Santee River drainage, comprising Catawba and Broad rivers, on the west.

The Yadkin, or Great Peedee, as it is called below its junction with the Uharie River, rises on the eastern slope of the Blue Ridge in Caldwell and Watauga counties, North Carolina. The general course of the drainage is southeastward. The head of navigation on the river is Cheraw, South Carolina, a few miles south of this section. An examination of the river between Cheraw and the mouth of Uharie, a distance of 67 miles, has been made, and it has been found practicable to render the river navigable as high as this point by locks and dams. Above the mouth of the Uharie, "The Narrows" form an insurmountable obstacle to navigation, but above them between the Southern Railway bridge and Wilkesboro improvements in navigation have been made. The Great Peedee crosses the fall line a little above Cheraw. The fall is not so abrupt as in the case of the Tar and the Roanoke, but consists of a series of rapids extending for a number of miles with no great fall in any one place nor within a short distance. Below the Great Bend where the river turns abruptly to the south, the valley of the Yadkin averages 50 miles wide and at many points the river is bordered by wide fertile bottoms subject to overflow at times, and forming some of the best farming lands in the State. At other points the hills close in upon the river leaving no bottoms at all, and sometimes confining the river between steep and rocky banks on each side. In one case the river flows through a ravine confined in a very narrow channel by bold and abrupt banks for a distance of several miles, forming the noted "The Narrows." Above the Great Bend, the valley is narrower, only 15 to 20 miles wide and the divides which separate the basin of the Yadkin from those adjacent are much higher, so that the tributary streams in the vicinity have a very large fall. The upper part of the valley of the Yadkin is very well wooded and the streams are constant in flow.

Between Wilkesboro and Patterson the lowlands along the river are from a few hundred yards to more than a mile in width and exceedingly fertile. The facilities for the construction of storage reservoirs are good on some of the tributaries and on the main stream on the very upper part of its course. The river is somewhat subject to freshets but not more so than other south Atlantic streams.

Catawba River rises on the eastern slope of the Blue Ridge in McDowell County, North Carolina. It first flows northeasterly, then easterly, and finally bends abruptly toward the south, maintaining this general direction until it unites with the Congaree to form the Santee. The river is known as the Catawba down as far as the mouth of the Big Wateree Creek below which point it is known as the Wateree. Above Camden where the fall line occurs the pitch of the stream is so great that navigation is not practicable.

In a general way the Catawba River basin is similar to the drainage of the Yadkin except that the bottoms are narrower in the lower half of its course in North Carolina. There are no lakes in the basin, but in the upper part the facilities for storage are good.

Broad River takes its rise on the eastern slope of the Blue Ridge near Hickory Nut Gap in the southwestern part of McDowell County. It flows in a generally southeasterly direction uniting with the Saluda River just above Columbia to form the Congaree. The general character of this drainage basin resembles that of the Catawba and the Yadkin. It lies entirely above the fall line, is well wooded, especially in the upper parts, is without lakes, affords fine building stone in numerous localities, and as regards soil, etc., is similar to the valley of the Catawba, the soil being generally loose and porous. In many places the banks are low, and the bottoms are overflowed in freshets.

The declivity of the stream is less than that of the Catawba, but still very large. This stream as well as the Catawba and the Yadkin rivers affords many excellent sites for water-power development.

MONTHLY DISCHARGE OF YADKIN RIVER, SALISBURY, N. C., FOR 1899–1908.

[Drainage area, 3400 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	38,100	1,040	6,220	1.83	2.11
February	48.200	1,040	7,630	2.16	2.25
March	95,100	2.300	8,640	2.54	2.93
April	81,000	1,950	7,050	2.07	2.31
May	72,400	1.950	5,080	1.49	1.72
June	54,000	1,680	6,090	1.79	2.00
July	33,800	1,680	4,950	1.46	1.68
August	67,800	1,040	6,300	1.85	2.13
September	38,800	1,040	3.870	1.14	1.27
October	36,400	1,050	3.590	1.06	1.22
November	31,000	1.370	3,470	1.02	1.14
December	98,500	1.390	5.750	1.69	1.95
The period	98,500	1,040	5.700	1.68	22.71

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* The descriptive matter has been derived from the Preliminary Report on the water power of North Carolina by George F. Swain, J. E. Holmes, and E. W. Myers.

MONTHLY DISCHARGE OF BROAD RIVER, GAFFNEY, S. C., FOR PERIOD AUG. 1, 1896–DEC. 31, 1899, EXCEPT OCT., 1898.

[Drainage area, 1440 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	16,200	800	2,960	2.06	2.38
February	20,600	970	5,240	3.64	3.79
March	25,400	1,720	5,710	3.97	4.58
April	18,700	1,960	4,650	3.23	3.60
May	7,550	1,500	4.000	2.78	3.20
June	10,300	1,050	3,400	2.36	2.63
July	8,200	900	3,330	2.31	2.66
August	10,000	680	2,320	1.61	1.86
September	23,200	600	2,540	1.76	1.96
October	7,310	680	1,070	.743	.86
November	*8.800	680	1,460	1.01	1.13
December	6,400	680	1,810	1.26	1.45
The period	25,400	600	3,210	2.23	30.10

* Estimated.

MONTHLY DISCHARGE OF CATAWBA RIVER, ROCK HILL, S. C., FOR PERIOD DEC., 1895–JULY, 1903, EXCEPT APRIL AND MAY, 1900.

[Drainage area, 2990 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	34,000	1,550	4,620	1.55	1.79
February	65,600	1,780	8,120	2.72	2.83
March	93.000	1,700	9,500	3.18	3.67
April	108,000	1,470	7,860	2.63	2.93
May	128.000	1,400	5.210	1.74	2.01
June	79,400	1,330	5,240	1.79	2.00
July	*62,500	1,400	4,540	1.52	1.75
August	64,100	1,330	5,350	1.79	2.06
September	14,800	1,330	3,580	1.20	1.34
October	42,400	1,330	4,200	1.30	1.61
November	19,400	1,400	3,360	1.12	1.25
December	98,800	1,550	5,110	1.71	1.97
The period	128,000	1,330	5,570	1.86	25.21

* Estimated.

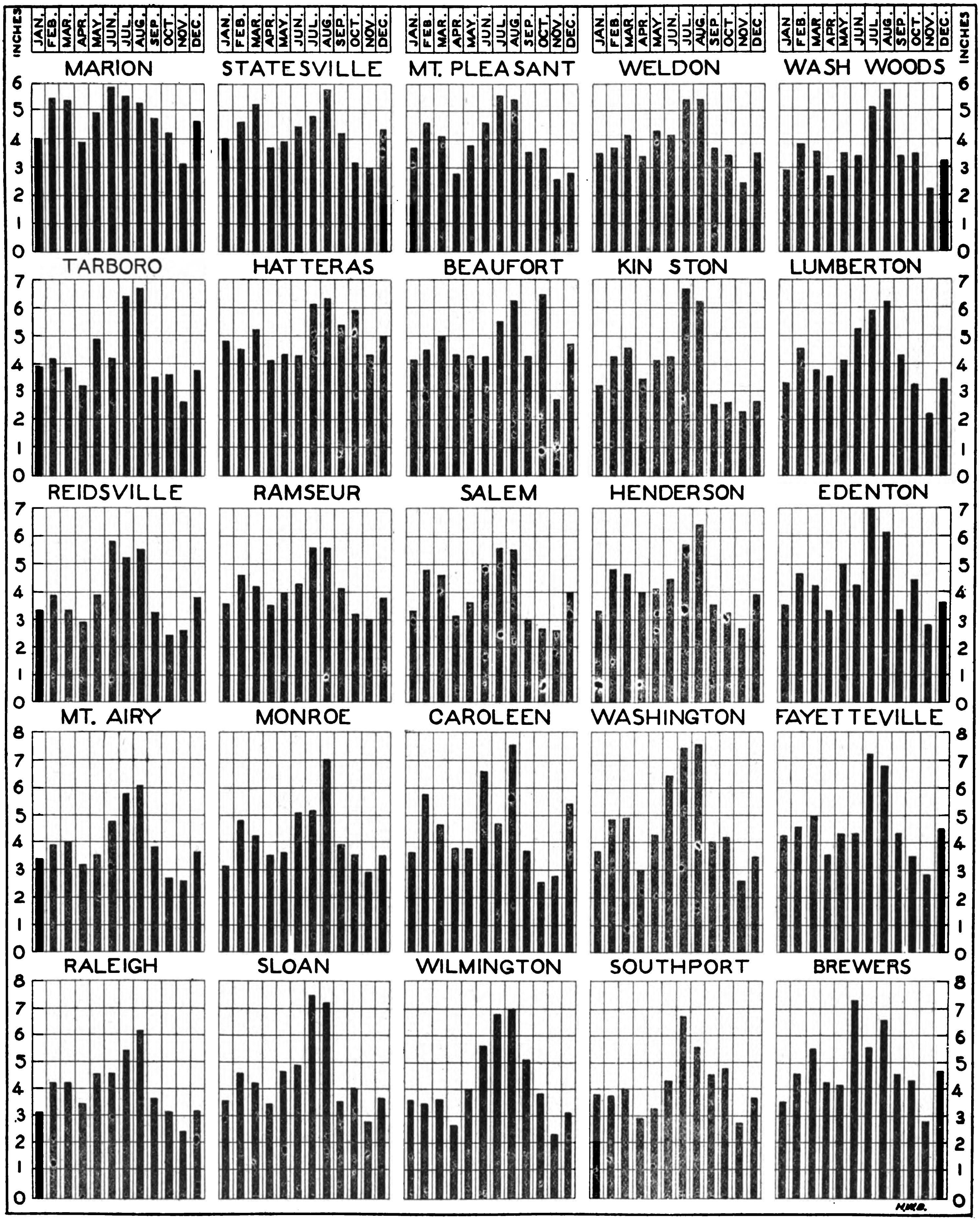

FIG. 1.—Diagrams showing the comparative monthly distribution of precipitation for North Carolina.

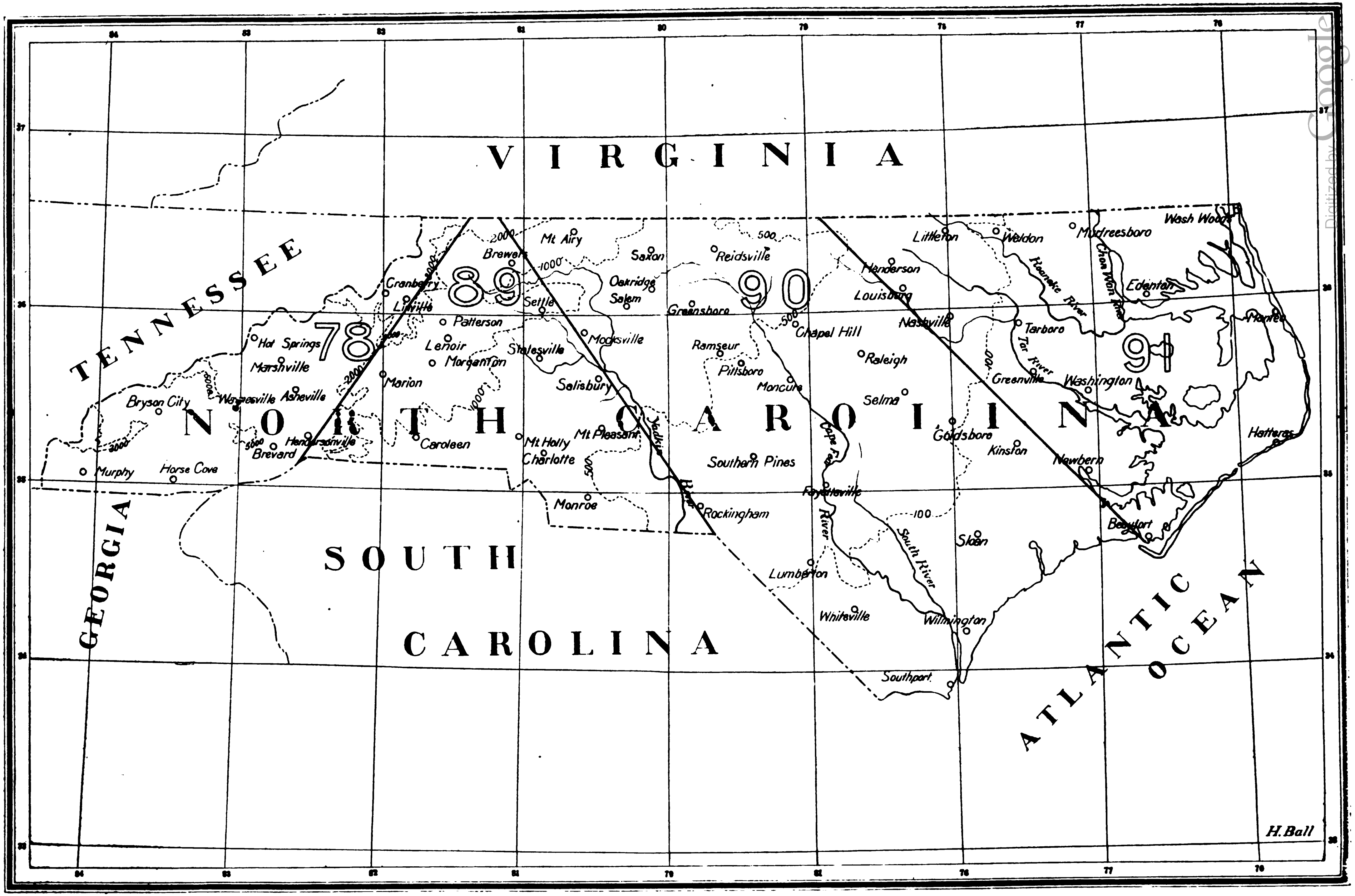

FIG. 2.—Chart showing principal points of observation, the drainage basins, and the general elevation of North Carolina.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 90.—CENTRAL AND SOUTHEASTERN NORTH CAROLINA.

The area covered by the following discussion includes the watersheds of the Neuse and Cape Fear rivers. It has an area of about 20,000 square miles. That portion east of a line drawn from Selma to Lumberton is included in the Coastal Plain, while most of the remaining portion of this section lies in the Piedmont region.

The Coastal Plain extends from the seacoast inland to about 150 miles. It is remarkably smooth and slopes very gently to the sea at the rate of about one foot to the mile. The plain consists of beds of sand, clay, gravel, and loam, generally very fertile. The navigable portions of the rivers lie in this plain. These rivers are usually very narrow inland, but become very wide near the sea where some enter the ocean as broad estuaries. In general the plain is very level, there has been very little erosion, and a large portion is poorly drained. There are, however, portions which are moderately hilly, especially near the fall line.

The Piedmont plateau lies between the coastal plain and the mountains, and presents a great diversity of topography. In general the surface is undulating, but near the fall line its hills are low and many features of the coastal plain are evident. But toward the western portion, the hills rise higher and higher until some reach a height of 3000 feet above sea level. The soil is fertile and consists of loams mixed more or less with sand, gravel, and clay.

The population throughout this region is evenly distributed except in the southern portion where there are vast undrained portions, and the towns are somewhat scattered. The principal occupations are agriculture, manufacturing, lumbering to some extent, and fishing on the coast. Truck farming is very extensively carried on in the eastern portion of this section. The resources are: an agreeable climate, fertile soil adapted to a variety of crops, timber, communication by water, and fishing.

The climate of that portion of North Carolina which is now being considered has a uniform variation from its northern to its southern boundary. The mean annual temperature averages 59.7°, and ranges from 55.9° at Mt. Airy to 64.0° at Southport. January is the coldest month, and the lowest average for January is 36.7° at Mt. Airy; the warmest month is July, and the highest July average is 80.8° at Kinston.

Although January has the lowest average mean temperatune, the lowest minimum temperatures generally occur in February. The lowest on record for this section is 15° below zero at Mt. Airy. The highest temperatures generally occur in July, but often equally as high temperatures occur in June or August. Almost every station has a record of 100° or slightly over for the three summer months. The highest on record is 108° at Fayetteville.

The average date of first killing frost in autumn varies from October 15th at Mt. Airy to November 15th at Wilmington. The earliest date on which the first killing frost was ever recorded was October 1st at a few stations in the western part of the section. The average date of latest killing frost in spring ranges from March 22d at Wilmington to April 21st at Salem. The latest killing frost in spring ever recorded was May 11th at Saxon.

The annual precipitation is greatest in the southern portion and at the seacoast, and diminishes from the seacoast inland. The average annual precipitation for the section is 59.5 inches, and varies from 55.5 inches at Mt. Airy to 64.0 inches at Southport. The maximum monthly rainfall occurs in July or August, and the minimum in November with a secondary minimum in April.

The snowfall is very little and is not important as it does not lay on the ground for more than one or two days as a rule.

The number of rainy days averages about 99 annually. The greatest number occurs in July or August, and the least in November.

The amount of sunshine averages about 62 per cent of the possible amount.

A. H. THIESSEN,
Section Director.

Monthly, annual, and average amounts of precipitation (in inches and hundredths).

[Figures in black approximate.]

CHAPEL HILL, ORANGE COUNTY; ELEVATION 500 FEET.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1856.	......	......	......	1.66	3.83	2.37	1.45	3.79	7.46	2.78	3.74	3.46	......
1857.	2.81	0.14	2.30	2.79	4.38	2.54	4.40	3.66	......	......	2.77	4.93	......
1858.	2.60	5.28	2.82	2.76	2.40	3.75	6.15	2.72	4.11	1.95	3.39	6.01	43.94
1859.	3.13	3.35	6.28	3.44	3.66	0.69	3.95	5.69	4.07	2.24	2.70	2.98	42.18
*													
1861.	6.10	4.17	2.77	6.30	......	......	......	......	......	......	......	......	......
*													
1879.	......	......	......	......	......	......	......	1.10	1.81	......	......	2.45	......
1880.	0.32	1.79	4.74	1.91	0.24	2.52	3.40	9.34	1.11	2.05	6.85	6.55	40.82
1881	6.50	3.20	3.85	4.70	2.45	3.15	1.60	1.80	3.40	2.85	3.13	4.20	40.83
1882.	7.78	4.05	1.95	3.19	3.45	......	3.33	2.78	2.24	3.43	0.77	3.42	.....
1883.	5.02	3.84	6.91	7.35	1.60	5.67	4.25	2.67	6.65	3.25	1.77	1.84	50.82
1884.	4.95	2.58	6.20	2.68	4.97	3.89	6.63	4.64	0.52	0.83	1.68	6.98	46.55
1885.	5.24	2.73	4.45	2.71	4.34	1.36	3.95	1.98	......	6.27	3.81	4.21	......
1886.	0.85	......	4.97	5.99	4.00	6.22	7.48	9.91	2.86	1.47	2.79	4.13	......
1887.	2.81	4.62	3.93	2.56	6.59	......	6.59	......	1.39	11.21	0.85	6.19	......
1888.	3.37	4.01	8.73	1.11	9.88	1.30	......	......	7.05	1.81	2.57	4.40	......
1889.	6.71	4.24	2.33	3.75	6.02	......	......	......	......	3.32	3.23	0.46	......
1890.	2.23	3.63	3.80	1.86	4.81	3.66	**7.70**	**5.30**	4.83	5.69	T.	3.35	46.86
1891.	4.59	5.70	7.75	2.13	8.75	4.61	5.40	11.71	1.38	1.58	3.12	1.47	58.19
1892.	6.22	3.22	2.74	3.15	3.39	6.12	3.72	0.82	1.97	0.27	4.35	2.77	38.74
1893.	3.04	5.41	1.48	1.49	4.04	4.21	2.09	9.13	6.40	6.75	1.54	3.48	49.06
1894.	4.30	3.65	1.78	2.04	4.03	1.76	5.80	6.21	7.93	6.84	1.85	2.33	48.52
1895.	8.90	2.33	5.12	11.42	3.99	4.60	3.19	4.46	0.62	1.13	4.67	3.63	54.06
1896.	3.39	6.46	2.54	2.23	6.80	5.06	8.52	1.28	8.39	1.08	3.09	2.23	51.07
1897.	2.66	5.66	4.52	3.31	6.98	1.69	6.68	2.74	1.15	3.32	3.77	2.72	45.20
1898.	1.85	1.03	5.30	3.11	3.15	2.66	6.38	14.48	4.74	4.39	2.98	2.07	52.14
1899.	3.71	7.79	6.79	3.68	4.51	2.26	4.95	1.34	2.47	5.96	2.14	2.24	47.84
1900.	3.23	5.08	4.99	6.09	2.62	4.45	6.38	3.61	3.40	1.10	5.00	4.31	50.26
1901.	2.39	1.52	3.72	5.89	11.38	5.69	6.12	11.25	4.75	2.13	1.94	4.56	61.34
1902.	2.30	6.92	2.95	3.38	2.23	3.10	1.25	3.71	4.51	3.83	2.94	4.88	42.00
1903.	4.06	5.52	10.89	7.99	1.18	4.87	**1.60**	**3.80**	1.31	4.98	1.71	2.58	50.39
1904.	2.67	4.55	4.65	......	......	......	......	......	......	......	......	3.38	......
1905.	2.79	7.29	2.43	5.19	7.85	3.37	8.37	8.36	0.63	1.71	1.05	7.81	56.85
1906.	5.00	3.21	5.61	1.32	3.12	**3.90**	**7.80**	**10.30**	**1.80**	2.38	0.99	3.54	48.87
1907.	0.67	4.82	4.75	6.05	3.78	9.51	**2.80**	**3.80**	**3.70**	0.80	5.17	7.06	52.81
1908.	......	......	......	......	......	......	......	......	......	3.28	2.58	3.53	......
M'ns	3.82	4.12	4.51	3.85	4.52	3.75	4.88	5.25	3.54	3.25	2.78	3.81	48.08

* No record for missing years.

FAYETTEVILLE, CUMBERLAND COUNTY; ELEVATION 170 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1871.	......	2.25	8.85	2.95	4.00	2.00	1.60	7.40	1.83	4.90	5.42	2.37	......
1872.	1.57	11.30	5.40	1.60	3.30	7.10	6.40	5.90	2.80	5.20	3.40	5.10	59.07
1873.	......	......	......	1.80	6.93	3.85	9.30	2.30	9.30	6.70	4.50	4.25	......
*													
1878.	9.50	1.40	0.93	4.00	7.40	3.70	......	......	5.00	4.80	6.80	14.50	......
1879.	10.25	10.80	8.75	12.70	4.13	2.50	17.20	13.25	7.70	3.50	3.13	8.25	102.16
1880.	2.50	......	3.00	......	1.03	0.50	......	2.30	......	......	......	......	......
*													
1882.	4.70	3.10	13.30	13.60	3.10	6.60	10.50	10.70	6.30	5.70	2.30	8.50	88.40
1883.	......	3.30	4.80	......	......	......	......	......	......	......	......	......	......
1884.	8.75	4.70	12.13	4.25	4.50	6.45	......	......	......	......	......	......	......
*													
1889.	......	......	......	1.77	3.52	5.03	14.04	6.96	3.68	......	......	......	......
1890.	......	......	......	......	......	2.08	7.52	5.79	3.12	......	......	......	......
1891.	**4.50**	**3.80**	7.84	2.74	4.56	3.15	6.05	9.57	1.84	4.51	2.52	2.04	53.12
1892.	7.57	2.99	3.04	1.99	4.79	3.75	10.32	4.64	2.44	0.34	2.12	3.75	47.74
1893.	3.15	4.60	2.08	1.63	7.67	5.77	3.39	7.36	5.10	4.73	2.39	3.44	51.31
1894.	4.58	3.47	2.10	1.30	5.31	2.12	4.26	13.45	6.68	9.16	1.51	1.84	55.78
1895.	7.67	2.41	6.07	9.21	4.12	1.89	5.61	6.56	2.47	2.50	2.21	2.30	53.02
1896.	3.98	5.52	2.13	1.15	8.06	7.15	5.52	1.74	9.01	1.36	2.51	3.45	51.58
1897.	1.31	3.63	4.05	2.77	5.88	2.94	11.11	5.41	1.42	2.17	3.43	2.13	46.25
1898.	2.19	1.02	2.93	4.75	1.59	5.53	5.97	7.46	2.43	2.70	4.95	2.86	44.38
1899.	3.60	10.10	5.32	3.40	2.35	4.03	8.35	3.76	5.29	3.81	1.90	2.76	54.67
1900.	1.86	3.75	3.52	3.51	2.53	6.47	2.56	1.26	2.77	1.26	3.52	4.89	37.90
1901.	2.62	1.91	3.78	3.46	7.98	4.31	7.81	7.80	5.47	1.21	0.73	5.34	52.42
1902.	2.20	6.18	2.44	2.75	1.84	2.37	2.50	2.80	5.24	2.00	3.28	3.78	37.38
1903.	5.08	5.21	8.79	3.39	2.55	4.42	3.21	5.51	1.98	3.93	0.67	2.28	47.02
1904.	2.80	4.46	3.89	0.53	2.74	4.66	8.02	8.41	3.89	2.97	4.17	2.88	49.42
1905.	2.44	5.46	2.86	3.01	6.06	1.86	7.36	6.63	7.37	2.55	0.53	5.78	51.91
1906.	4.05	5.69	3.90	1.25	2.24	5.94	9.19	7.14	2.22	3.06	0.70	3.69	49.07
1907.	0.40	3.72	1.91	4.89	4.13	6.95	5.34	8.33	4.64	1.03	3.52	5.26	50.12
1908.	3.07	4.90	6.12	3.21	3.47	6.28	6.25	13.54	2.03	2.78	1.16	3.60	56.41
M'ns	4.18	4.63	5.00	3.62	4.29	4.26	7.18	6.77	4.30	3.49	2.81	4.38	54.91

GOLDSBORO, WAYNE COUNTY; ELEVATION 102 FEET.

1867.	5.02	0.62	9.36	4.29	6.86	11.15	9.00	9.78	8.74	4.75	2.15	2.75	74.47
1868.	3.20	2.25	3.35	5.25	4.22	4.15	......	3.25	0.92	5.00	1.60	1.33	......
1869.	3.60	3.25	2.95	1.37	4.22	6.00	4.42	3.75	1.35	3.35	3.15	4.95	42.36
1870.	3.00	4.60	2.30	3.15	4.85	7.95	12.25	6.95	2.85	5.00	2.00	3.70	58.60
1871.	1.70	4.90	4.26	5.48	......	......	......	......	......	......	......	......	......
1872	1.01	5.40	4.95	......	......	......	......	......	......	......	......	......	......
1873.	1.25	3.60	......	......	......	......	......	10.82	6.55	2.30	4.47	4.05	......
1874.	......	4.35	3.54	6.17	4.80	2.95	5.25	4.27	5.12	1.87	......	3.90	......
1875.	4.40	3.45	7.71	4.75	6.25	6.10	5.25	11.45	4.19	2.43	4.80	3.65	61.43
1876.	0.79	4.40	4.25	3.50	6.00	7.07	6.48	11.61	12.60	2.08	1.38	2.45	62.61
1877.	2.82	2.12	8.82	7.95	3.80	5.88	3.72	5.95	16.70	3.60	3.75	5.50	71.01
1878.	5.05	2.25	0.95	6.35	7.50	8.05	......	......	......	......	......	......	......
*													
1883.	......	......	......	4.54	2.66	5.36	7.43	6.26	10.39	3.99	......	......	......
1884.	......	......	......	2.75	2.91	6.21	3.98	4.28	2.53	0.88	......	......	......
1885.	......	......	......	......	5.87	5.31	5.25	4.67	2.70	3.20	......	......	......
1886.	......	......	......	2.54	4.63	4.75	6.91	14.25	3.35	0.35	......	2.87	......
1887.	......	3.52	......	......	7.83	5.73	6.42	14.36	2.25	5.45	......	......	......
1888.	......	......	......	0.55	7.67	2.10	1.80	1.65	13.10	3.55	......	......	......
1889.	......	......	......	......	4.70	7.82	7.30	3.83	3.30	2.80	3.05	**0.60**	......
1890.	**1.00**	**3.10**	**2.80**	**2.60**	2.79	2.22	6.59	8.38	4.17	2.10	0.56	**3.60**	39.91
1891.	**4.10**	**4.00**	**6.90**	**1.80**	4.93	1.77	5.81	10.78	2.35	3.43	1.51	1.65	49.16
1892.	**5.60**	**3.80**	**3.00**	**3.40**	3.51	6.82	5.05	4.85	3.76	0.73	1.85	**2.80**	45.27
1893.	**2.80**	**4.10**	**2.80**	1.33	5.04	6.23	5.84	5.86	3.21	4.46	2.27	**3.60**	47.64
1894.	**4.50**	**4.40**	**2.10**	**1.60**	3.32	1.07	7.20	9.05	6.06	7.00	0.91	**2.30**	49.51
1895.	**6.40**	**2.60**	**5.20**	8.86	4.11	2.92	3.22	7.71	3.96	1.40	**3.40**	**3.10**	52.75
1896.	**2.80**	**5.70**	**2.40**	**1.90**	4.89	3.78	5.06	2.00	4.38	1.79	2.51	**4.60**	41.71
1897.	**1.60**	**7.00**	**7.10**	**3.70**	4.13	3.73	9.52	6.70	0.85	3.44	**2.70**	**1.80**	52.17
1898.	**1.60**	**0.80**	**3.00**	**4.50**	3.36	2.53	1.97	9.32	2.07	4.42	**4.70**	**3.80**	42.07
1899	**3.80**	**8.70**	**5.70**	**4.00**	4.36	2.41	9.45	5.37	3.31	4.36	1.34	2.88	55.68
1900.	2.51	4.54	3.87	4.44	3.46	2.69	6.86	5.14	3.88	1.06	5.76	4.22	48.43
1901.	2.65	1.79	2.21	3.29	6.79	4.42	8.45	7.52	6.83	1.96	1.25	5.41	52.57
1902.	2.31	5.72	3.91	2.69	1.13	4.17	3.95	4.97	3.57	4.48	2.81	2.98	42.69
1903.	2.57	5.76	5.89	3.64	0.96	6.07	3.59	4.40	2.01	4.28	0.52	1.61	41.30
1904.	2.60	4.63	3.96	1.09	3.47	5.00	6.23	7.32	4.59	2.09	3.02	3.41	47.41
1905.	1.99	5.91	2.22	5.34	5.64	2.54	10.89	9.02	2.46	2.45	0.75	5.13	54.34
1906.	3.53	4.83	6.00	0.52	4.55	8.47	12.67	6.07	2.43	3.99	0.73	4.00	57.79
1907.	1.46	3.55	1.85	3.98	4.72	6.15	5.50	2.75	2.85	0.78	4.18	**3.70**	41.47
1908.	3.72	5.43	6.98	2.68	2.69	4.46	11.31	9.47	1.09	3.12	1.15	**3.00**	55.13
M'ns	2.97	4.10	5.35	3.64	4.53	5.26	6.51	6.97	4.58	3.20	2.44	3.32	52.87

GREENSBORO, GUILFORD COUNTY; ELEVATION 843 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1871.	......	......	......	......	......	......	......	0.80	3.50	4.55	......	......	......
1872.	0.59	2.39	3.30	1.05	2.05	2.25	2.25	4.30	0.74	0.66	0.65	2.35	22.88
1873.	1.40	0.75	......	0.65	4.10	1.30	0.90	2.40	0.75	0.95	0.80	......	......
1874.	0.95	0.70	0.80	2.55	0.55	0.75	0.95	1.35	0.85	0.65	0.95	0.70	16.00
1875.	1.20	1.45	3.70	1.75	0.80	2.00	2.15	2.04	0.45	0.85	1.05	2.85	20.20
1876.	1.45	1.30	2.20	1.35	2.10	3.60	1.25	1.50	3.45	0.65	0.94	2.25	22.04
1877.	2.70	1.10	1.40	1.30	0.80	2.30	2.60	1.10	2.80	2.00	3.00	2.30	23.40
1878.	1.39	1.05	1.30	1.40	1.30	1.10	2.45	3.60	2.50	1.50	1.50	1.30	20.39
1879.	1.00	3.01	1.00	1.30	1.65	1.20	3.00	3.60	0.85	0.70	0.80	2.05	20.16
1880.	1.20	1.00	3.35	2.45	1.21	1.34	2.90	1.50	1.25	0.96	3.25	3.00	23.41
1881.	2.15	1.50	1.40	1.70	0.50	1.25	0.45	0.40	1.00	1.00	2.20	2.70	16.25
1882.	4.40	2.90	2.70	3.10	2.30	0.75	1.70	2.10	......	......	......	......	......
*													
1892.	**8.00**	**3.10**	**3.00**	**3.30**	3.14	8.46	3.64	0.83	2.28	0.60	4.26	**2.80**	41.51
1893.	**2.80**	**6.70**	**1.60**	**2.80**	6.60	4.92	2.46	10.75	6.55	8.78	1.55	**3.60**	58.01
1894.	**3.70**	**4.20**	**1.70**	**1.80**	6.32	4.35	5.07	2.48	5.04	5.37	2.87	2.41	45.31
1895.	4.38	**2.20**	**5.00**	**8.00**	4.00	2.80	5.46	5.37	0.23	0.81	3.65	4.37	46.27
1896.	2.16	5.53	1.91	2.74	2.85	8.51	9.55	1.18	7.73	1.20	4.11	1.34	48.81
1897.	2.15	5.66	5.07	3.38	3.58	2.82	5.35	4.47	2.06	1.51	3.63	3.05	42.73
1898.	1.96	0.76	4.42	2.68	6.35	2.94	2.71	3.30	2.30	5.34	2.45	2.67	37.88
1899.	3.55	8.63	7.94	2.57	4.45	3.65	5.77	1.42	1.76	3.14	2.47	2.34	47.69
1900.	3.16	5.97	5.79	3.44	2.30	5.65	6.00	1.69	2.34	3.21	2.72	3.12	45.39
1901.	2.72	1.95	2.82	5.66	7.71	7.45	5.70	13.04	3.50	0.86	0.82	5.72	57.95
1902.	2.17	4.95	3.94	2.41	2.51	5.76	2.30	5.61	3.32	5.61	3.08	3.38	45.04
1903.	4.30	6.62	8.12	5.32	1.32	4.99	1.89	5.06	3.20	2.68	1.97	1.96	47.43
1904.	3.35	3.88	3.64	1.51	3.17	8.29	4.37	4.26	2.08	1.02	2.68	3.19	41.44
1905.	2.67	3.42	1.36	3.90	10.88	2.26	10.86	8.25	0.50	1.08	0.69	6.52	52.39
1906.	6.27	1.97	5.51	1.22	2.62	5.59	8.92	9.49	0.94	3.48	0.96	2.55	49.52
1907.	0.50	4.02	2.83	5.73	2.71	5.67	3.12	2.49	3.22	0.94	5.54	3.98	40.75
1908.	4.60	6.09	5.04	2.60	4.10	5.48	3.76	11.12	3.45	3.93	1.90	4.62	36.59
M'ns	2.67	3.28	3.36	2.77	3.28	3.64	3.84	3.98	2.45	2.28	2.24	2.97	36.76

* No record for missing years.

KINSTON, LENOIR COUNTY; ELEVATION 46 FEET.

1880.	......	......	......	......	......	......	......	......	0.50	2.50	4.40	2.20	......
1881.	4.20	2.70	3.75	3.90	3.30	3.70	3.10	2.60	3.40	2.80	1.70	2.10	37.35
1882.	3.50	0.80	4.30	4.50	3.10	......	......	......	......	......	......	......	......
*													
1884.	......	......	......	2.60	......	......	......	......	1.50	0.25	1.00	......	......
*													
1899.	......	......	......	......	......	......	......	......	2.51	3.34	1.05	1.77	......
1900.	5.00	6.71	3.82	6.61	2.67	1.86	3.33	2.35	2.30	1.54	5.57	2.81	44.57
1901.	2.76	2.49	4.00	4.74	6.51	3.66	6.25	7.63	7.57	0.94	2.48	4.67	53.70
1902.	1.01	6.70	3.04	2.34	2.64	3.92	2.69	8.91	2.76	5.13	4.14	1.82	45.10
1903.	2.96	5.91	8.05	2.99	3.91	......	8.07	6.93	0.89	3.28	0.60	1.99	......
1904.	4.12	4.10	5.04	0.82	3.78	1.29	5.00	3.58	4.75	1.73	2.30	2.82	39.33
1905.	0.85	5.06	2.52	4.06	5.57	3.90	4.38	4.22	1.70	3.12	1.58	4.75	41.71
1906.	3.68	4.63	7.53	0.52	3.41	4.37	9.16	13.08	0.59	4.13	0.84	1.34	53.28
1907.	1.13	2.39	2.39	4.05	5.56	9.07	9.11	5.02	3.83	0.89	3.19	3.08	49.71
1908.	6.19	4.54	6.34	3.35	4.95	6.07	15.78	8.09	0.47	4.53	1.44	3.02	64.77
M'ns	3.22	4.18	4.62	3.37	4.13	4.20	6.69	6.24	2.52	2.63	2.31	2.70	46.81

LUMBERTON, ROBESON COUNTY; ELEVATION 102 FEET.

1882.	......	......	......	5.87	0.75	1.81	5.73	10.09	4.33	2.84	......	......	......
1883.	......	......	......	4.21	3.50	5.32	2.41	2.20	12.50	3.10	......	......	......
1884.	......	......	......	2.79	4.23	5.60	4.47	5.31	6.08	0.11	......	......	......
1885.	......	......	......	......	6.46	7.67	7.34	3.02	3.69	4.04	......	......	......
1886.	......	......	......	1.51	3.26	10.51	7.09	8.18	3.24	0.20	......	......	......
1887.	......	......	......	......	2.75	1.98	2.97	9.11	1.12	9.51	......	......	......
1888.	......	......	......	1.91	5.97	4.00	5.29	4.10	9.83	2.64	......	......	......
1889.	......	......	......	......	3.13	6.80	8.65	7.61	1.58	1.34	3.51	......	......
1890.	**0.80**	**2.30**	**2.90**	**3.10**	8.00	6.80	6.62	6.99	4.67	3.80	1.11	**4.00**	51.09
1891.	**4.20**	**3.40**	**6.50**	**2.00**	3.53	4.82	5.43	10.64	1.59	1.16	2.35	**1.60**	47.12
1892.	**5.00**	**4.10**	**3.30**	**3.40**	3.82	6.04	5.22	4.91	2.75	1.16	1.93	**2.80**	44.43
1893.	**2.80**	**3.30**	**3.40**	**1.80**	5.90	7.83	7.62	8.15	5.31	6.71	2.78	**3.80**	59.60
1894.	**4.70**	**5.00**	**2.60**	1.47	3.86	2.93	8.60	9.39	7.26	7.50	1.24	2.20	56.69
1895.	9.04	2.66	5.31	9.98	3.36	4.72	2.66	8.47	0.80	2.00	2.02	1.40	52.42
1896.	4.65	5.15	1.80	0.89	2.99	4.51	4.81	4.28	5.41	**1.80**	**4.40**	**3.40**	44.09
1897.	**1.80**	**6.20**	**4.10**	**3.10**	5.39	6.16	8.03	4.37	1.65	2.54	1.90	2.56	47.80
1898.	1.92	1.12	2.76	6.60	2.02	2.29	7.38	7.98	4.36	2.26	4.97	2.71	46.37
1899.	4.22	8.42	2.97	4.59	3.06	5.30	9.03	3.81	3.08	6.08	2.28	2.20	55.94
1900.	2.85	6.11	4.79	5.14	2.88	3.17	3.00	1.50	1.83	3.32	4.17	5.28	44.04
1901.	4.02	2.18	3.56	4.25	12.52	5.47	6.54	6.97	9.38	1.21	1.01	5.65	62.76
1902.	2.15	5.92	2.52	2.98	3.42	2.29	2.63	4.49	3.32	4.44	4.34	3.28	41.78
1903.	3.15	7.43	5.87	3.64	2.13	6.44	6.25	3.55	1.26	4.25	0.35	2.52	46.84
1904.	2.37	4.44	**3.70**	**1.00**	1.60	5.57	3.44	8.30	7.28	2.96	2.35	2.50	45.51
1905.	1.96	5.53	2.39	3.83	8.26	2.32	4.39	4.31	1.50	2.21	1.23	5.19	43.12
1906.	4.10	6.34	6.61	0.03	2.08	8.17	7.81	4.74	2.91	2.64	1.02	3.31	50.66
1907.	0.37	4.08	2.22	3.98	4.71	8.41	6.87	7.46	6.17	0.97	2.45	5.07	52.76
1908.	2.68	4.61	5.82	4.29	1.43	6.51	9.06	8.74	2.60	4.81	1.09	3.17	54.81
M'ns	3.31	4.65	3.85	3.47	4.14	5.31	5.94	6.25	4.28	3.10	2.22	3.36	49.88

MOCKSVILLE, DAVIE COUNTY; ELEVATION 651 FEET.

1893.	**3.00**	4.22	**2.10**	**3.60**	**5.40**	5.63	1.65	11.22	6.05	6.54	1.11	0.79	51.31
1894.	2.87	4.66	1.26	1.82	2.79	1.83	3.29	5.04	2.89	5.64	1.46	4.32	37.87
1895.	5.71	1.66	4.97	5.12	4.30	4.78	4.53	3.67	1.09	0.50	3.11	3.67	43.11
1896.	2.24	5.55	2.04	1.27	2.12	4.11	7.17	2.71	5.09	0.74	5.59	1.54	40.17
1897.	2.42	4.80	6.46	......	......	......	......	......	......	......	3.67	2.66	......
1898.	2.52	0.49	4.63	3.49	3.25	3.41	7.66	7.07	3.93	5.73	2.86	3.11	48.15
1899.	5.24	8.64	9.28	3.12	2.38	3.31	2.99	1.57	3.30	2.69	1.23	2.86	46.61
1900.	3.40	4.38	6.18	4.68	3.13	**5.90**	2.88	2.07	2.08	3.04	3.31	3.32	44.37
1901.	2.01	1.59	3.86	6.59	6.80	5.93	3.81	9.34	2.89	1.01	1.00	6.49	51.32
1902.	1.66	3.96	4.26	1.48	2.67	5.75	1.61	3.24	2.32	3.23	5.35	4.03	39.56
1903.	3.62	7.83	7.30	5.19	0.85	6.11	2.96	6.75	5.30	1.05	2.19	2.21	51.36
M'ns	3.15	4.53	4.76	3.64	3.37	4.68	3.86	5.27	3.50	3.02	2.63	3.18	45.59

MONCURE, CHATHAM COUNTY; ELEVATION 145 FEET.

1894.	**3.70**	**4.20**	**1.70**	1.24	5.32	1.30	6.47	5.00	3.95	6.13	1.99	2.69	43.69
1895.	8.61	2.56	5.53	10.74	2.95	4.22	5.93	6.47	0.41	1.93	3.25	2.78	55.38
1896.	1.53	6.37	2.30	1.61	3.72	5.13	6.77	2.63	6.78	1.60	4.04	1.68	44.16
1897.	1.46	4.32	5.23	2.89	3.15	3.59	3.23	2.74	2.39	1.81	3.68	2.28	36.77
1898.	1.75	1.00	4.98	2.90	3.81	1.35	3.81	6.94	4.09	2.68	2.53	1.33	37.17
1899.	2.90	7.59	5.45	2.46	4.68	2.29	8.76	2.56	5.41	4.98	1.13	2.23	50.44
1900.	1.75	3.85	3.94	4.43	2.42	6.74	2.27	3.64	2.21	1.35	3.35	3.95	39.90
1901.	2.30	1.49	3.47	5.30	9.53	4.80	7.71	11.65	5.78	1.01	1.70	4.28	50.02
1902.	2.65	6.98	2.45	3.80	2.37	3.11	2.97	2.26	4.83	2.45	2.79	4.84	41.50

* No record for missing years.

MONCURE—Continued.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1903.	3.02	5.36	6.89	4.90	1.04	3.68	2.19	4.41	1.20	4.62	0.64	2.85	40.80
1904.	3.08	4.41	3.09	1.20	3.17	7.82	4.23	7.61	5.39	2.71	4.79	3.13	50.63
1905.	3.99	6.40	2.37	5.07	5.27	2.54	5.11	6.91	2.75	1.33	2.14	6.80	50.68
1906.	4.44	2.43	5.52	1.44	2.73	3.07	6.57	13.28	3.60	2.18	0.62	2.69	48.57
1907.	0.79	5.24	1.77	4.39	3.61	8.98	2.00	5.61	7.32	0.46	4.77	6.45	51.39
1908.	4.16	3.37	5.73	2.79	2.88	4.21	6.01	10.22	3.75	2.13	1.48	3.93	50.66
M'ns	3.07	4.37	4.03	3.68	3.78	4.19	4.94	6.13	3.99	2.49	2.59	3.46	46.93

MT. AIRY, SURRY COUNTY; ELEVATION 1,048 FEET.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1871.	......	......	......	......	......	......	......	......	......	......	......	2.50	......
1872.	2.10	3.10	3.55	1.70	0.80	4.70	3.10	7.30	......	......	......	......	......
*													
1889.	......	......	......	3.41	5.10	4.53	10.38	5.14	5.01	1.16	4.48	0.92	......
1890.	1.49	5.33	4.74	1.91	6.32	1.72	8.75	6.81	6.79	4.33	0.17	4.17	52.53
1891.	5.56	5.31	6.51	4.20	6.48	2.66	5.47	7.23	1.12	1.04	2.43	4.88	52.89
1892.	5.09	1.30	1.86	2.65	3.50	4.45	4.67	6.01	4.20	0.28	4.89	1.52	40.42
1893.	2.32	5.06	1.43	2.69	5.05	5.64	2.12	6.21	5.84	5.96	2.00	1.44	45.76
1894.	2.78	4.87	0.86	2.15	2.22	2.01	3.36	0.83	1.07	3.27	1.12	3.85	28.39
1895.	5.65	1.28	4.75	5.37	3.67	4.99	4.28	5.27	0.70	1.40	2.66	4.09	44.11
1896.	1.96	4.66	5.01	0.94	1.60	6.85	7.89	3.27	7.91	0.45	7.05	1.42	48.81
1897.	2.57	6.93	5.12	3.45	3.89	3.19	5.06	3.47	1.23	5.01	2.26	3.32	45.50
1898.	3.47	0.40	2.60	2.65	3.89	3.49	7.19	7.17	8.09	5.52	1.94	3.24	49.65
1899.	4.18	6.05	9.62	3.42	3.42	6.44	3.72	4.05	4.37	2.26	1.94	0.92	50.39
1900.	2.35	4.00	3.50	3.67	1.02	8.56	3.52	2.50	4.12	4.04	3.10	3.38	43.76
1901.	3.53	1.26	3.45	6.60	6.08	8.69	4.78	16.59	3.82	1.00	1.41	8.89	66.10
1902.	2.96	3.01	4.16	1.54	2.27	3.55	2.42	4.12	5.35	3.63	4.27	4.16	41.44
1903.	5.17	6.94	7.53	4.04	1.31	2.13	3.40	4.51	2.00	0.54	1.27	1.77	40.61
1904.	1.55	2.59	3.56	1.71	2.42	6.45	3.80	4.92	0.73	0.13	1.94	**3.00**	32.80
1905.	**3.70**	**4.80**	1.58	3.95	7.32	4.12	15.92	5.97	1.05	3.85	0.30	6.88	59.54
1906.	5.96	1.55	4.28	3.44	2.01	3.72	9.63	11.68	4.05	4.30	3.18	3.52	57.32
1907.	0.40	1.95	2.79	3.39	2.40	7.79	3.73	6.86	6.90	0.91	4.54	6.32	47.98
1908.	2.57	6.26	3.51	3.65	3.46	6.25	8.21	8.11	2.06	4.73	1.63	4.48	54.92
M'ns	3.27	3.89	4.02	3.17	3.53	4.85	5.78	6.10	3.77	2.69	2.63	3.56	47.26

OAK RIDGE, GUILFORD COUNTY; ELEVATION 885 FEET.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1890.	1.06	4.70	1.93	3.07	4.44	......	......	2.10	6.29	4.68	T.	3.45	......
1891.	4.09	5.92	7.06	4.46	8.26	2.36	10.99	7.26	1.46	1.35	3.33	2.96	59.49
1892.	6.07	3.70	3.10	3.08	3.29	6.84	4.94	2.49	3.71	0.78	4.78	1.98	44.76
1893.	1.86	7.35	1.07	2.29	7.35	6.42	1.44	8.26	6.75	7.26	1.66	1.60	53.31
1894.	3.10	4.67	0.78	1.84	3.92	2.45	6.64	1.45	4.68	5.09	4.93	3.25	38.80
1895.	6.31	[illegible].28	4.83	5.37	6.29	3.83	6.16	3.62	0.11	1.05	2.43	4.84	48.12
1896.	1.82	9.40	2.75	1.88	3.93	10.08	8.75	0.73	9.57	1.26	4.44	1.67	55.98
1897.	1.87	5.12	5.21	3.96	5.53	2.71	5.18	4.70	1.05	1.76	3.91	2.93	43.93
1898.	2.42	0.60	3.20	2.88	4.68	2.15	5.82	5.32	5.08	5.57	2.53	3.09	43.34
1899.	7.44	8.17	9.64	2.55	3.39	2.68	4.45	1.12	2.48	2.14	1.32	2.52	47.90
1900.	3.17	5.15	4.00	3.66	1.58	4.69	4.02	1.60	4.10	3.26	3.05	2.95	41.23
1901.	2.56	1.30	4.02	5.98	8.63	5.72	9.39	13.41	2.29	0.34	1.18	7.13	61.95
1902.	1.86	5.91	4.59	2.73	3.71	4.89	......	......	......	......	......	......	......
M'ns	3.36	5.02	4.01	3.37	5.00	4.57	6.16	4.34	3.96	2.88	2.80	3.20	48.67

PITTSBORO, CHATHAM COUNTY; ELEVATION 480 FEET.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1889.	......	......	......	......	....	4.38	8.50	4.70	2.50	3.10	4.30	0.40	......
1890.	0.62	2.50	2.41	1.68	5.55	3.25	5.65	4.20	4.00	4.60	0.20	3.55	38.21
1891.	4.30	3.80	7.00	1.70	7.00	3.60	7.10	8.80	0.80	1.50	2.55	1.00	49.15
1892.	5.55	2.90	2.40	2.70	4.20	4.55	4.30	0.92	0.40	0.01	2.40	3.00	33.33
1893.	3.75	6.16	1.05	2.45	3.15	3.35	2.03	5.10	6.06	5.70	1.32	3.40	43.52
1894.	4.95	3.50	1.19	1.43	5.42	2.11	7.10	5.72	6.43	7.19	1.63	3.54	50.21
1895.	9.21	1.85	4.80	13.40	2.61	7.00	5.60	5.36	0.70	2.35	6.57	4.10	63.55
1896.	3.80	6.82	2.90	1.42	5.50	7.11	8.80	2.66	6.15	1.28	4.73	1.94	53.11
1897.	4.53	5.61	5.82	3.70	5.09	4.51	6.62	3.05	3.25	2.40	3.28	2.54	50.40
1898.	1.77	0.62	5.03	3.07	3.30	2.72	6.25	9.25	4.19	3.57	2.54	1.75	44.06
1899.	3.42	7.38	6.27	3.55	4.91	2.19	7.79	4.55	3.71	6.39	1.49	1.86	53.51
1900.	2.38	5.99	4.56	5.75	3.79	5.98	2.17	4.99	3.67	1.64	4.40	4.35	49.67
1901.	1.76	1.90	3.77	4.64	8.66	6.01	7.39	9.55	7.86	1.99	1.37	3.57	58.47
1902.	1.28	3.86	3.30	4.63	**3.00**	2.23	3.51	3.11	6.03	2.22	3.46	2.75	39.38
1903.	3.19	5.87	7.89	6.08	1.69	1.92	2.45	3.84	2.00	3.64	1.00	2.11	41.68
1904.	**3.20**	4.50	3.60	1.06	4.94	6.55	3.27	**6.00**	7.81	2.44	4.13	1.61	49.11
1905.	2.41	5.17	**3.60**	3.36	7.23	3.05	5.42	7.62	0.81	1.56	0.78	6.87	47.88
1906.	4.69	2.27	5.22	0.71	1.24	4.41	**7.90**	**12.10**	**2.00**	2.31	**0.80**	1.40	45.05
M'ns	3.64	4.16	4.17	3.61	4.55	4.16	5.71	5.64	3.80	2.99	2.61	2.76	47.80

RALEIGH, WAKE COUNTY; ELEVATION 390 FEET.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1866.	......	......	......	......	......	......	......	1.81	5.50	5.06	2.40	3.56	......
1867.	0.60	2.44	6.10	3.10	5.80	14.40	2.45	6.85	1.70	4.50	2.70	2.95	53.59
1868.	4.20	3.00	4.60	3.80	3.20	2.45	5.95	7.17	2.66	3.75	1.45	3.60	45.83
1869.	3.50	8.80	7.40	2.40	3.80	2.60	......	......	......	......	......	......	......
1870.	......	5.95	......	3.65	5.05	0.95	......	......	......	......	......	......	......
*													
1873.	......	......	......	......	......	1.54	3.34	7.42	3.23	3.22	5.40	0.75	......
1874.	1.73	3.15	1.33	6.07	5.75	2.17	5.60	5.42	3.90	1.35	2.33	1.83	40.63
1875.	1.70	2.56	4.97	4.55	4.22	3.75	5.01	8.03	5.54	1.22	2.83	4.00	48.38
1876.	0.60	3.23	2.77	2.50	3.55	4.01	2.51	8.60	4.33	0.47	2.60	0.32	35.49
1877.	.....	0.90	4.22	4.10	....	......	......	......	......	....	......	......	......
*													
1883.	......	......	......	......	....	....	......	......	......	3.10	......	3.00	......
1884.	5.70	......	......	1.96	1.00	5.93	3.82	3.60	7.00	0.50	......	4.50	......
1885.	1.70	6.40	0.99	2.00	5.77	2.42	3.80	4.10	3.90	......	......	......	......
1886.	2.40	2.10	3.80	4.80	1.70	4.80	5.25	6.90	4.20	0.90	1.05	3.00	40.90

* No record for missing years.

RALEIGH—Continued.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1897.	3.04	4.97	4.13	2.10	3.46	6.22	6.11	10.80	2.17	10.23	1.00	4.99	59.22
1838.	3.98	3.86	6.88	1.71	6.07	4.06	4.93	4.05	10.88	4.31	3.01	3.18	56.92
1889.	6.02	3.36	2.72	4.01	5.30	10.44	6.04	8.74	1.68	3.41	3.07	0.60	55.39
1890.	0.83	2.80	3.74	1.96	4.16	2.37	11.23	5.83	3.11	3.91	0.06	3.57	43.57
1891.	3.96	5.10	7.25	2.98	9.24	4.12	10.99	10.42	1.76	2.64	3.71	1.24	63.41
1892.	6.87	3.59	3.29	5.57	3.10	4.84	4.18	4.42	1.98	0.53	2.92	3.72	45.01
1893.	3.70	6.17	1.59	1.40	5.80	4.15	3.79	7.80	3.20	5.57	1.97	4.38	49.52
1894.	4.66	3.83	2.14	1.74	7.51	1.75	6.33	6.15	5.00	7.08	1.59	2.46	50.24
1895.	7.44	2.66	6.09	7.95	3.46	3.79	7.08	3.99	0.38	2.82	2.84	2.62	51.12
1896.	2.87	6.73	3.26	1.50	6.53	3.41	5.23	4.19	3.78	2.07	2.50	1.84	43.91
1897.	2.23	4.42	4.82	4.66	2.85	3.44	4.90	1.94	0.70	2.62	3.43	2.56	38.57
1898.	1.81	0.42	4.16	3.05	7.46	3.28	6.48	5.13	3.95	3.00	2.73	1.88	43.35
1899.	3.37	7.48	6.33	4.01	4.78	4.42	8.85	3.37	2.68	5.12	0.50	2.02	52.93
1900.	2.95	4.56	3.76	4.09	3.12	8.47	5.53	4.51	2.13	1.04	3.33	3.75	47.24
1901.	2.20	1.48	2.96	5.55	9.90	6.04	7.14	11.21	8.26	1.62	0.82	5.46	62.64
1902.	2.39	7.08	2.14	3.10	2.00	3.04	3.39	2.76	2.92	3.07	4.12	3.15	39.16
1903.	3.04	6.67	7.32	5.92	2.67	4.61	4.41	3.60	1.43	5.28	0.88	2.21	48.04
1904.	2.80	4.22	3.55	0.29	2.76	6.64	3.48	5.51	5.23	2.70	5.13	3.02	45.33
1905.	2.37	6.05	3.39	5.03	7.76	1.72	7.65	7.33	1.43	2.05	0.66	6.52	51.96
1906.	3.67	3.74	5.35	0.73	1.73	4.96	5.35	8.28	3.29	2.63	0.69	2.92	43.34
1907.	1.23	4.26	3.38	3.63	4.75	6.73	1.42	2.96	6.13	0.22	5.29	7.78	47.78
1908.	4.26	3.66	5.58	2.56	2.03	6.20	6.14	13.63	3.70	3.76	1.47	3.64	56.63
M'ns	3.12	4.24	4.19	3.41	4.57	4.57	5.43	6.14	3.71	3.12	2.42	3.18	48.10

RAMSEUR, RANDOLPH COUNTY: ELEVATION 442 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1889.	......	......	......	.....	......	3.75	10.00	6.25	4.12	3.00	5.50	0.50	......
1890.	1.80	4.25	**2.80**	**2.20**	6.50	3.62	6.50	4.25	6.25	6.25	0.25	6.75	51.52
1891.	9.62	**5.80**	10.50	**2.70**	7.50	3.25	8.00	6.88	2.00	0.50	3.50	**2.30**	62.55
1892.	**6.00**	**3.10**	**2.80**	2.24	4.24	6.65	2.37	5.88	3.71	0.99	4.51	2.31	44.90
1893.	2.33	6.03	1.43	2.20	4.43	5.88	3.46	6.89	6.11	6.89	2.02	2.74	50.41
1894.	3.90	4.01	1.76	1.53	2.56	1.71	4.91	2.59	5.09	7.36	2.18	3.22	40.82
1895.	6.19	1.81	4.86	7.49	3.08	3.54	5.20	5.54	0.28	1.97	2.71	5.49	48.16
1896.	2.57	6.30	2.76	1.45	5.10	5.52	10.19	1.44	8.11	1.47	4.39	1.80	51.10
1897.	2.93	6.65	4.90	3.61	3.87	3.61	6.88	2.84	1.31	3.14	3.99	3.11	46.84
1898.	2.15	0.95	5.42	3.24	2.28	2.51	6.13	8.17	3.83	4.57	3.12	1.81	44.18
1899.	3.72	7.51	6.44	3.20	4.78	2.93	3.57	0.65	2.67	5.79	1.85	3.38	46.49
1900.	2.58	5.89	5.09	5.76	5.71	4.97	1.95	3.32	1.47	3.43	3.71	4.29	48.17
1901.	2.22	1.58	4.08	6.04	7.25	5.84	7.57	14.69	4.49	1.05	1.03	6.03	61.87
1902.	2.11	5.80	3.42	2.90	3.80	4.34	2.12	2.53	6.61	4.23	5.15	3.70	46.71
1903.	3.84	6.20	7.92	5.93	0.73	3.38	6.12	4.80	3.92	3.51	1.96	2.15	50.46
1904.	2.58	4.58	3.13	2.55	5.17	6.41	6.51	8.00	4.42	1.64	3.80	4.49	53.28
1905.	3.36	**4.10**	**2.00**	2.16	8.12	2.44	5.93	6.90	**1.80**	1.26	**0.60**	**7.90**	46.87
*													
1907.	**0.60**	**4.00**	**3.50**	4.14	5.15	5.60	2.49	2.90	6.38	0.65	5.44	6.82	47.67
1908.	5.44	3.84	3.21	3.66	1.31	5.96	6.68	10.00	4.71	3.37	1.93	3.06	53.17
M'ns	3.55	4.58	4.23	3.53	4.03	4.31	5.61	5.55	4.07	3.21	3.02	3.78	49.47

REIDSVILLE, BOCKINGHAM COUNTY; ELEVATION 828 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1885.	......	......	......	......	......	......	.....	......	......	2.90	8.40	0.10	......
1886.	1.75	0.24	0.69	1.62	6.57	8.88	4.06	1.11	0.13	0.55	1.26	1.86	28.72
1887.	0.94	.....	2.26	3.18	3.31	2.66	4.76	10.36	2.95	......	......	......	......
*													
1901.	......	......	......	......	......	......	......	......	......	......	0.89	5.73	......
1902.	2.07	4.54	4.58	2.33	2.81	5.85	1.60	2.45	2.32	4.43	2.73	4.49	39.20
1903.	4.38	6.59	6.56	5.01	1.86	8.39	3.41	2.60	3.45	2.24	2.10	2.03	48.62
1904.	2.39	2.85	3.16	1.45	3.26	5.97	3.62	4.83	4.68	0.92	1.65	3.51	38.29
1905.	3.14	4.78	1.89	4.59	8.20	2.43	7.28	5.42	0.99	2.28	0.51	7.50	49.01
1906.	6.68	2.02	4.37	1.78	4.08	6.47	14.27	8.18	1.50	3.59	0.53	2.88	56.35
1907.	0.34	2.54	2.40	5.00	1.69	7.70	4.55	4.12	6.19	1.10	5.51	5.11	46.25
1908.	4.18	3.83	3.74	1.15	3.71	5.04	3.63	10.30	2.54	4.39	2.12	4.60	49.23
M'ns	3.32	3.92	3.29	2.90	3.94	5.82	5.24	5.50	3.19	2.39	2.57	3.88	45.96

ROCKINGHAM, RICHMOND COUNTY; ELEVATION 210 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1892.	......	......	......	.....	......	......	...	......	1.21	0.37	2.56	3.17	....
1893.	1.58	5.61	1.70	2.00	4.80	4.04	7.51	10.16	2.63	3.83	2.44	4.61	50.91
1894.	3.42	2.60	1.25	0.90	4.26	3.60	7.76	8.88	6.55	6.45	2.45	2.95	51.07
1895.	9.35	2.37	6.77	7.35	2.58	4.18	4.84	6.37	3.29	2.61	2.62	6.19	58.52
1896.	1.12	5.90	1.88	2.31	3.75	6.24	9.82	4.42	6.36	1.90	3.94	2.29	49.93
1897.	1.40	6.55	4.81	2.67	2.40	5.09	4.98	2.98	0.70	3.89	0.82	3.41	39.70
1898.	2.44	1.12	3.26	4.07	3.04	4.26	9.47	7.69	2.33	2.41	4.21	1.55	45.85
1899.	4.57	9.80	6.24	3.51	4.56	4.29	4.04	1.20	5.82	8.55	2.20	2.89	57.67
1900.	1.94	5.73	2.92	5.11	3.25	8.88	2.03	1.16	1.50	0.77	3.48	5.42	42.19
1901.	2.18	1.68	3.98	4.61	10.55	11.12	9.41	12.45	7.41	0.43	0.80	5.45	70.07
1902.	3.31	6.47	2.96	1.67	4.33	2.32	2.63	8.61	5.14	2.22	5.51	2.74	47.91
1903.	2.91	8.42	3.44	5.12	0.44	5.60	6.75	6.13	1.51	5.21	0.50	3.01	49.04
1904.	2.86	3.52	2.13	**1.00**	2.13	8.77	7.55	**10.10**	**8.00**	4.80	4.60	2.38	55.84
1905.	1.59	......	......	......	......	......	......	......	......	. .	0.40	7.27	......
1906.	3.22	1.88	5.49	2.20	2.30	6.15	9.61	6.03	2.85	**3.80**	0.55	**3.30**	47.38
1907.	0.55	5.10	2.35	**4.00**	5.75	**9.90**	**4.20**	2.89	6.93	0.40	5.15	5.80	53.02
1908.	4.95	**5.20**	5.72	**3.80**	**3.60**	**5.90**	5.41	14.38	3.10	6.75	1.48	4.60	64.89
M'ns	2.96	4.80	3.59	3.35	6.62	6.02	6.40	6.90	3.96	3.40	2.56	3.94	54.50

ROXBORO, PERSON COUNTY; ELEVATION 600 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1892.	......	......	......	.....	......	......	......	......	2.86	0.64	3.39	2.64	......
1893.	2.27	7.12	0.97	1.65	6.69	3.21	3.79	8.52	4.75	7.28	1.47	3.55	51.27
1894.	4.39	4.63	2.07	2.06	5.20	1.72	6.91	4.74	6.79	5.29	2.44	2.69	48.93
1895.	6.26	1.60	4.57	6.12	3.77	3.73	4.35	2.33	**1.00**	2.37	3.33	2.55	41.98
1896.	2.96	5.15	2.10	2.79	4.30	4.28	12.56	0.80	5.79	0.36	3.65	2.01	46.75

* No record for missing years.

ROXBORO—Continued.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1897.	2.27	5.92	5.57	1.92	4.61	3.35	4.10	2.49	1.10	3.55	2.82	3.34	41.04
1898.	2.15	1.05	3.55	2.51	7.91	5.68	5.49	4.53	2.38	3.69	2.80	3.00	44.84
1899.	4.80	5.82	5.77	1.88	3.85	5.30	6.22	1.44	2.16	6.03	1.44	2.49	47.20
1900.	2.47	5.59	4.31	6.24	2.62	1.98	6.72	0.81	1.52	2.68	2.79	3.08	40.81
1901.	2.20	1.08	3.83	6.15	9.21	1.88	5.72	11.93	5.50	1.31	1.73	5.58	56.12
1902.	1.85	6.51	3.80	3.09	3.97	3.14	2.50	2.46	5.29	4.63	3.84	3.36	44.44
1903.	4.00	6.06	8.18	6.51	3.59	4.53	2.97	4.50	3.43	3.14	1.79	1.70	50.40
M'ns	3.24	4.59	4.07	3.72	5.07	3.53	5.58	4.05	3.55	3.75	2.63	3.00	46.78

SALEM, FORSYTH COUNTY; ELEVATION 1,000 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1886.	......	......	......	......	......	......	......	......	......	....	......	3.54	......
1887.	2.30	3.70	3.70	2.90	5.10	3.70	......	......	......	......	......	4.70	......
1888.	5.77	6.42	6.33	1.55	6.87	......	......	....	......	......	......	4.11	......
*													
1895.	......	......	......	......	......	......	......	......	......	......	2.25	4.32	......
1896.	1.98	6.20	2.33	2.11	1.34	6.96	6.45	1.30	5.79	1.34	3.78	1.72	41.30
1897.	2.99	5.52	6.37	4.19	3.03	2.77	4.71	4.14	0.60	2.29	4.41	2.50	43.52
1898.	2.20	0.79	3.83	3.52	3.69	2.39	5.89	5.16	4.28	5.69	2.63	3.94	44.01
1899.	4.91	8.30	9.25	2.25	2.51	3.08	6.73	2.24	1.87	3.02	1.00	2.23	47.39
1900.	4.18	6.20	4.80	3.02	2.57	3.88	2.90	2.78	3.78	3.12	3.13	3.80	44.16
1901.	2.31	2.12	4.83	6.11	5.70	5.99	7.75	9.51	2.82	0.80	1.15	5.57	54.66
1902.	2.15	6.50	4.59	2.20	1.67	5.60	3.36	3.67	3.26	5.05	4.64	4.80	47.49
1903.	4.15	8.76	6.63	3.98	1.00	7.75	2.79	2.90	2.88	2.30	2.15	1.87	47.16
1904.	1.80	3.88	3.96	1.42	4.95	6.15	6.83	6.53	2.15	0.44	2.66	3.73	44.60
1905.	3.04	5.71	1.65	3.24	6.50	1.50	8.60	6.65	0.60	2.00	0.50	6.60	46.59
1906.	8.40	1.59	3.74	1.76	2.81	9.77	8.10	12.92	2.67	3.29	0.39	4.17	57.61
1907.	0.32	2.47	3.28	5.10	3.19	5.94	2.25	3.39	3.45	1.46	5.26	5.06	41.17
1908.	4.27	4.18	4.16	3.30	3.59	4.79	6.60	10.46	4.41	4.08	1.92	4.95	56.71
M'ns	3.26	4.82	4.63	3.11	3.63	5.02	5.61	5.51	2.97	2.68	2.56	3.98	47.78

SAXON, STOKES COUNTY; ELEVATION 900 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1891.	......	.....	......	....	......	......	......	......	1.41	1.14	2.85	2.84	......
1892.	5.65	2.10	3.55	3.61	3.42	7.72	4.48	4.81	3.63	0.90	5.43	1.85	47.15
1893.	2.25	7.10	1.55	3.06	7.72	7.68	1.95	10.87	6.80	6.83	1.76	1.30	58.87
1894.	3.34	5.87	0.97	2.20	3.10	1.40	1.18	2.98	2.06	3.89	1.29	3.20	31.48
1895.	5.75	1.65	4.00	4.16	4.57	3.28	5.00	4.23	2.56	1.58	2.38	3.84	43.00
1896.	1.92	4.55	2.98	1.84	4.26	6.81	10.44	1.98	8.80	0.62	5.29	0.58	50.07
1897	1.75	6.28	4.84	3.26	6.96	3.03	3.39	3.53	0.95	2.92	4.43	2.72	44.06
1898.	2.35	0.45	3.06	3.00	4.62	4.35	5.44	4.64	5.92	5.61	2.31	2.53	44.28
1899.	5.78	7.73	9.86	2.18	3.59	5.15	4.41	1.35	4.08	2.36	0.74	1.84	49.07
1900.	3.39	6.47	2.70	3.35	2.60	7.81	5.77	0.91	3.18	3.60	2.76	3.67	41.21
1901.	2.75	1.17	3.78	5.42	8.01	4.68	6.79	15.62	3.85	1.25	1.39	7.47	62.18
1902.	2.37	3.98	3.87	2.04	1.94	6.15	1.50	2.58	3.33	5.56	4.62	4.07	42.01
1903.	4.64	7.83	6.75	4.70	1.85	8.24	3.12	4.53	1.53	1.55	2.70	2.17	49.61
1904.	1.86	2.46	3.25	1.75	3.45	4.89	4.27	4.62	1.57	0.33	1.98	3.57	34.00
1905.	2.98	4.54	2.08	5.34	7.25	1.30	6.44	7.06	2.33	2.15	0.32	7.48	49.27
1906.	5.93	1.69	3.58	1.60	1.80	9.38	5.90	7.93	2.18	6.03	0.86	3.56	50.44
1907.	0.21	1.55	2.41	3.36	2.20	8.30	4.47	3.01	2.15	0.90	5.07	4.84	38.47
1908.	4.27	4.26	2.90	3.51	2.17	5.46	2.73	7.22	2.76	4.36	1.45	5.07	46.17
M'ns	3.36	4.10	3.65	3.20	4.09	5.63	4.31	5.17	3.28	2.87	2.65	3.48	45.79

SELMA, JOHNSTON COUNTY; ELEVATION 225 FEET.

Values from 1889 to January, 1894, inclusive, for Smithfield, four miles distant.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1889.	.....	......	......	......	.....	......	......	5.60	3.80	2.00	3.00	......	......
1890.	.....	......	......	......	......	......	10.05	5.40	2.45	4.10	0.20	3.60	......
1891.	3.20	3.50	7.80	2.30	7.35	3.80	8.85	16.30	3.20	3.45	3.50	2.00	65.25
1892.	5.80	2.65	2.75	3.00	3.85	7.00	3.35	2.30	3.66	0.37	2.83	4.14	41.80
1893.	2.09	4.14	1.98	2.33	6.30	10.12	3.36	5.03	3.30	5.17	2.05	4.35	50.22
1894.	2.20	3.56	2.95	1.10	5.34	0.70	10.19	13.71	7.53	6.40	1.10	1.80	56.78
1895.	5.68	3.10	7.37	8.66	3.75	2.76	4.38	6.26	0.25	2.50	3.90	3.15	51.76
1896.	2.80	7.10	2.23	2.58	3.90	2.52	3.23	1.80	1.60	2.25	3.05	4.75	38.01
1897.	2.20	6.55	8.27	4.45	3.27	1.92	6.45	7.35	0.25	0.55	3.25	2.85	47.36
1898.	1.68	0.50	3.20	4.50	2.40	3.77	9.15	7.79	3.20	4.90	3.36	4.10	48.55
1899.	5.67	6.30	6.50	3.80	3.60	3.90	12.15	5.55	3.40	4.90	1.60	1.35	58.72
1900.	3.30	4.30	5.50	3.65	2.45	2.25	3.33	1.80	2.42	0.47	4.00	4.53	38.00
1901.	2.08	1.97	3.35	5.07	5.97	6.42	9.10	6.16	8.01	2.04	0.86	4.49	55.52
1902.	3.80	7.10	3.03	4.40	1.72	3.12	3.05	4.17	3.30	2.75	2.35	3.35	42.14
1903.	5.31	5.65	4.38	7.19	2.67	5.19	2.64	3.35	3.06	7.23	1.60	2.70	50.97
1904.	3.85	3.58	4.38	1.30	4.22	4.35	8.93	4.82	4.40	3.10	5.35	3.82	52.10
1905.	3.30	7.80	4.35	4.50	10.09	5.68	7.00	7.80	4.70	2.28	0.75	5.90	61.15
1906.	4.20	3.55	5.80	1.10	3.50	4.21	17.15	9.09	2.80	2.30	1.65	3.00	58.45
1907.	1.13	7.95	3.00	2.65	5.92	8.22	5.34	6.35	3.82	0.22	6.74	5.65	57.01
1908.	.....	.....	......	..	......	......	6.20	10.41	1.60	2.85	.....	......	......
M'ns	3.44	4.66	4.52	3.68	4.48	4.47	7.05	6.55	3.35	2.99	2.69	3.64	51.52

SLOAN, DUPLIN COUNTY; ELEVATION 50 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1893	2.80	3.30	3.09	1.51	8.27	5.33	6.99	11.79	2.40	4.81	2.87	4.64	57.80
1894.	4.79	4.86	4.33	0.65	3.49	5.25	8.43	11.54	6.08	7.98	2.57	1.42	61.39
1895	6.05	3.36	6.18	8.04	3.45	2.74	5.08	8.79	2.49	2.71	2.83	2.09	53.81
1896.	3.08	6.42	2.10	3.65	3.46	2.92	9.51	1.95	3.82	3.64	4.22	4.53	49.30
1897	1.31	6.18	4.16	2.39	3.84	5.74	2.07	3.18	2.04	5.35	1.96	3.06	41.28
1898.	2.40	1.22	4.48	4.82	2.12	7.32	4.77	7.52	1.42	6.23	4.11	3.31	49.72
1899.	3.92	8.20	3.80	7.19	4.98	7.93	11.16	8.22	0.70	2.96	1.62	2.70	63.38
1900.	6.21	3.73	2.95	4.52	1.76	5.29	2.56	7.26	2.20	3.07	5.07	6.35	50.97
1901.	3.09	4.39	5.29	2.56	9.40	6.00	12.82	7.42	7.20	1.57	1.98	5.09	66.81
1902.	3.51	5.38	3.08	2.02	1.03	3.10	3.73	6.11	2.69	6.04	7.28	3.51	47.48
1903.	4.58	4.31	6.21	3.27	2.62	4.68	8.74	11.16	1.57	3.02	1.54	1.89	53.59
1904	2.66	4.08	3.79	1.48	3.39	2.82	6.77	5.06	5.13	2.16	1.59	2.74	41.67

* No record for missing years.

SLOAN—Continued.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1905.	2.72	5.23	2.82	4.82	8.75	1.41	7.94	3.05	6.67	4.98	1.33	6.01	55.73
1906.	3.95	5.02	7.94	1.15	3.48	5.44	9.92	10.11	4.87	5.14	1.13	3.87	62.02
1907.	0.95	4.01	1.63	4.44	6.45	7.34	5.76	3.99	4.95	0.31	3.05	3.80	46.68
1908.	5.26	4.27	5.99	1.81	9.13	4.67	13.90	8.05	1.55	4.60	1.91	3.04	64.18
M'ns	3.58	4.62	4.24	3.40	4.73	4.89	7.51	7.20	3.49	4.04	2.82	3.63	54.15

SOUTHERN PINES, MOORE COUNTY; ELEVATION 519 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1889.	5.50	3.65	3.65	5.56	5.00	3.90	9.00	8.50	2.50	4.00	4.20	1.00	56.46
*													
1891.	3.70	5.70	7.18	1.26	11.08	3.70	7.32	10.58	0.68	2.11	2.86	1.26	54.43
1892.	7.01	3.20	3.35	3.62	5.27	4.96	10.83	5.05	1.78	0.34	2.80	4.05	52.26
1893.	2.75	7.10	1.70	2.10	3.90	7.10	7.06	5.12	3.71	5.81	1.40	5.84	53.59
1894.	3.33	2.74	1.44	1.90	2.94	2.85	10.48	7.13	5.75	6.97	1.07	2.40	49.00
1895.	7.60	2.39	8.78	6.83	2.07	4.79	4.93	5.99	0.11	1.87	0.55	3.54	49.45
1896.	3.02	2.13	0.90	0.50	3.40	5.80	7.80	2.00	5.00	3.10	4.89	2.98	40.62
1897.	1.39	6.79	4.50	4.07	2.52	4.83	7.96	4.01	0.83	1.87	3.25	2.18	44.20
1898.	1.89	1.37	3.77	4.39	3.12	3.52	8.46	7.44	2.88	5.62	4.15	1.82	48.43
1899.	3.79	9.33	6.93	3.97	3.02	6.92	10.65	1.76	4.84	7.78	2.86	2.28	64.13
1900.	1.63	5.94	4.38	4.77	3.33	5.02	2.56	3.88	1.97	1.02	4.38	5.78	44.66
1901.	3.17	1.81	5.35	5.73	8.88	5.59	13.23	13.43	9.59	0.46	1.93	4.86	74.03
1902.	3.38	5.64	2.81	3.23	2.57	2.89	4.18	3.57	5.74	2.92	4.40	2.97	44.30
1903.	3.21	6.34	5.05	4.87	0.86	8.13	2.62	3.58	1.60	4.11	0.45	3.08	43.90
1904.	3.78	4.40	2.75	1.11	2.59	3.83	9.33	10.36	5.73	3.40	4.94	3.80	56.02
1905.	2.58	6.43	2.91	6.30	10.30	1.74	7.74	13.96	2.61	1.71	0.49	7.58	64.35
1906.	4.01	2.69	5.24	1.72	3.06	6.78	9.12	11.39	1.53	6.32	0.65	3.78	56.29
1907.	0.46	5.18	2.39	2.75	5.44	9.53	4.62	3.21	4.34	0.15	5.60	6.35	50.02
1908.	3.83	4.13	6.90	3.16	2.70	5.60	8.80	12.26	3.52	2.53	1.30	3.00	57.83
M'ns	3.48	4.58	4.21	3.57	4.32	5.13	7.73	7.01	3.41	3.22	2.75	3.61	53.02

SOUTHPORT, BRUNSWICK COUNTY; ELEVATION 18 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1875.	......	....	......	......	......	.....	......	.....	....	.....	2.74	2.41	......
1876.	0.44	3.07	5.66	2.70	3.95	3.28	4.85	6.36	9.91	8.89	1.98	5.14	56.23
1877.	2.98	2.77	5.73	5.18	2.55	5.19	4.51	3.78	11.87	6.84	6.56	7.05	65.01
1878.	6.90	3.36	0.87	2.13	4.30	5.61	6.97	6.05	7.86	8.29	2.04	2.50	56.88
1879.	2.13	4.76	1.70	3.59	3.82	1.75	10.21	6.12	6.71	3.02	3.18	2.09	49.08
1880.	5.05	4.59	2.81	3.49	1.36	2.05	5.69	7.49	3.33	6.62	4.77	2.88	50.13
1881.	6.05	2.31	3.92	4.76	2.25	0.52	10.65	3.49	4.42	2.83	4.24	5.19	50.64
1882.	3.36	1.64	7.81	1.63	1.17	2.76	4.04	8.33	2.26	9.45	2.50	3.32	48.27
1883.	5.63	2.33	6.13	5.45	3.60	6.95	2.20	2.58	8.69	1.19	0.35	1.57	46.67
1884.	3.44	2.88	2.80	2.37	1.42	2.31	7.32	5.38	3.11	0.23	1.81	2.93	36.00
1885.	3.64	1.70	2.18	1.91	6.10	2.35	2.31	5.92	6.94	7.18	4.33	3.51	48.07
1886.	2.14	2.16	5.46	3.10	1.46	3.68	11.99	3.36	0.52	1.16	0.76	3.14	38.93
1887.	3.00	1.83	0.82	2.27	4.93	9.74	7.61	12.53	1.28	4.08	3.68	7.78	59.55
1888.	2.76	6.25	7.05	1.41	3.46	2.33	3.72	9.25	8.14	6.98	6.30	3.20	60.85
1889.	6.18	3.11	5.01	2.04	3.04	6.62	6.22	3.71	1.80	4.98	2.18	0.10	44.99
1890.	0.89	1.76	1.53	1.86	4.75	2.23	12.05	3.52	8.36	2.66	0.13	1.34	41.08
1891.	5.38	1.87	4.83	1.73	2.24	4.35	7.05	7.46	5.04	6.40	2.08	1.15	49.58
1892.	6.44	2.96	3.72	0.80	3.39	4.52	6.31	1.91	4.68	0.98	1.56	2.24	39.51
1893.	3.12	4.95	4.85	1.39	5.72	5.76	6.79	5.92	4.79	4.94	2.00	3.79	54.02
1894	4.31	6.02	2.33	0.84	1.90	3.84	7.33	4.84	5.50	6.30	3.59	0.72	47.52
1895.	5.76	3.54	4.47	6.53	6.86	1.82	9.03	6.40	3.39	1.91	3.90	2.28	55.89
1896.	4.42	5.67	2.66	0.90	0.52	7.02	7.46	2.02	2.99	2.72	4.07	4.14	44.59
1897.	2.07	5.44	2.65	1.82	3.11	3.16	3.62	5.88	6.14	4.49	1.93	6.27	46.58
1898.	1.54	2.42	1.94	4.23	0.76	3.24	13.76	7.67	1.70	11.82	5.32	2.60	57.00
1899.	4.37	4.89	1.81	8.92	2.51	4.41	7.47	5.19	0.55	5.91	0.64	2.31	48.08
1900.	5.66	3.75	3.92	3.90	3.03	6.26	1.11	2.83	1.41	4.10	4.76	5.00	45.73
1901.	3.72	4.18	4.98	3.48	6.11	4.51	8.51	6.67	4.87	3.80	1.12	7.18	59.13
1902.	1.72	5.01	5.25	1.15	2.32	4.23	1.55	2.33	2.05	1.93	3.50	6.38	38.32
1903.	4.35	3.24	6.33	2.40	2.66	7.04	1.43	5.72	1.25	3.46	2.01	2.97	42.86
1904.	3.07	3.11	4.11	1.69	2.48	3.03	7.27	11.20	1.60	1.80	2.51	2.35	45.12
1905.	2.05	7.26	3.20	4.95	3.97	3.46	7.82	4.20	2.19	3.55	1.22	11.93	55.80
1906.	4.80	5.53	5.03	0.84	3.76	8.12	12.83	4.60	3.54	8.02	1.40	4.10	62.57
1907.	2.35	1.97	0.67	4.79	6.02	10.24	5.67	7.94	9.10	1.38	2.85	2.65	55.63
1908.	3.84	4.92	5.08	2.31	4.70	1.86	7.43	5.00	1.03	9.63	2.31	2.07	50.18
M'ns	3.77	3.67	4.01	2.93	3.34	4.34	6.75	5.63	4.48	4.77	2.78	3.66	50.13

WILMINGTON, NEW HANOVER COUNTY; ELEVATION 78 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1871.	2.22	3.05	6.55	3.67	6.87	4.26	2.82	8.29	2.26	3.02	4.46	3.90	51.37
1872.	3.62	5.20	6.42	0.97	4.89	2.87	5.54	11.15	8.22	2.83	3.37	4.10	59.18
1873.	4.13	5.55	1.68	1.75	8.63	3.60	4.93	7.42	9.97	2.84	3.18	4.69	58.37
1874.	5.14	6.54	3.72	2.88	5.07	2.89	5.83	4.04	9.35	3.38	0.91	2.67	52.42
1875.	5.52	1.97	4.55	3.92	2.84	11.67	1.95	7.44	2.23	2.53	1.77	3.20	40.59
1876.	0.52	3.04	4.54	2.82	3.44	12.44	7.62	8.55	9.41	7.22	1.65	5.48	66.73
1877.	2.37	1.65	4.52	6.61	2.36	7.48	9.35	10.46	20.10	6.68	4.94	7.13	83.65
1878.	7.52	4.07	2.33	2.41	4.80	4.33	3.11	7.37	7.34	5.51	2.39	3.62	54.83
1879.	2.12	3.71	2.06	5.33	5.06	3.35	4.67	11.37	6.18	2.60	2.48	2.21	51.14
1880.	3.55	2.85	1.93	3.52	1.84	6.93	9.20	8.79	1.20	5.28	5.30	1.52	51.91
1881	5.06	2.80	5.14	3.47	2.11	3.48	12.40	4.99	3.50	1.48	2.95	3.64	51.02
1882.	1.96	1.92	7.09	2.27	1.40	2.06	8.89	8.09	3.34	7.57	2.78	4.02	52.20
1883.	6.33	2.09	5.78	5.01	4.75	10.84	4.71	5.19	16.53	1.09	0.42	1.22	64.00
1884.	5.22	3.80	6.07	2.45	3.70	7.91	8.29	9.58	9.34	0.63	1.96	3.72	62.70
1885.	5.18	2.52	2.05	3.05	8.58	8.21	4.04	5.87	5.69	8.73	2.67	3.83	60.42
1886.	3.90	2.15	5.60	3.26	1.18	8.81	21.12	4.38	1.34	0.48	0.19	4.02	56.43
1887.	3.30	1.61	1.48	3.96	5.62	6.41	6.77	9.88	0.46	6.53	1.04	4.41	51.47
1888.	2.21	6.22	4.71	1.10	4.41	3.56	5.87	4.61	8.28	5.65	5.50	2.92	55.07
1889.	6.85	4.66	5.57	2.13	4.24	6.03	11.10	7.81	3.18	3.87	3.72	0.15	50.31
1890.	1.59	1.25	1.50	2.73	5.26	3.26	8.22	6.48	8.19	1.88	0.36	0.61	41.33
1891.	4.46	1.54	5.15	1.15	1.03	3.47	6.21	11.96	4.61	6.01	1.46	0.95	48.00
1892.	4.91	3.65	2.69	1.13	1.64	6.13	10.26	4.38	5.90	0.57	0.59	1.03	42.88
1893.	2.26	2.94	2.40	1.02	5.01	5.58	4.23	8.01	3.06	3.26	1.71	3.27	42.75
1894.	3.70	3.53	2.27	0.78	4.86	3.06	9.08	4.23	6.34	4.58	1.97	0.78	45.18
1895	4.80	2.38	2.94	6.56	4.37	2.97	4.82	6.52	4.46	1.67	3.38	1.40	46.27
1896.	2.45	4.71	1.98	0.64	3.13	5.37	5.72	2.48	3.10	4.08	3.52	3.21	40.42

* No record for missing years.

WILMINGTON—Continued.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1897.	1.76	6.26	1.23	2.17	2.49	3.88	4.50	3.50	1.54	4.44	1.53	4.38	37.68
1898.	1.40	3.27	1.52	2.40	2.51	4.59	7.03	5.93	1.28	7.56	2.67	2.40	42.56
1899.	2.40	3.94	1.01	4.50	4.12	4.95	8.05	5.79	0.12	2.69	1.09	1.41	40.07
1900.	6.24	2.69	2.48	1.85	3.32	4.59	1.08	1.90	2.38	4.20	3.66	5.69	40.08
1901.	2.48	3.21	3.98	2.00	6.18	7.27	8.25	6.82	5.38	2.69	1.16	4.72	54.14
1902.	1.39	3.29	3.61	1.62	2.33	3.17	2.98	2.35	3.57	3.18	5.83	3.26	34.58
1903.	3.43	3.54	3.32	2.05	2.90	8.63	3.00	14.35	1.16	2.46	1.03	2.35	48.22
1904.	3.24	2.19	4.33	1.44	2.68	3.74	6.11	6.77	1.75	1.26	1.64	1.74	36.89
1905.	1.80	5.44	3.19	4.80	5.76	1.73	7.42	2.93	2.25	3.80	0.78	5.51	45.41
1906.	3.26	2.89	4.48	0.49	3.60	9.17	7.64	4.64	3.41	4.75	1.29	3.37	48.99
1907.	0.92	2.64	1.40	4.29	5.52	9.83	6.40	10.17	6.01	0.27	2.49	2.31	52.25
1908.	2.92	5.68	4.71	2.08	2.80	5.39	9.40	9.52	1.45	5.74	2.07	2.22	53.98
M'ns	3.48	3.43	3.58	2.74	3.98	5.65	6.81	6.95	5.10	3.76	2.31	3.08	50.88

MEAN TEMPERATURES.

Stations	Length of record, y'rs	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Chapel Hill	25	39.8	43.0	49.2	58.8	68.0	75.6	78.7	77.0	71.5	59.9	49.9	42.2	59.5
Fayetteville	13	43.1	43.4	54.4	60.3	70.1	76.2	79.1	77.7	72.0	62.0	51.8	43.7	61.2
Goldsboro	12	42.3	44.6	52.3	60.4	69.5	76.9	79.8	78.3	72.8	61.5	51.2	43.8	61.1
Greensboro	15	39.9	40.8	50.3	57.8	68.2	75.0	78.1	76.6	71.0	60.2	48.6	40.9	59.0
Kinston	8	43.0	43.5	54.6	59.0	70.0	76.4	80.8	79.5	73.2	62.4	51.1	43.9	61.4
Lumberton	15	42.9	41.2	54.2	61.3	70.8	77.2	80.3	78.9	72.9	61.7	52.0	44.1	61.5
Mocksville	10	39.6	40.0	50.7	55.5	67.9	73.9	77.7	76.8	71.4	60.2	50.4	41.5	58.8
Moncure	13	40.9	40.0	52.6	58.0	68.8	75.3	78.8	77.6	71.9	59.9	50.2	41.8	59.6
Mt. Airy	19	36.7	37.9	46.4	54.9	64.6	71.7	75.2	73.8	68.2	56.1	46.4	38.7	55.9
Oakridge	12	37.9	39.6	47.4	56.6	66.7	74.3	76.7	76.0	69.7	57.9	47.9	40.0	57.6
Pittsboro	17	39.1	40.0	48.8	57.2	66.8	74.4	77.4	75.9	70.6	58.3	48.9	41.5	58.3
Raleigh	22	40.4	43.3	50.4	59.0	68.1	75.1	78.5	76.8	70.6	60.5	50.2	42.7	59.9
Ramseur	16	37.6	38.7	48.9	56.4	66.4	73.5	76.8	74.9	69.1	56.8	46.9	40.0	57.2
Reidsville	7	36.1	37.7	49.6	55.5	66.5	72.2	76.2	75.7	70.6	57.6	47.7	38.6	57.0
Rockingham	15	42.4	42.9	55.0	61.1	71.1	77.3	80.1	79.5	73.9	61.6	51.8	44.0	61.7
Roxboro	10	37.0	38.2	49.5	56.7	67.0	73.7	77.5	76.3	70.3	58.3	49.1	39.8	57.8
Salem	15	37.5	38.3	49.8	56.6	67.9	73.5	77.6	76.7	70.8	57.7	48.0	38.9	57.8
Saxon	16	37.0	37.4	49.5	55.6	72.4	73.1	76.5	75.5	63.8	57.1	46.9	39.0	57.0
Selma	17	40.8	41.6	51.4	58.9	68.9	77.0	79.7	78.2	72.3	60.4	50.8	42.4	60.2
Sloan	15	45.2	43.8	54.8	59.6	69.4	75.6	78.9	78.0	73.8	62.7	52.0	45.9	61.7
Southern Pines	18	43.4	44.8	54.4	61.3	71.0	77.2	79.4	78.6	73.9	62.2	53.0	45.6	62.1
Southport	29	47.2	48.8	53.9	65.7	71.1	74.1	80.4	79.7	76.9	65.8	56.7	49.2	64.0
Wilmington	38	46.7	48.3	54.8	61.3	70.1	76.6	79.6	78.8	74.0	64.0	55.0	48.3	63.2

HIGHEST TEMPERATURES.

Chapel Hill	25	80	76	92	97	98	104	107	105	102	92	85	78	107
Fayetteville	13	78	79	89	91	98	101	108	102	99	90	85	78	108
Goldsboro	12	78	78	96	93	104	102	101	105	98	89	82	83	105
Greensboro	15	78	75	93	92	97	100	101	101	101	90	81	74	101
Kinston	8	80	76	98	94	98	101	105	105	99	93	85	79	105
Lumberton	15	80	74	96	92	98	101	102	101	97	92	82	78	102
Mocksville	10	73	76	89	97	98	99	99	102	97	89	83	71	102
Moncure	13	80	76	94	94	96	100	106	101	98	90	81	74	106
Mt. Airy	19	75	71	90	94	95	98	103	98	98	89	78	73	103
Oakridge	12	70	71	75	88	96	100	99	101	99	87	60	69	101
Pittsboro	17	73	75	84	93	96	100	105	101	101	91	88	78	105
Raleigh	22	79	80	91	95	98	102	103	99	100	89	82	75	103
Ramseur	16	71	75	86	95	98	100	100	101	100	89	85	75	101
Reidsville	7	77	71	93	92	97	97	100	99	96	88	80	73	100
Rockingham	15	82	82	95	97	102	104	103	103	100	91	87	78	104
Roxboro	10	73	71	86	91	95	100	100	100	100	88	79	69	100
Salem	15	78	73	91	98	96	98	100	101	101	90	77	73	101
Saxon	16	77	73	93	97	99	102	103	105	100	90	80	75	105
Selma	17	79	77	94	94	99	102	105	105	102	90	83	75	105
Sloan	15	80	79	94	92	97	101	100	102	99	92	86	79	102
Southern Pines	18	84	81	100	101	101	103	106	106	103	93	83	80	106
Southport	29	76	75	89	87	96	95	103	100	95	90	83	75	103
Wilmington	38	80	80	94	90	97	100	103	99	96	92	83	78	103

PREVAILING WIND DIRECTION.

Raleigh	22	n	sw	sw	sw	sw	sw	sw	sw	ne	n	n	n	sw
Wilmington	38	sw	sw	sw	sw	sw	sw	sw	sw	ne	ne	ne	ne*	sw

* sw also.

LOWEST TEMPERATURES.

Stations.	Length of record, y'rs	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Chapel Hill	25	—1	—6	13	26	29	41	52	52	35	26	13	6	—6
Fayetteville	13	9	—5	15	28	37	50	54	51	39	28	16	9	—5
Goldsboro	12	4	11	17	28	36	46	50	53	41	31	17	9	4
Greensboro	15	6	—3	14	26	33	48	54	52	40	26	17	7	—3
Kinston	8	10	9	16	28	37	49	58	55	40	27	14	8	8
Lumberton	15	6	1	18	26	37	49	55	53	35	28	15	13	1
Mocksville	10	1	—2	12	24	38	43	52	54	41	28	15	3	—2
Moncure	13	3	—3	17	23	29	45	53	50	36	26	13	9	—3
Mt. Airy	19	—15	—1	8	19	28	40	47	44	34	20	10	2	—15
Oakridge	12	—5	0	13	26	38	50	48	54	38	25	16	2	—5
Pittsboro	17	—5	—14	10	21	33	40	50	50	37	22	11	—4	—14
Raleigh	22	2	—2	16	28	38	46	54	52	39	31	17	9	—2
Ramseur	18	—9	—16	6	22	31	35	49	43	32	22	12	—5	—16
Reidsville	7	9	2	18	26	32	40	48	51	39	27	19	11	2
Rockingham	15	—2	—15	17	28	38	45	55	54	41	27	14	7	—15
Roxboro	10	0	—7	11	22	35	42	52	48	35	25	13	0	—7
Salem	15	3	0	9	26	31	45	49	49	38	24	14	2	0
Saxon	16	—8	—2	7	22	27	42	48	47	32	22	10	0	—8
Selma	17	—5	—6	13	26	36	46	49	52	39	29	16	5	—6
Sloan	15	5	1	14	27	38	45	55	51	38	28	14	11	1
Southern Pines	18	6	—4	15	25	37	48	50	52	40	25	13	5	—4
Southport	29	6	1	20	29	38	50	58	57	40	35	17	10	1
Wilmington	38	9	5	20	28	38	51	58	56	42	32	20	10	5

AVERAGE NUMBER OF DAYS WITH .01 INCH OR MORE OF PRECIPITATION.

Chapel Hill	20	7	9	10	7	10	9	10	9	6	5	5	7	100
Fayetteville	16	9	9	9	8	9	10	13	12	7	6	6	8	106
Goldsboro	12	8	9	10	9	11	10	13	13	8	7	6	8	112
Greensboro	15	8	9	10	8	11	11	11	10	6	7	6	8	105
Kinston	8	5	6	6	5	7	7	10	9	4	4	3	5	71
Lumberton	15	8	9	8	8	10	11	13	12	8	7	6	8	108
Mocksville	10	8	8	11	7	9	11	10	10	8	7	7	8	108
Moncure	13	8	8	10	8	9	9	12	10	6	6	5	9	100
Mt. Airy	19	6	7	8	7	9	11	11	10	6	4	5	6	90
Oakridge	17	9	11	12	10	8	13	11	8	8	7	7	9	113
Pittsboro	17	8	8	9	7	8	9	10	9	5	5	5	6	89
Raleigh	22	10	11	12	10	12	12	14	13	8	9	7	10	128
Ramseur	16	8	9	10	7	9	10	11	8	6	5	5	7	95
Reidsville	7	9	9	10	8	10	11	12	13	7	8	6	9	112
Rockingham	15	6	7	6	6	7	8	9	10	5	4	4	6	78
Roxboro	10	6	8	8	7	8	7	9	7	6	6	4	6	82
Salem	15	5	6	9	6	7	8	10	9	5	4	4	6	79
Saxon	16	7	7	8	7	9	10	10	9	7	6	5	7	92
Selma	17	7	8	9	7	9	8	11	10	5	5	5	6	90
Sloan	15	8	8	9	7	9	10	12	12	6	6	5	7	99
Southern Pines	18	7	8	8	7	8	9	11	10	6	5	4	6	89
Southport	29	10	9	9	8	9	10	12	12	8	8	8	9	111
Wilmington	38	11	11	11	9	10	12	14	15	9	8	8	10	128

FROST DATA.

Stations.	Length of record, y'rs	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Chapel Hill	25	October 30	April 8	October 1	April 21
Fayetteville	13	November 7	April 4	October 19	Arpil 21
Goldsboro	12	November 2	April 6	October 17	April 21
Greensboro	15	October 25	April 7	October 11	April 18
Kinston	8	October 29	April 7	October 12	April 21
Lumberton	15	October 31	April 6	October 10	April 28
Mocksville	10	October 31	April 11	October 19	April 24
Moncure	13	October 17	April 19	October 11	May 1
Mt. Airy	19	October 15	April 20	October 1	April 30
Oakridge	12	October 23	April 10	October 3	April 24
Pittsboro	17	October 16	April 11	October 10	April 24
Raleigh	22	November 3	April 4	October 8	May 6
Ramseur	16	October 17	April 16	October 1	May 6
Reidsville	7	October 22	April 15	October 3	May 10
Rockingham	15	October 31	April 8	October 2	April 24
Roxboro	10	October 24	April 10	October 1	April 24
Salem	15	October 17	April 21	October 11	May 10
Saxon	16	October 16	April 16	October 1	May 11
Selma	17	November 1	April 3	October 12	April 22
Sloan	15	November 2	April 6	October 10	April 22
Southern Pines	18	October 30	April 7	October 11	April 21
Southport	29	November 14	March 29	November 7	April 10
Wilmington	38	November 15	March 27	October 16	May 1

HYDROGRAPHIC DATA FOR SECTION 90.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY,

BY M. O. LEIGHTON, CHIEF HYDROGRAPHER.

Preliminary Note: Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section comprises that portion of North Carolina drained by the Neuse and Cape Fear rivers.

The Neuse River rises in the north central part of North Carolina, flows in a southeasterly direction, entering into Pamlico Sound. A considerable portion of the area drained is covered by forests. It crosses the fall line at Smithfield at an elevation of about 100 feet above sea level, and below this point there is practically no available power development. Above Smithfield the fall increases and in the headwaters there are numerous points at which power can be developed. The present power development in the Neuse River drainage, as estimated by the Census, is 10,810 horse powers.

Cape Fear River drains the southern half of the section and is formed by the junction of the Deep and Haw rivers, which streams are subject to sudden and violent floods which are a drawback to power development. The topography of the drainage areas of the upper tributaries is broken and the soil is very thin and underlain with slate, which accounts for the sudden fluctuations. Below the junction of the Deep and Haw, the stream flows through a sandhill belt which has a width of from 30 to 40 miles which conserves the water and greatly reduces the sudden rise and increases the low-water flow. The maximum power development in the drainage basin of Cape Fear River has been estimated at 80,000, of which the Census reports 27,470 as having been developed.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month for the entire period covered by the table. The remaining column is computed from the third column of mean monthly discharge and gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area.

MONTHLY DISCHARGE OF CAPE FEAR RIVER, FAYETTEVILLE, N. C., FOR PERIOD 1893 TO 1902.

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	18,334	2,126	5,872	1.30
February	25,842	1,735	11,499	2.56
March	17,042	3,303	8,274	1.84
April	15,646	2,207	6,812	1.52
May	11,502	2,159	3,963	.88
June	4,352	1,006	2,493	.56
July	10,827	965	3,660	.75
August	13,065	736	3,938	.89
September	9,341	664	2,919	.65
October	9,770	517	3,093	.69
November	3,779	1,258	2,251	.50
December	5,750	2,165	3,608	.80
The period	25,842	517	4,865	1.08

MONTHLY DISCHARGE OF NEUSE RIVER, SELMA, N. C., FOR 1897-1900.

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	2,002	661	1,154	.98
February	6,754	430	3,137	2.66
March	5,386	1,132	2,934	2.49
April	2,906	811	1,852	1.57
May	1,708	906	1,143	.94
June	868	555	655	.56
July	948	658	830	.70
August	1,310	232	678	.57
September	1,379	145	535	.45
October	721	126	368	.31
November	964	265	641	.54
December	1,300	436	794	.67
The period	6,754	126	1,226	1.04

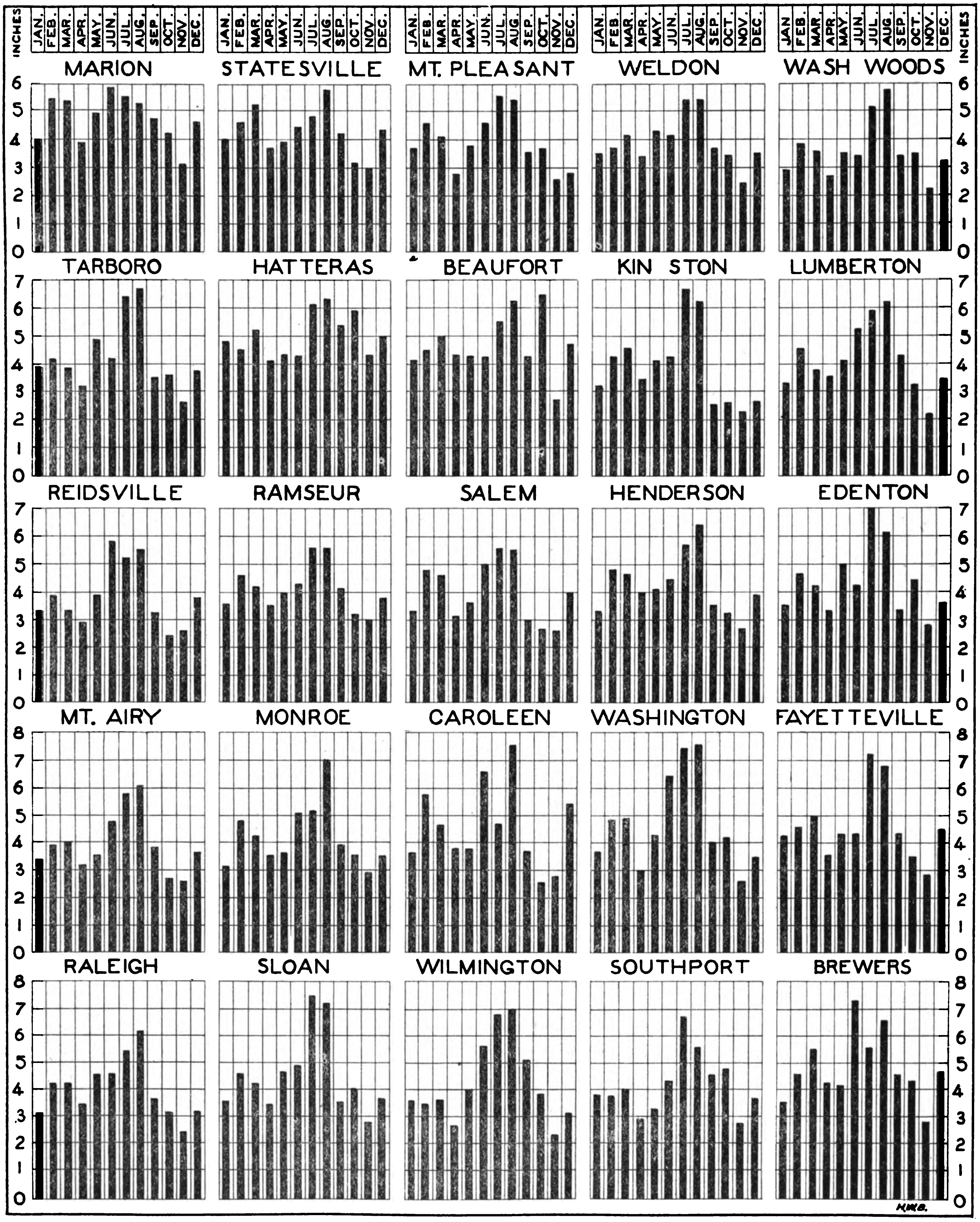

FIG. 1. Diagrams showing the comparative monthly distribution of precipitation for North Carolina.

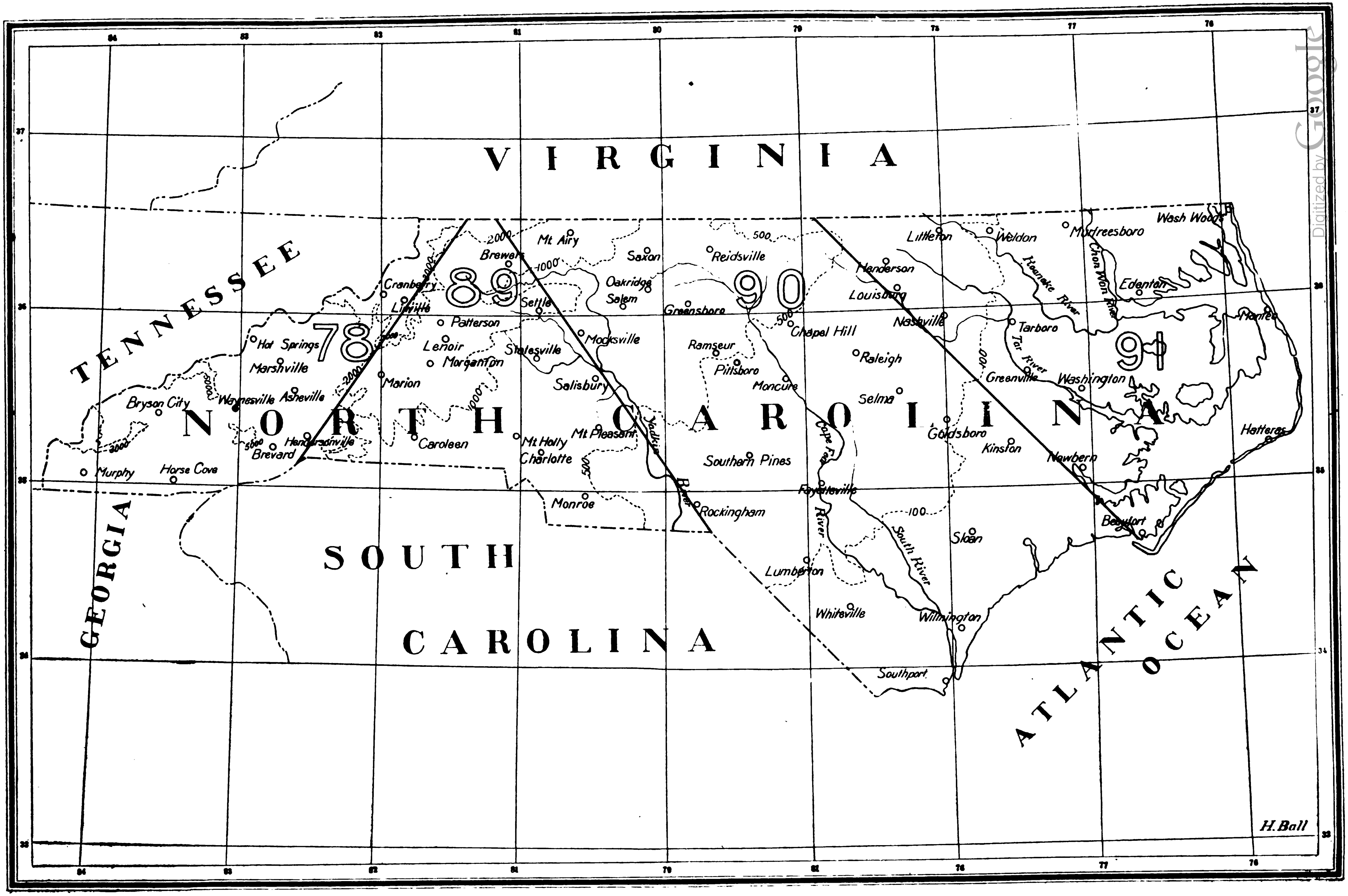

Fig. 2.—Chart showing principal points of observation, the drainage basins, and the general elevation of North Carolina.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 91.—NORTHEASTERN NORTH CAROLINA.

This section lies for the most part in the coastal plain, only a few counties in the extreme northwestern portion being in the Piedmont plateau region.

The coastal plain extends from the Atlantic Ocean inland to the fall line which is the name given to the division of the plain and hill country. The plain is built up of unconsolidated sands, gravels, loams, clays, and marls of recent geologic age. The river courses in this region are exceedingly tortuous and sluggish and are generally navigable to the fall line where they are narrow with steeply sloping sides. On the east side of the fall line, the rivers have wide beds and are less deep, and enter the ocean as broad estuaries. The plain is remarkably smooth and slopes gently to the sea at the rate of one foot per mile. The plain is but little eroded, and a large portion is poorly drained. There are, however, portions near the fall line which are moderately hilly.

The soil is generally fertile, and large crops of cotton, tobacco, vegetables, fruits, and grain are raised. A large portion of the land is covered with valuable timber, and this is one or the principal resources of this section. The other resources are the fisheries, fertile soil, and facilities for navigation. The population is greater in the inland counties than in those along the coast, due, in part, to the vast swamp lands in the latter district. The principal industries are agriculture, fishing, lumbering, and winemaking.

The mean annual temperature of the section is 60.2°, ranging from 57.6° at Littleton to 63.3° at Beaufort. The coldest months are January and February, the difference between these two months being very small. The coldest on record is 9° below zero at Weldon, N. C. The warmest month is July, the mean temperature varying from 77.3° at Murfreesboro to 80.2° at Washington. The hottest on on record is 107° at Weldon. The highest mean annual temperatures are near the coast, while the lowest mean temperatures are inland. On the contrary the highest absolute temperatures are inland, while the highest temperatures on the coast are comparatively moderate. It is seldom that the rivers in this section freeze over, and thus the waterpowers are very free from obstruction by ice. The daily and yearly ranges of temperature are much greater inland than at the coast stations.

The average date of first killing frost varies from October 26th at Nashville to December 8th at Beaufort, while the earliest date on which killing frost occurred in Autumn was October 1st at Littleton. The average date of last killing frost in Spring varies from February 28th at Hatteras to April 12th at Weldon, while the latest date on which killing frost ever occurred in spring was May 11th at Weldon.

The mean annual precipitation for the section is about 51 inches, the largest monthly amounts occurring in August and the least in November. The season of heaviest precipitation is summer, with about 17.00 inches; while the least is autumn, with about 10.50 inches. The precipitation during winter averages 11.50 inches and during spring is about 12.75 inches. In this section the average annual rainfall varies from 43.48 inches at Wash Woods to 59.89 inches at Hatteras. The precipitation in the headwaters of the Roanoke River is considerably less than near the coast.

The snowfall in this section is unimportant.

The average number of rainy days is about 100 per year, the greatest number occurring in June, July, and August, and the least in November.

A. H. THIESSEN,
Section Director.

Monthly, annual, and average amounts of precipitation (in inches and hundredths).

[Figures in black approximate.]

BEAUFORT, CARTERET COUNTY; ELEVATION 10 FEET.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1863.	......	......	......	......	......	1.26	0.70	4.19	4.62	......	4.27	1.22	......
1864. *	5.60	......	4.74	8.90	4.65	3.90	6.55	2.90	......	......	1.82	4.39	......
1872. *	......	4.50	11.50	3.87	3.85	2.77	1.75	3.60	2.13	4.60	4.00	3.20	......
1896.	**3.60**	**1.34**	2.52	1.87	0.87	2.69	7.52	1.93	5.44	3.07	2.58	5.77	39.20
1897.	1.91	6.50	3.60	3.53	5.27	4.80	4.60	5.51	2.51	8.77	1.38	7.07	55.45
1898.	2.28	1.20	3.23	3.92	1.71	5.57	5.57	10.54	0.90	13.71	4.14	4.47	57.24
1899. *	5.50	......	......	......	......	......	......	......	......	......	......	......	......
1905.	......	......	......	......	......	......	......	4.34	6.28	3.01	1.12	8.76	......
1906.	6.73	5.57	5.34	0.50	1.19	5.70	7.21	11.09	5.69	5.89	1.64	4.07	60.62
1907.	1.71	4.21	2.73	7.24	5.16	8.00	2.87	6.46	5.25	1.39	4.53	2.68	52.23
1908.	4.80	5.00	6.08	4.27	11.07	2.81	12.33	11.49	5.39	10.73	1.89	4.95	80.81
M'ns	4.07	4.50	4.97	4.26	4.22	4.17	5.46	6.20	4.25	6.40	2.74	4.66	55.90

EDENTON, CHOWAN COUNTY; ELEVATION 30 FEET.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1872.	1.80	2.39	6.80	4.00	5.00	4.80	5.40	3.10	2.50	6.30	1.80	2.70	46.59
1873. *	8.10	7.40	2.60	1.20	9.20	1.80	5.50	......	......	......	......	......	......
1896.	......	4.67	2.26	2.13	5.64	4.84	5.60	......	5.91	2.70	3.76	3.11	......
1897.	0.98	4.79	......	0.98	6.22	3.28	3.05	4.92	1.16	5.66	2.71	3.81	......
1898.	2.79	1.38	3.66	5.23	10.03	4.53	6.38	6.81	3.36	6.13	3.84	3.40	57.54
1899.	5.15	8.15	5.20	3.85	2.58	2.58	5.98	9.48	0.30	6.40	0.64	1.93	52.24
1900.	5.58	4.26	3.64	3.40	3.15	3.06	4.40	3.63	1.68	......	4.45	3.60	......
1901.	2.75	2.18	4.85	4.51	**5.60**	**3.00**	**4.90**	**7.80**	**6.70**	2.80	1.51	3.93	50.53
1902.	2.60	6.35	3.53	2.38	2.11	5.65	4.31	6.85	4.30	4.27	6.95	1.78	51.08
1903.	2.95	3.91	5.15	4.59	4.13	4.00	5.97	4.70	0.81	5.55	1.96	3.13	46.85
1904.	3.67	5.91	5.06	0.50	3.03	3.14	7.80	5.33	2.88	1.90	2.35	5.80	47.37
1905.	3.70	6.20	2.43	8.20	3.05	2.23	9.47	5.80	7.50	2.64	1.65	5.80	58.67
1906.	4.30	**5.80**	5.50	1.10	3.25	9.27	16.18	10.38	2.46	6.40	0.90	3.80	69.34
1907.	0.82	3.85	4.45	5.20	6.10	**8.10**	9.40	4.30	2.00	1.55	5.60	3.03	52.40
1908.	4.06	3.04	4.30	1.67	5.60	5.38	10.23	6.40	4.75	5.26	1.77	3.98	56.54
M'ns	3.52	4.69	4 24	3.26	4.98	4.24	6.97	6.12	3.31	4.43	2.85	3.56	52.17

* No record for missing years.

GREENVILLE, PITT COUNTY; ELEVATION 75 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1875.	......	......	11.00	5.00	......	3.27	8.00	10.25	5.36	3.36	5.12	3.75	.....
1876.	0.88	4.62	5.00	......	3.25	8.50	......	......	9.50	2.25	3.75	2.62	......
1877.	3.06	2.12	5.40	3.90	2.22	3.21	5.92	9.09	16.46	4.72	3.53	3.39	63.06
1878.	4.97	1.75	0.99	4.20	3.60	4.85	2.51	10.40	6.04	4.28	2.30	5.60	51.49
1879.	5.00	3.80	3.00	2.00	2.20	1.30	6.50	7.40	4.40	0.60	0.35	3.25	39.80
1880.	2.20	2.10	6.60	4.90	0.70	3.00	5.60	7.30	2.00	1.20	3.20	1.90	40.70
1881.	4.40	3.10	3.50	3.40	3.60	4.10	3.60	3.20	3.90	2.40	2.00	......	......
*													
1893.	......	......	......	......	......	......	......	......	5.07	5.77	.....	3.50	......
1894.	4.13	3.68	2.73	0.63	4.14	**2.70**	6.21	11.40	4.47	6.44	1.10	1.43	49.06
1895.	6.10	1.25	5.50	9.09	6.14	3.02	6.29	6.85	1.35	2.43	2.37	2.25	52.64
1896.	2.81	3.68	2.59	6.00	8.42	4.44	2.99	3.12	3.35	2.01	......	......	......
1897.	......	......	......	......	....	.....	3.12	1.50	1.10	6.76	5.71	......	......
1898.	1.86	0.59	2.42	......		1.15	......	......	......	......	......	......	......
1899.	**3.00**	8.07	6.02	3.09	3.27	3.34	10.23	6.54	**2.00**	**5.10**	**1.00**	**1.80**	53.56
1900.	......	......	4.11	5.02	......	......	......	....	.....	......	......	......	......
*													
1905.	**2.40**	**6.50**	**2.30**	**5.80**	**6.00**	6.35	5.93	2.51	6.96	1.44	0.65	6.26	52.90
1906.	4.73	5.16	7.17	0.65	3.30	6.45	16.32	9.88	3.29	4.40	0.68	3.51	65.54
1907.	1.08	3.12	2.21	3.90	6.17	6.99	6.41	6.45	4.98	0.55	4.89	3.41	50.16
1908.	5.74	3.29	5.68	1.36	4.92	5.50	12.71	9.41	1.36	3.83	1.70	3.02	58.52
M'ns	3.49	3.51	4.48	3.93	4.14	4.26	6.82	7.02	4.80	3.38	2.56	3.27	51.66

HATTERAS, DARE COUNTY; ELEVATION 11 FEET.

1874.	......	......	......	......	......	......	......	......	7.43	2.91	3.94	3.02	......
1875.	5.95	5.89	9.89	7.09	3.00	4.53	5.15	3.29	5.46	7.94	5.37	4.70	68.26
1876.	1.19	4.47	4.29	4.07	2.67	4.37	4.72	5.54	11.69	8.28	5.10	9.39	65.78
1877.	5.90	5.85	10.41	11.07	3.07	8.42	9.80	4.18	15.41	6.17	8.38	13.38	102.04
1878.	9.43	4.72	3.86	7.38	6.81	4.47	5.36	10.07	2.50	9.99	2.39	10.20	77.18
1879.	6.44	5.09	12.77	4.64	5.72	2.02	2.21	5.95	11.64	5.86	4.60	3.78	70.72
1880.	3.37	7.13	8.05	2.22	5.03	8.59	9.06	16.32	3.65	12.00	12.68	4.46	92.56
1881.	7.39	5.87	6.04	6.88	1.13	4.99	6.16	1.06	4.45	6.26	4.77	3.93	58.93
1882.	3.89	5.26	9.67	4.07	1.02	0.63	7.26	6.95	7.67	9.03	4.29	6.86	66.60
1883.	13.90	3.08	7.60	6.74	7.81	6.76	6.20	3.13	9.89	3.89	4.50	3.46	76.96
1884.	7.64	5.18	5.84	3.51	2.66	2.51	10.51	5.89	1.01	1.23	13.02	7.41	66.41
1885.	7.98	4.50	3.72	3.16	7.04	4.42	3.80	5.97	7.27	10.28	3.65	6.23	68.02
1886.	7.17	2.29	4.15	2.97	2.71	5.51	7.57	9.74	4.11	0.98	1.56	5.96	54.72
1887.	6.09	1.37	3.01	2.71	2.58	3.41	6.18	7.99	0.80	11.07	2.87	6.96	55.07
1888.	4.85	3.83	5.07	0.77	7.27	4.39	6.24	2.36	6.63	3.99	5.52	5.81	56.73
1889.	6.82	4.52	5.43	10.08	6.03	11.91	2.26	5.30	5.09	4.84	4.70	0.26	67.24
1890.	1.29	3.03	3.06	4.28	4.78	4.04	5.95	8.51	9.63	4.93	T.	6.01	55.51
1891.	6.05	3.43	5.07	0.91	5.98	1.59	9.12	8.62	4.64	7.74	3.14	3.21	59.50
1892.	4.82	7.12	5.32	4.24	4.69	2.70	6.45	2.48	4.49	2.74	4.43	3.40	52.88
1893.	3.43	2.49	4.51	3.14	4.51	5.23	3.66	7.36	4.63	7.16	8.32	3.86	58.30
1894.	4.45	4.97	3.12	1.32	4.52	1.38	9.65	7.35	7.73	5.77	3.02	4.57	57.85
1895.	6.14	3.73	7.14	7.72	7.61	4.05	7.62	5.32	5.89	2.84	7.78	3.44	69.28
1896.	4.05	5.96	3.52	1.71	1.50	2.34	6.25	1.44	3.75	5.28	3.86	5.59	45.25
1897.	2.00	5.21	3.79	2.76	4.08	5.76	8.98	5.60	2.02	9.83	0.98	7.81	58.82
1898.	2.21	1.75	2.45	4.39	1.79	3.27	4.36	6.48	1.59	12.45	4.08	3.38	48.20
1899.	4.47	8.07	2.18	3.99	2.55	1.26	9.50	14.19	0.61	9.38	2.21	3.47	61.88
1900.	4.50	6.03	4.74	4.84	4.24	2.83	5.42	1.56	1.03	3.32	3.81	3.33	45.65
1901.	2.90	2.35	3.81	4.16	3.99	4.84	8.17	3.87	6.56	0.81	2.17	6.48	50.11
1902.	1.40	3.62	2.78	1.86	2.16	2.66	2.59	4.04	5.12	4.85	6.13	2.92	40.13
1903.	2.60	4.82	5.30	1.74	4.43	3.35	1.94	7.13	6.30	4.47	3.52	3.27	48.87
1904.	5.11	3.52	3.85	2.84	2.80	1.96	6.11	5.36	3.79	0.54	2.37	2.72	40.97
1905.	3.04	3.73	2.29	4.17	7.73	2.28	4.22	1.65	3.42	3.05	0.80	5.28	41.66
1906.	4.29	7.87	5.39	1.78	0.55	7.94	6.33	5.45	3.00	6.25	1.38	3.71	53.94
1907.	1.40	2.89	1.81	3.99	4.05	6.31	2.48	7.96	6.06	0.40	4.28	2.93	44.56
1908.	2.85	2.60	5.77	2.46	7.38	6.22	7.55	14.93	3.37	9.29	0.99	4.54	67.95
M'ns	4.85	4.48	5.17	4.11	4.29	4.32	6.14	6.27	5.38	5.88	4.30	5.02	60.21

HENDERSON, VANCE COUNTY; ELEVATION 490 FEET.

1893.	.....	......	......	....	......	2.71	4.07	6.96	4.52	6.39	2.07	4.18	......
1894.	4.15	6.52	1.90	2.68	5.08	2.42	3.77	4.78	5.55	6.90	1.46	3.10	48.31
1895.	7.53	3.05	2.85	14.60	3.12	3.93	8.42	2.95	1.10	1.95	4.82	2.62	56.94
1896.	3.75	6.20	3.90	1.83	5.66	5.60	8.16	1.56	4.42	1.37	2.04	2.85	47.34
1897.	2.25	4.92	5.83	3.25	3.42	4.11	6.82	2.72	1.21	4.65	3.34	3.58	46.10
1898.	2.14	0.87	4.40	3.58	7.64	4.11	5.68	7.74	1.72	2.66	3.40	2.39	46.33
1899.	4.36	8.47	6.69	2.20	5.01	4.33	8.39	1.36	4.49	5.72	1.04	2.93	54.99
1900.	3.35	6.25	5.57	3.38	2.67	4.81	4.95	3.53	2.70	0.88	5.30	2.98	46.37
1901.	2.20	0.70	4.69	6.10	8.37	3.86	6.40	9.22	7.84	3.40	1.29	5.62	59.69
1902.	1.10	6.80	2.89	2.33	2.86	4.77	2.31	3.73	6.05	1.65	3.77	3.15	41.41
1903.	3.01	5.60	10.74	4.87	1.50	3.77	2.82	11.26	2.34	3.51	1.49	1.85	52.76
1904.	2.71	3.98	2.86	0.94	2.40	3.17	8.85	4.06	3.73	2.60	4.55	4.53	44.38
1905.	2.14	5.14	3.41	5.71	5.72	4.57	3.89	12.72	2.11	1.98	0.45	9.61	57.45
1906.	2.94	3.84	4.20	1.66	2.95	5.91	7.55	16.00	2.04	2.87	0.84	2.89	56.39
1907.	0.95	4.50	4.31	4.05	2.61	8.69	4.83	5.21	4.67	0.87	5.38	4.72	50.79
1908.	6.54	5.39	6.22	3.53	2.12	2.92	4.65	9.34	2.00	4.56	1.62	5.53	54.42
M'ns	3.27	4.82	4.70	4.05	4.08	4.36	5.72	6.45	3.53	3.25	2.68	3.91	50.82

LITTLETON, HALIFAX COUNTY; ELEVATION 380 FEET.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1891.	**3.20**	**6.20**	7.84	4.80	8.07	3.57	6.37	10.29	1.60	2.89	2.59	0.53	56.95
1892.	2.92	3.22	3.23	3.00	3.21	4.49	6.45	5.42	3.32	0.76	2.38	3.43	41.83
1893.	3.30	5.99	0.98	0.88	3.87	4.05	5.05	3.44	2.73	6.00	3.68	3.62	43.59
1894.	4.12	4.79	2.03	2.48	4.02	2.51	2.46	4.00	4.21	5.80	0.86	2.43	39.80
1895.	4.48	1.87	4.63	9.10	2.74	5.18	7.22	4.99	0.88	1.94	1.91	2.46	47.40
1896.	3.00	5.60	3.26	1.20	5.71	3.60	7.12	3.88	5.93	1.49	2.33	3.76	46.88
1897.	1.25	5.60	4.54	3.23	4.46	2.15	3.94	4.06	0.25	4.38	2.51	2.61	38.98
1898.	1.94	0.62	3.93	2.82	5.49	2.93	5.10	4.21	2.50	4.66	3.24	2.71	40.15
1899.	3.69	7.34	4.72	2.98	2.72	4.26	5.92	2.73	2.92	5.35	0.94	2.50	46.07
1900.	3.01	6.14	4.38	3.49	2.05	6.01	5.84	1.81	2.11	1.64	4.52	3.90	44.90
1901.	1.92	1.02	3.73	4.75	9.45	2.24	7.36	7.42	3.75	2.06	1.65	4.72	50.07
1902.	2.59	6.61	3.00	4.14	4.39	4.86	2.99	1.91	3.98	2.12	2.80	3.29	42.68
1903.	2.81	5.46	9.58	6.07	1.59	4.72	3.99	7.49	2.66	4.98	2.00	2.68	54.03
1904.	2.41	3.95	4.68	1.17	2.11	2.80	6.57	4.31	6.54	2.22	4.05	3.13	43.94
1905.	1.56	......	......	......	......	......	......	......	......	......	......	......	......
M'ns	2.81	4.67	4.32	3.58	4.28	3.81	5.46	4.71	3.10	3.31	2.53	2.98	45.56

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* No record for missing years.

LOUISBURG, FRANKLIN COUNTY; ELEVATION 375 FEET.

1889.	......	......	......	......	.....	......	4.81	......	......	......	2.90	......	......
*													
1891.	**4.10**	**6.40**	**7.30**	1.71	6.41	1.94	7.87	8.49	0.99	2.67	1.93	2.17	49.06
1892.	6.22	3.09	2.43	4.86	3.02	8.36	2.62	4.88	1.44	0.36	4.08	3.52	44.88
1893.	4.77	5.32	1.18	1.28	5.58	2.87	5.00	4.87	6.32	4.21	1.52	3.80	46.72
1894.	3.55	4.28	1.95	2.86	3.83	**1.80**	6.12	4.81	4.46	5.96	1.03	2.84	43.59
1895.	5.70	1.05	4.85	5.65	**3.70**	3.16	5.55	3.81	1.32	2.38	2.40	2.34	41.91
1896.	2.97	6.58	2.48	1.46	7.00	4.72	7.22	1.27	3.15	1.76	2.85	2.91	44.37
1897.	2.06	4.90	4.49	4.30	4.05	2.12	4.11	3.80	0.65	2.72	3.05	2.70	38.95
1898.	2.29	0.77	5.06	2.84	6.09	1.63	6.62	8.08	4.31	2.74	2.96	2.00	45.39
1899.	3.70	8.10	5.35	4.04	3.01	4.04	8.39	3.49	7.86	4.80	1.32	2.32	56.42
1900.	2.77	4.78	4.73	3.48	3.39	3.69	7.13	1.22	2.27	1.58	4.02	3.51	42.57
1901.	2.23	0.68	2.62	5.22	8.06	1.88	7.37	12.40	6.94	3.01	1.23	4.33	55.97
1902.	2.80	6.57	2.35	3.78	1.94	3.64	3.79	3.45	3.08	3.00	3.94	2.52	40.86
1903.	2.69	6.78	7.42	7.06	1.19	4.44	1.75	5.89	1.88	4.90	1.52	3.10	48.62
1904.	2.51	4.62	5.19	0.45	3.28	2.86	5.78	3.00	3.08	2.47	4.03	3.31	40.58
1905.	2.32	5.84	3.16	4.03	5.36	4.34	5.78	6.77	2.50	1.25	0.99	5.45	47.79
1906.	3.84	4.24	5.28	1.05	3.74	5.44	5.03	7.46	2.24	3.40	0.88	2.55	45.15
1907.	1.13	4.25	3.13	4.75	3.57	9.24	4.11	5.13	3.47	0.21	4.73	7.12	50.84
1908.	4.70	4.12	5.20	1.06	2.24	5.13	2.99	13.87	3.44	4.75	1.78	4.68	53.96
M'ns	3.35	4.52	4.12	3.33	4.19	3.97	5.37	5.70	3.30	2.90	2.48	3.40	46.63

MANTEO, DARE COUNTY; ELEVATION 12 FEET.

Values 1875 to May, 1888, from Kitty Hawk, N. C.

1875.	1.25	2.88	5.09	6.89	3.06	3.34	9.98	12.08	5.56	7.55	8.61	3.46	69.75
1876.	1.61	3.50	6.98	3.54	3.09	5.99	3.98	2.90	13.79	3.55	4.14	4.04	57.11
1877.	4.65	3.06	7.62	7.83	1.42	10.97	4.95	8.39	13.39	4.08	5.42	8.92	80.70
1878.	10.15	4.48	2.10	8.95	5.33	2.64	1.34	7.27	2.43	8.21	2.68	7.52	63.10
1879.	6.90	4.07	7.85	2.03	3.15	1.41	6.62	6.88	4.36	0.79	3.96	3.20	51.25
1880.	2.97	3.56	7.26	4.85	0.60	1.72	9.94	11.18	5.03	5.95	9.92	5.74	68.72
1881.	7.34	3.97	4.24	4.97	0.80	5.06	5.00	3.83	0.49	5.55	4.57	6.29	51.71
1882.	6.86	4.83	6.49	4.92	2.22	4.99	15.36	7.48	7.91	3.07	4.94	4.72	73.79
1883.	8.16	2.87	6.28	8.78	7.76	6.57	3.98	12.39	7.73	3.80	1.65	2.89	72.86
1884.	6.50	4.32	9.17	4.83	1.75	4.57	10.76	6.58	0.15	1.23	7.14	5.65	62.65
1885.	5.45	6.17	3.48	3.95	6.76	3.81	0.94	3.43	4.62	5.03	4.55	6.59	54.78
1886.	6.23	4.38	4.90	5.00	7.27	8.95	2.69	7.34	1.92	0.02	1.39	3.89	53.98
1887.	2.55	4.08	4.60	2.39	2.82	4.31	2.88	12.04	0	4.37	1.03	4.23	45.20
1888.	5.65	4.54	6.75	1.17	5.80	4.65	3.92	2.21	9.40	5.42	3.16	7.06	59.73
1889.	5.59	2.82	3.52	9.56	2.54	8.05	5.46	6.89	**4.00**	**6.60**	5.68	0.30	59.91
1890	**1.60**	3.14	1.77	2.90	3.80	1.46	4.38	8.57	3.99	3.71	0.07	3.34	38.63
1891.	3.50	3.92	5.33	1.50	2.97	3.23	6.56	7.63	2.05	2.79	2.23	1.03	42.64
1892.	2.63	3.66	2.88	1.94	3.44	6.58	6.46	2.43	2.13	0.78	3.93	1.53	38.39
1893.	2.62	2.14	3.51	0.96	5.92	2.63	1.67	3.54	1.27	1.01	2.46	1.79	29.52
1894.	3.43	2.81	2.51	1.61	4.94	2.32	9.24	8.03	6.69	4.88	1.81	2.74	51.42
1895.	5.94	3.50	6.01	4.92	3.16	3.23	6.50	2.49	0.05	2.15	5.88	2.55	46.38
1896.	2.77	7.16	2.41	2.04	4.23	3.62	9.77	2.65	3.63	5.59	3.13	4.33	51.33
1897.	1.35	7.72	4.42	1.35	5.20	3.90	9.06	1.33	1.61	12.29	2.50	5.87	56.60
1898.	3.90	2.35	3.08	4.00	4.44	4.85	5.54	3.12	4.45	8.20	4.63	2.90	51.46
1899.	4.50	6.72	3.85	3.25	1.70	5.27	8.70	5.75	0.23	6.58	1.43	2.47	50.45
1900.	5.77	4.80	5.43	5.50	4.41	3.65	1.63	3.79	1.74	1.69	8.95	3.76	51.12
1901.	1.96	3.60	4.74	4.58	9.26	2.57	8.40	5.64	5.63	1.98	2.10	5.88	56.34
1902.	3.93	5.19	1.86	2.28	1.24	1.68	4.28	6.38	4.79	4.96	5.73	5.13	47.45
1903.	6.07	3.74	5.53	4.89	0.72	6.09	5.72	8.10	4.49	6.82	2.49	2.84	57.50
1904.	......	......	.....	......	......	......	......	......	.....	......	......	5.23	......
1905.	3.12	7.70	5.22	3.65	3.02	0.20	2.95	2.46	6.59	3.44	0.30	6.38	45.03
1906.	5.71	6.14	6.21	2.61	1.78	14.68	14.04	7.21	3.42	4.55	0.76	2.64	69.73
1907.	0.90	2.64	3.82	3.28	6.66	8.03	8.35	6.96	7.08	1.56	5.08	4.42	58.78
1908.	3.91	2.40	5.36	1.62	7.48	7.54	11.52	13.64	3.67	5.46	2.06	3.46	68.12
M'ns	4.41	4.20	4.86	4.01	3.90	4.81	6.44	6.38	4.37	4.32	3.76	4.20	55.66

NASHVILLE, NASH COUNTY; ELEVATION 190 FEET.

December, 1895, to 1903 record from Springhope.

1895.	......	......	......	......	......	......	......	......	......	......	......	2.10	.....
1896.	1.85	6.15	1.60	1.50	4.65	5.45	3.40	2.95	6.50	1.45	2.55	3.30	41.35
1897.	1.30	3.40	4.35	2.90	2.00	4.56	6.75	2.60	.....	2.25	3.00	2.50	.....
1898.	1.75	0.50	3.71	3.30	4.25	0.70	5.07	......	2.50	.....	2.10	3.20	......
1899.	2.50	9.05	3.70	2.70	2.50	2.43	9.08	3.46	3.10	5.65	0.85	2.97	47.99
1900.	2.89	4.84	4.13	3.15	2.75	4.58	4.99	3.59	1.60	**1.60**	3.75	3.90	41.77
1901.	0.80	1.60	2.70	5.35	7.20	3.35	6.42	11.06	**7.80**	1.50	1.85	4.52	54.15
1902.	2.35	6.90	1.83	4.33	1.20	5.93	1.55	4.14	3.61	2.15	3.51	2.45	39.95
1903.	2.49	4.68	5.13	7.78	0.95	6.03	5.68	4.18	2.20	4.47	0.78	1.78	46.15
1904.	**3.20**	**4.40**	**4.00**	**1.10**	2.38	3.24	4.95	3.94	3.98	2.12	4.65	**1.80**	39.86
1905.	1.90	5.93	3.65	5.51	5.85	5.43	8.75	4.52	2.81	1.85	1.07	6.35	53.62
1906.	4.63	4.75	5.13	0.63	2.13	4.68	6.84	5.70	1.84	2.94	0.81	2.89	42.97
1907	0.94	5.18	4.34	3.24	5.57	10.50	4.48	5.55	3.06	0.91	7.03	6.32	58.02
1908.	5.80	3.95	5.04	1.59	1.86	5.45	10.02	10.63	0.55	3.22	1.68	3.58	53.77
M'ns	2.49	4.72	3.79	3.34	3.33	4.79	6.00	5.19	3.30	2.50	2.59	3.41	45.45

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* No record for missing years.

NEWBERN, CRAVEN COUNTY; ELEVATION 12 FEET.

Values from November, 1896, to March, 1898, inclusive, are about 20 per cent too low, due to faulty exposure of rain gage.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1872.	......	3.74	3.51	2.60	7.53	5.40	4.31	12.00	5.75	6.70	3.30	5.55	.....
1873.	7.10	4.95	1.85	......	......	......	6.20	9.55	7.19	4.60	4.45	5.70	......
1874.	8.50	11.35	7.75	9.55	6.80	4.60	9.70	10.10	12.80		......	.....	......
1875.	4.40	2.75	6.00	4.05	3.05	7.85	5.52	7.40	3.50	3.50	4.95	2.45	55.42
1876.	1.30	2.80	5.50	2.45	5.45	10.25	8.35	7.55	9.05	3.30	2.10	4.20	62.30
1877.	3.10	2.45	3.19	5.25	1.25	6.00	10.40	7.85	14.00	5.85	5.95	....	......
1878.	7.30	4.40	2.35	4.55	3.50	......	4.40	19.65	3.90	5.75	1.80	4.90	......
1879.	2.85	2.80	4.80	1.55	4.30	1.60	8.60	7.55	2.75	1.80	3.90	1.50	44.00
1880.	......	3.80	5.75	4.60	0.80	6.90	8.80	7.80	3.25	5.00	6.80	......	......
1881.	......	7.70	4.50	4.01	6.50	4.30	7.80	5.40	......	......	2.30	4.45	...
1882.	2.25	2.30	4.90	4.70	3.60	2.95	12.89	12.36	10.95	3.45	3.10	4.95	68.40
*													
1884.	......	....	......	3.54	2.12	4.04	3.57	7.38	3.18	0.41	......	......	......
1885.	......	......	......	......	10.86	5.17	5.50	5.94	3.00	3.41	......	......	...
1886.	......	......	......	1.27	2.54	4.25	6.66	8.96	3.38	0.34	......	.....	......
1887.	......	....	....	......	4.40	2.78	6.01	11.88	0.40	4.98	......	.....	......
1888.	....	......	......	1.17	7.26	3.81	1.63	2.27	11.76	5.76	3.60	4.03	......
1889.	5.80	2.65	2.90	2.50	6.12	6.41	8.44	2.89	2.71	3.16	3.59	0.30	47.47
1890.	0.67	2.16	2.82	2.75	5.50	5.09	9.70	3.69	6.77	3.51	0.20	3.90	46.76
1891.	4.10	3.40	6.40	1.80	4.94	1.60	6.51	11.57	4.40	3.87	0.77	1.74	51.10
1892.	6.11	4.26	2.83	2.30	3.49	9.28	7.56	5.57	8.35	0.67	2.61	2.35	55.38
1893.	3.08	3.25	3.61	3.57	1.67	5.70	5.75	9.33	3.44	4.47	3.50	4.53	54.90
1894.	3.93	4.08	3.15	0.66	5.08	1.20	9.00	7.21	5.10	4.66	2.70	1.50	48.27
1895.	6.30	3.36	5.10	10.20	4.67	5.88	5.33	4.54	1.57	1.53	4.94	2.10	55.52
1896	3.55	4.65	1.87	2.37	1.99	2.02	11.61	3.86	4.37	2.17	1.52	4.29	44.27
1897.	1.74	4.12	3.85	1.91	2.68	2.98	2.55	3.68	0.74	4.89	1.33	4.79	35.26
1898.	1.95	2.22	2.63	4.16	4.33	4.91	9.19	6.05	3.87	7.65	3.56	1.48	52.00
1899.	3.06	3.94	2.22	......	5.50	5.19	7.84	7.61	1.17	3.50	1.83	2.16	....
1900.	5.84	3.60	4.04	4.58	5.21	5.82	6.46	5.40	1.95	5.17	3.62	4.77	56.46
1901.	2.88	3.43	4.60	3.83	7.74	3.73	10.97	6.20	7.01	1.74	2.07	5.18	59.41
1902.	2.09	5.70	3.20	2.49	3.26	5.34	4.50	7.96	4.88	3.99	3.77	4.52	51.70
1903.	4.48	4.82	5.20	3.97	2.68	4.60	5.18	9.01	1.04	4.54	1.57	2.38	49.47
1904	4.24	5.47	4.38	1.65	3.17	3.22	6.56	9.30	2.04	1.59	1.99	3.94	47.55
1905.	3.10	6.54	2.67	5.04	4.80	5.75	8.10	2.47	7.01	3.09	0.74	9.27	58.58
1906.	7.62	5.06	7.68	2.24	3.14	16.78	11.90	10.67	2.57	4.65	1.29	3.45	77.05
1907.	1.19	3.41	2.97	4.05	6.20	8.34	9.82	12.21	6.42	0.56	4.71	3.20	62.28
1908.	5.60	5.20	6.73	3.61	11.53	9.95	17.60	11.77	2.76	9.38	2.37	3.64	90.14
M'ns	4.09	4.21	4.13	3.56	4.76	5.40	7.64	7.91	4.92	3.81	2.93	3.70	57.06

TARBORO, EDGECOMBE COUNTY: ELEVATION 50 FEET.

1871.	......	......	....	....		......	......	4.50	2.30	6.60	5.20	2.50	......
1872.	1.30	4.65	3.87	2.60	6.60	4.90	4.50	6.05	4.30	10.50	2.00	3.50	54.77
1873.	4.60	8.90	.....	.....	......	......	......	......	.....	......	.....	......	....
*													
1877	4.40	2.10	6.30	3.00	5.60	4.50	8.60	.....	......	5.20	3.20	3.40	......
1878.	5.50	2.40	2.20	5.70	5.10	2.30	2.50	......	.....	4.90	2.10	5.10	.....
1879.	4.90	3.40	2.00	2.00	1.70	2.40	3.10	....	......	0.70	0.80	2.00	......
1880.	......	......	......	......	.....	2.70	13.40	......	......	3.10	6.50	4.60	......
1881.	6.20	3.30	2.60	......	......	......	5.20	2.10	2.90	2.30	4.90	2.90	.....
1882.	5.20	3.00	3.20	6.30	6.10	3.00	8.70	.....	......	1.30	1.30	7.40	......
1883.	7.30	2.80	4.00	8.20	1.50	11.00	6.30	7.10	8.70	1.90	0.60	1.80	61.20
1884.	5.60	3.60	7.80	2.30	4.50	3.30	5.20	5.40	0.70	0.40	0.80	4.00	43.60
1885.	5.10	3.70	3.10	2.40	11.50	2.50	5.10	2.40	3.16	6.40	2.50	5.40	53.20
1886	1.80	2.10	3.60	3.60	4.70	6.50	6.30	5.30	3.20	1.40	1.30	5.00	44.60
1887.	3.59	3.56	3.89	2.95	5.55	3.08	11.63	22.73	2.02	6.12	1.94	3.82	70.88
1888.	4.18	....	5.53	1.77	8.09	5.17	1.62	2.85	......	......	....	......	......
1889.	5.54	......	......	......	8.30	3.78	10.50	5.88	4.75	4.20	4.56	....	
1890.	1.19	2.30	3.76	3.32	5.05	3.43	5.27	9.88	4.09	4.12	0.30	3.92	46.53
1891.	4.00	3.40	6.40	1.80	8.12	2.30	9.58	8.45	0.94	3.72	2.57	1.83	53.11
1892.	7.01	2.65	3.12	4.86	4.97	8.62	4.66	4.32	3.27	0.90	2.30	4.16	50.84
1893.	2.99	3.10	2.94	1.63	2.86	9.37	4.38	5.15	4.20	.....	3.88	4.10	......
1894.	4.93	4.80	2.61	1.30	3.70	3.72	9.14	13.32	5.43	6.96	1.63	2.39	59.96
1895.	4.54	2.95	5.30	7.80	4.70	6.90	5.96	7.44	0.10	2.99	2.26	2.79	53.70
1896.	2.45	6.35	1.69	......	8.56	5.16	4.71	2.09	6.20	2.38	4.94	4.36	......
1897.	1.92	4.61	4.72	2.81	3.46	2.30	6.69	4.56	1.08	3.82	2.99	3.48	42.44
1898	2.05	0.90	3.24	3.39	4.43	3.40	8.12	9.54	1.84	4.59	3.40	......	......
1899.	3.64	8.05	5.79	4.42	......	4.77	8.93	4.69	2.53	6.49	0.92	3.21	
1900.	4.41	5.35	2.70	3.34	2.07	3.54	2.02	6.72	1.05	1.06	3.70	3.21	39.17
1901.	1.85	1.92	3.02	5.45	5.54	1.29	8.24	11.61	8.24	3.51	1.23	5.11	57.01
1902.	2.85	7.23	2.86	2.48	4.83	3.08	1.12	5.86	4.16	3.17	3.35	2.18	43.17
1903.	3.38	6.27	5.48	4.39	2.43	5.26	4.41	7.43	1.42	4.81	0.74	2.42	48.47
1904.	3.21	4.24	4.09	1.17	2.01	2.13	4.87	5.28	2.70	1.91	4.55	4.48	40.67
1905.	3.21	6.79	3.51	7.52	4.46	3.66	7.83	4.66	3.00	1.62	0.80	5.54	52.60
1906.	3.29	4.96	5.16	0.71	2.17	3.04	6.53	6.09	2.45	2.87	0.70	3.03	41.00
1907.	1.01	4.84	2.85	4.60	3.83	5.59	5.20	6.96	3.27	1.33	5.08	5.05	40.61
1908.	5.20	4.38	4.47	2.03	4.31	3.27	9.36	6.74	0.72	3.55	1.25	3.46	48.74
M'ns	3.89	4.15	3.92	3.20	4.89	4.25	6.35	6.73	3.47	3.59	2.55	3.75	50.77

WASHINGTON, BEAUFORT COUNTY: ELEVATION 25 FEET.

1889.	......	......	.....	3.47	5.60	6.47	10.08	9.40	......	......	3.70	0.40	......
1890.	7.40	2.31	4.07	4.31	3.10	6.99	7.66	9.62	2.91	7.61	0.15	4.11	60.24
1891.	3.12	2.14	6.91	1.34	6.14	4.01	8.23	11.03	3.43	4.59	2.38	1.80	56.32
1892.	5.00	4.10	.		......	11.75	3.69	5.62	5.75	1.33	2.07	3.27	.....
1893	2.80	3.40	3.30	1.80	6.00	5.13	3.75	3.76	7.38	1.72	4.00	5.88	51.92
1894.	3.72	5.24	3.01	1.37	5.92	4.51	11.61	8.30	6.50	6.60	1.80	2.00	59.48
*													
1900.	5.00	5.22	3.19	5.76	3.84	4.53	4.06	6.24	1.04	1.80	4.80	5.63	51.21
1901.	2.62	2.59	5.30	3.76	5.71	4.41	6.18	6.13	7.20	......	2.57	5.18	......
1902.	3.46	5.11	3.39	1.99	2.70	4.69	2.55	6.33	5.10	4.21	5.09	1.95	46.60
1903.	2.97	4.87	5.24	3.70	4.71	5.26	5.84	9.07	0.15	3.98	1.27	2.83	50.19
1904.	3.57	5.94	6.12	1.33	1.68	3.76	11.72	6.07	2.89	2.66	3.20	3.12	52.06

* No record for missing years.

Washington—Continued.

Year	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1905.	2.85	6.41	3.66	4.26	4.14	5.78	6.81	4.39	4.68	3.47	0.50	4.82	51.77
1906.	4.80	8.44	6.09	0.50	1.75	10.53	14.54	11.94	1.83	5.26	0.68	3.70	70.06
1907.	0.81	6.23	3.20	4.96	4.44	11.85	....	......	......	......	......	......	......
M'ns	3.70	4.77	4.86	2.97	4.29	6.40	7.44	7.60	4.01	4.20	2.55	3.44	56.23

WASH WOODS, CURRITUCK COUNTY; ELEVATION 8 FEET.

1889.	.....	......	......	......	......	......	......	.....	......	......	......	0.44	......
1890.	1.01	2.86	2.46	2.91	2.58	2.84	2.73	7.04	4.14	2.98	0.24	3.58	35.37
1891.	3.64	3.94	7.75	1.64	3.33	2.20	9.23	9.49	0.83	7.76	2.20	1.40	53.41
1892.	......	4.97	4.48	4.17	3.74	4.64	4.07	7.01	1.25	0.64	3.96	3.51	......
1893.	3.46	1.85	3.30	1.80	6.00	5.80	5.50	8.10	3.27	2.53	1.46	2.99	44.16
1894.	5.86	6.11	2.99	2.05	4.53	3.77	6.02	5.80	5.07	4.60	2.20	2.60	51.60
1895.	4.57	2.95	5.18	4.98	2.40	2.80	5.50	5.25	0.05	2.39	2.88	......	......
1896.	0.65	4.13	1.10	1.60	3.92	3.60	.....	.....	......	.....	......	......	......
1897.	1.75	......	......	......	......	......	......	......	......	.....	1.34	......	......
1898.	1.88	1.54	3.18	4.50	5.33	......	4.65	4.90	3.94	6.47	3.03	2.29	......
1899.	3.79	8.09	4.52	1.80	2.17	3.49	6.56	4.21	0.49	3.57	0.64	1.37	40.70
1900.	3.62	4.73	2.64	3.08	3.26	1.02	2.42	1.88	0.84	1.35	3.22	2.86	30.92
1901.	2.10	1.40	2.05	4.15	5.10	1.53	3.57	4.37	6.20	1.02	2.75	4.93	39.17
1902.	2.58	4.67	2.57	1.92	1.51	2.52	1.93	5.71	5.67	2.38	4.75	3.19	39.40
1903.	3.78	2.56	2.12	3.98	1.12	4.40	4.95	2.43	4.88	7.98	1.24	2.78	42.22
1904.	3.36	1.78	4.48	1.01	0.94	1.59	6.40	9.16	1.54	1.41	1.71	4.81	38.19
1905.	2.44	4.34	2.44	2.24	4.17	1.64	5.15	4.18	9.60	1.42	0.92	6.19	44.73
1906.	......	......	6.32	0.44	2.44	6.97	9.02	7.83	1.34	3.86	0.24	1.87	......
1907.	1.97	5.18	1.90	3.91	4.10	4.64	3.03	......	......	......	5.62	5.85	......
1908.	3.27	3.84	5.28	2.57	5.64	4.79	......	8.07	......	.....	1.80	3.43	.....
M'ns	2.93	3.82	3.62	2.71	3.46	3.43	5.07	5.84	3.27	3.36	2.23	3.18	42.92

WELDON, HALIFAX COUNTY: ELEVATION 81 FEET.

1872.	......	4.55	3.41	2.17	5.19	4.37	7.07	4.94	4.03	8.36	1.68	3.84	......
1873.	4.65	8.03	2.51	1.08	6.68	0.71	5.19	10.27	3.45	4.24	5.12	2.44	54.37
1874.	3.29	3.59	3.08	6.22	4.50	3.39	3.50	4.83	5.13	0.06	1.76	2.38	40.73
1875.	5.50	3.88	8.09	4.32	1.27	1.24	4.94	8.04	1.71	1.77	3.43	3.39	47.58
1876.	0.58	3.08	3.91	2.81	1.77	4.47	1.65	7.44	7.25	0.17	3.22	2.89	31.99
1877.	3.65	0.90	4.47	3.50	2.75	3.40	7.76	4.78	8.08	5.15	3.03	2.43	49.90
1878.	3.54	1.60	0.35	5.53	6.32	2.61	2.55	9.15	3.01	4.52	1.60	6.05	46.83
1879.	4.58	1.81	1.65	3.22	2.30	1.40	3.94	5.12	2.13	1.01	0.41	2.61	30.18
1880.	1.85	2.10	4.94	2.10	0.17	3.10	3.85	9.98	1.70	1.10	5.93	5.55	42.37
1881.	3.64	1.44	1.49	3.06	1.88	5.64	1.05	1.07	3.77	3.44	4.27	2.70	33.45
1882.	6.76	3.61	2.88	4.25	6.00	1.30	4.48	3.89	6.62	3.97	0.52	2.90	47.27
1883.	5.68	3.79	3.28	6.79	1.80	6.73	2.91	2.94	7.75	5.59	0.87	2.23	50.36
1884.	5.43	3.36	7.06	1.99	2.91	3.14	7.70	1.86	0.23	1.05	1.30	5.99	42.02
1885.	4.76	2.78	3.11	2.51	8.53	3.25	3.86	1.32	1.58	5.11	2.33	3.30	42.44
1886.	2.88	2.26	4.01	2.06	2.11	6.75	10.40	5.02	1.75	2.38	2.21	4.71	46.54
1887.	3.97	3.07	4.30	1.92	8.07	5.06	6.27	5.88	3.49	9.97	1.37	4.20	57.07
1838.	3.83	3.30	7.41	1.18	8.84	5.38	1.46	1.82	10.56	3.31	3.65	2.43	53.17
1889.	4.67	3.53	3.87	6.59	8.48	8.82	8.59	3.54	3.26	3.39	2.61	0.80	58.15
1890.	1.02	3.03	5.07	2.15	5.98	3.64	6.92	6.95	3.39	4.97	0.05	4.95	48.12
1891.	3.80	4.86	8.30	3.34	9.34	4.13	5.78	8.79	1.37	6.10	2.07	1.70	59.58
1892.	6.15	2.96	2.62	4.38	3.57	5.12	7.16	6.59	2.72	1.05	3.58	3.46	49.36
1893.	2.39	4.54	2.23	0.96	3.21	5.50	5.52	2.72	5.80	5.46	3.64	5.41	47.38
1894.	4.65	4.67	2.13	2.79	4.13	2.06	3.97	5.70	4.72	6.87	1.23	2.72	45.64
1895.	5.26	2.12	5.19	8.08	4.13	3.72	7.01	4.07	0.07	2.43	2.61	2.65	47.34
1896.	2.61	6.84	3.01	1.94	7.23	6.17	9.02	2.14	6.48	1.59	1.79	3.91	52.73
1897.	2.25	5.47	4.58	3.10	2.89	1.86	4.20	2.16	4.30	4.12	3.21	2.91	41.05
1898.	2.40	0.79	4.37	3.65	6.14	5.18	5.46	5.08	2.42	3.34	3.18	2.62	44.63
1899.	2.88	8.11	5.11	2.97	2.28	3.06	10.30	2.59	3.82	5.25	1.50	2.73	50.60
1900.	2.69	4.87	5.31	3.23	2.74	2.64	3.18	2.65	2.35	1.25	4.08	3.14	38.13
1901.	2.30	1.21	3.78	5.88	5.53	1.61	7.48	11.07	6.92	3.21	1.52	5.45	55.96
1902.	2.38	5.21	3.49	3.67	3.08	3.66	3.28	4.45	3.29	3.19	3.20	3.76	42.66
1903.	2.46	4.51	6.26	5.89	2.58	9.84	3.33	6.14	1.69	3.67	1.47	1.71	49.55
1904.	3.13	4.20	3.95	1.04	3.75	5.55	6.96	4.12	4.35	2.64	3.64	3.68	47.01
1905.	2.41	5.48	4.39	3.72	3.66	2.79	4.95	6.02	4.12	1.37	1.37	6.13	46.41
1906.	2.77	5.08	4.36	1.84	2.46	1.87	6.09	13.42	2.19	2.44	0.92	2.62	46.06
1907.	1.29	4.23	4.01	4.96	4.38	8.52	3.20	2.68	2.07	1.45	4.94	5.65	47.38
1908.	5.11	3.63	4.62	1.31	2.79	3.83	8.93	12.25	0.79	2.25	1.41	4.07	50.99
M'ns	3.53	3.74	4.12	3.41	4.31	4.10	5.40	5.45	3.74	3.44	2.45	3.53	47.22

FROST DATA.

Stations.	Length of record, y'rs	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
Beaufort	8	December 8	March 15	November 25	April 15
Edenton	15	November 2	April 3	October 12	April 26
Hatteras	33	November 11	February 28	November 7	April 19
Henderson	15	October 31	April 7	October 10	April 24
Littleton	14	October 27	April 8	October 1	April 28
Louisburg	17	October 21	April 10	October 11	April 24
Manteo	33	November 29	March 22	October 25	April 7
Nashville	13	October 26	April 5	October 12	April 22
Newbern	25	November 7	April 5	October 10	April 24
Tarboro	23	October 25	April 11	October 10	April 30
Washington	13	November 4	April 4	October 12	April 20
Weldon	36	October 24	April 12	October 10	May 11

MEAN TEMBERATURES.

Stations	Length of record, y'rs	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Beaufort	8	48.3	46.7	53.8	59.7	69.5	75.7	80.0	79.9	76.1	65.2	56.2	48.6	63.3
Edenton	15	42.2	40.9	51.6	57.9	68.3	74.7	79.6	78.3	72.1	61.4	51.6	43.0	60.1
Greenville	8	45.2	45.3	52.6	58.6	68.8	77.2	80.0	77.2	71.9	62.4	51.8	44.6	61.3
Hatteras	33	45.8	46.6	51.4	58.0	67.1	74.4	78.6	78.2	74.7	66.0	56.7	48.8	62.2
Henderson	15	39.4	38.2	50.6	56.5	67.9	74.5	78.1	77.2	72.1	59.7	49.5	40.7	58.7
Littleton	14	36.9	37.8	48.1	56.0	66.0	74.4	77.9	76.8	70.5	58.1	48.1	40.2	57.6
Louisburg	17	39.0	39.1	50.8	57.7	67.9	75.0	78.1	77.1	71.2	58.9	48.4	40.9	58.7
Manteo	33	43.0	43.5	48.8	55.4	65.2	73.4	78.3	77.6	73.1	63.5	53.5	45.8	60.1
Murfreesboro	5	40.7	44.9	49.1	56.9	66.5	75.4	77.3	76.4	68.6	58.1	49.1	42.6	58.8
Nashville	13	40.8	39.7	51.8	57.2	67.7	74.8	78.7	77.6	71.5	60.1	50.1	41.4	59.3
Newbern	25	45.5	45.8	53.9	59.6	69.2	76.0	79.0	78.2	73.6	62.8	54.1	46.7	62.0
Tarboro	23	41.6	42.3	51.5	59.0	69.4	76.4	79.9	78.6	72.9	61.1	51.1	43.0	60.9
Washington	13	45.8	45.3	53.9	59.6	70.7	76.5	80.2	79.9	73.8	63.0	52.6	46.1	62.3
Weldon	36	39.4	41.1	48.5	57.3	68.1	75.6	79.4	77.2	71.4	59.3	48.5	40.8	58.9

HIGHEST TEMPERATURES.

Beaufort	8	73	71	83	83	87	92	96	92	93	87	75	73	96
Edenton	15	74	79	90	90	95	98	100	99	98	85	81	75	100
Hatteras	33	73	73	82	80	88	91	93	92	90	90	79	74	93
Henderson	15	77	74	92	98	98	100	101	104	103	92	80	74	104
Littleton	14	73	75	89	97	99	102	102	104	103	90	82	74	104
Louisburg	17	78	75	92	96	98	100	101	103	100	89	80	74	103
Manteo	33	75	76	90	92	94	98	107	102	97	88	80	75	107
Nashville	13	81	72	95	94	98	100	101	100	97	90	84	76	101
Newbern	25	80	80	92	92	99	100	100	100	100	90	86	78	100
Tarboro	23	81	76	96	97	99	104	105	105	106	93	87	79	106
Washington	13	81	79	95	91	98	101	105	105	99	90	85	86	105
Weldon	36	80	81	96	94	100	103	107	107	98	95	83	77	107

LOWEST TEMPERATURES.

Stations.	Length of record, y'rs	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Beaufort	8	15	13	30	32	43	56	60	62	50	40	27	20	13
Edenton	15	12	5	19	28	38	46	55	50	42	28	20	12	5
Hatteras	33	14	11	25	31	43	56	61	60	50	42	27	8	8
Henderson	15	4	−2	18	26	37	43	55	53	40	29	17	6	−2
Littleton	14	−4	0	12	25	31	47	51	51	33	26	13	7	−4
Louisburg	17	−5	−6	10	27	30	48	52	52	38	28	14	2	−6
Manteo	33	9	6	22	29	40	47	58	51	44	33	24	13	6
Nashville	13	11	−1	15	27	34	47	54	50	40	25	17	4	−1
Newbern	25	6	2	17	27	36	49	54	53	42	28	16	12	2
Tarboro	23	−1	−2	13	26	34	46	48	52	36	27	16	2	−2
Washington	13	9	4	19	29	36	47	60	52	42	23	14	3	3
Weldon	36	−9	−3	10	27	34	44	52	49	36	27	15	−5	−9

AVERAGE NUMBER OF DAYS WITH .01 INCH OR MORE OF PRECIPITATION.

Beaufort	7	8	8	10	8	10	11	12	12	8	10	7	10	114
Edenton	12	7	8	8	7	9	8	10	8	5	6	5	6	87
Greenville	8	7	7	8	7	7	10	10	10	6	7	5	7	91
Hatteras	33	13	11	12	10	10	11	11	13	9	9	10	11	126
Henderson	15	9	10	11	10	11	11	11	12	7	7	7	9	115
Littleton	14	8	9	10	8	11	10	10	10	6	6	7	8	103
Louisburg	17	8	9	8	8	9	9	10	10	6	6	6	7	96
Manteo	33	9	10	11	9	10	8	11	11	7	8	8	9	111
Nashville	13	6	7	7	7	6	7	10	9	5	5	4	6	79
Newbern	25	8	9	9	8	10	11	14	13	8	8	6	8	112
Tarboro	32	8	10	10	9	10	9	12	12	6	7	6	9	108
Washington	13	10	10	9	9	10	11	13	12	6	7	5	10	112
Wash Woods	8	8	8	7	8	8	7	9	9	5	5	5	8	87
Weldon	36	9	10	12	9	12	12	13	12	8	8	7	9	121

HYDROGRAPHIC DATA FOR SECTION 91.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY,

BY R. H. BOLSTER, ASSISTANT ENGINEER.

Preliminary Note: Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section comprises Albemarle and Pamlico sounds on the east and the lower portion of Roanoke and Tar rivers on the west.

The lower portion of Roanoke River is navigable at all stages for a distance of 120 miles to Weldon, N. C., where it crosses the fall line. The slopes in the headwaters and in the upper tributaries are steep, and, as a consequence, freshets on the lower river are violent and floods of great height occur with extreme rapidity. Rises of 50 feet and over have been recorded at Weldon, and freshets in which the rate of rise is 10 feet or more per day are frequent.

Tar River rises in the north-central part of North Carolina and flows in a southeasterly direction into Pamlico Sound. It crosses the fall line at Rocky Mount, N. C., where is located the principal power on the river. Below this point the fall is from 1 to 1 1-2 feet per mile, and above this point it is about 2 feet per mile. The drainage basin is largely forested, but the stream is subject to violent freshets and to periods of very low water.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month during the entire period covered by the table. The two remaining columns are computed from the third column of mean monthly discharge. Column 4 gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column 5 gives the depth in inches to which the entire drainage area would be covered in an average month, if all the water flowing from it during that month were conserved and uniformly distributed on the surface. It is used for comparing run off with rainfall, which is usually expressed in depth in inches.

MONTHLY DISCHARGE OF ROANOKE RIVER, NEAR NEAL, N. C., FOR PERIOD AUGUST, 1896-MAY, 1903.

[Drainage area, 8717 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	80,800	2,580	10,600	1.22	1.41
February	76,400	2,920	15,700	1.80	1.87
March	84,800	2,940	16,600	1.90	2.19
April	57,000	3,570	14,900	1.71	1.91
May	85,200	3,200	9,830	1.13	1.30
June	28,600	2,440	6,020	.690	.77
July	51,100	2,180	5,470	.627	.72
August	57,300	2,240	6,830	.783	.90
September	34,300	1,380	4,420	.507	.57
October	39,700	2,010	6,060	.695	.80
November	23,200	2,340	4,480	.514	.57
December	52,500	3,250	8,910	1.02	1.18
The period	85,200	1,380	9,150	1.05	14.1

MONTHLY DISCHARGE OF TAR RIVER, NEAR TARBORO, N. C., FOR PERIOD AUGUST, 1896-1900.

[Drainage area, 2290 square miles.]

Month.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	6,250	905	2,120	.926	1.07
February	19,800	730	5,940	2.59	2.70
March	15,800	750	5,870	2.57	2.97
April	13,200	905	4,010	1.75	1.95
May	8,680	690	2,010	.878	1.01
June	6,410	360	1,390	.607	.68
July	6,920	230	1,350	.589	.68
August	6,410	230	1,030	.450	.52
September	4,460	134	796	.348	.39
October	4,840	87	670	.293	.34
November	5,679	87	1,020	.445	.50
December	9,460	410	2,140	.934	1.08
The period	19,800	87	2,361	1.03	13.89

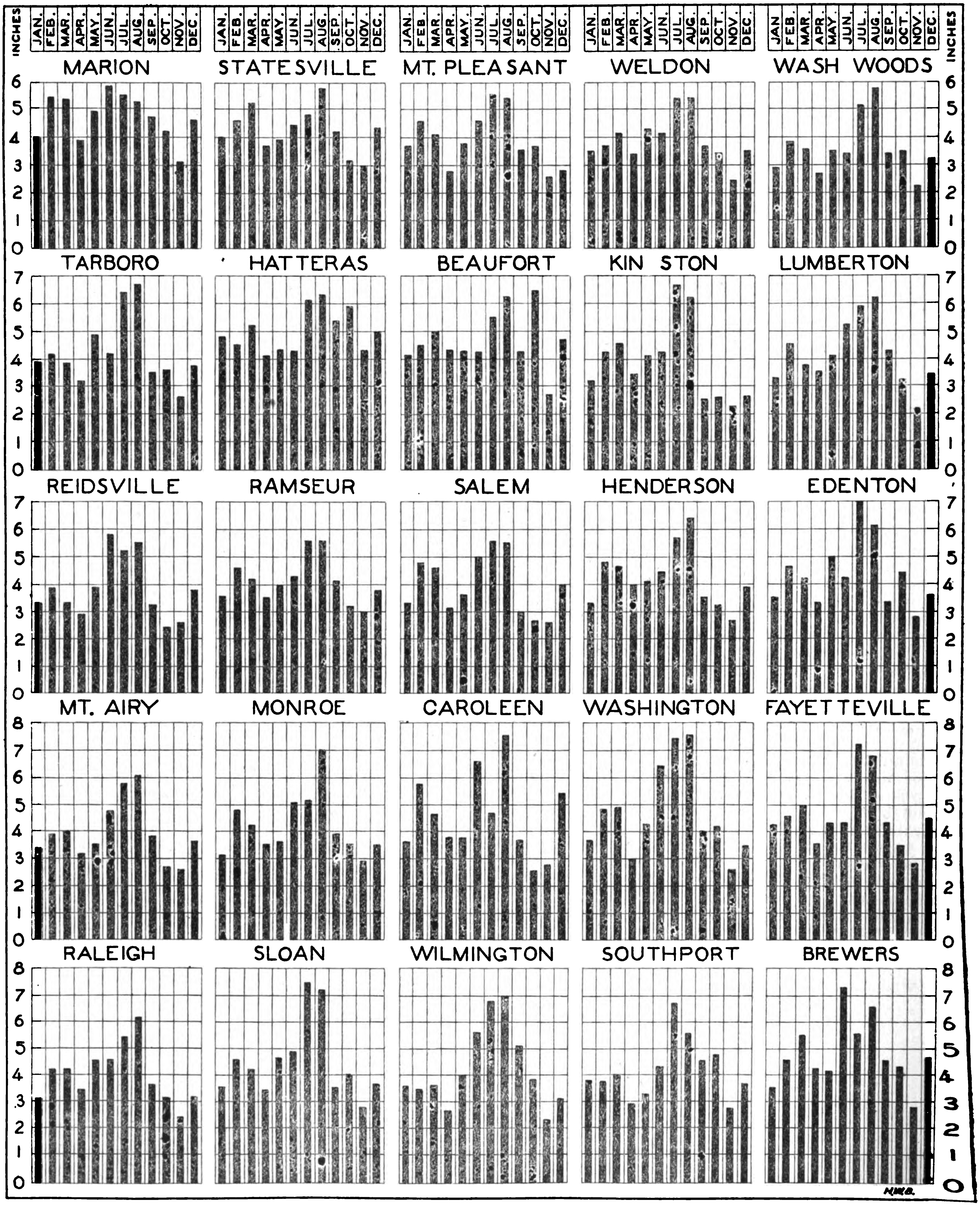


FIG. 1.– Diagrams showing the comparative monthly distribution of precipitation for North Carolina.

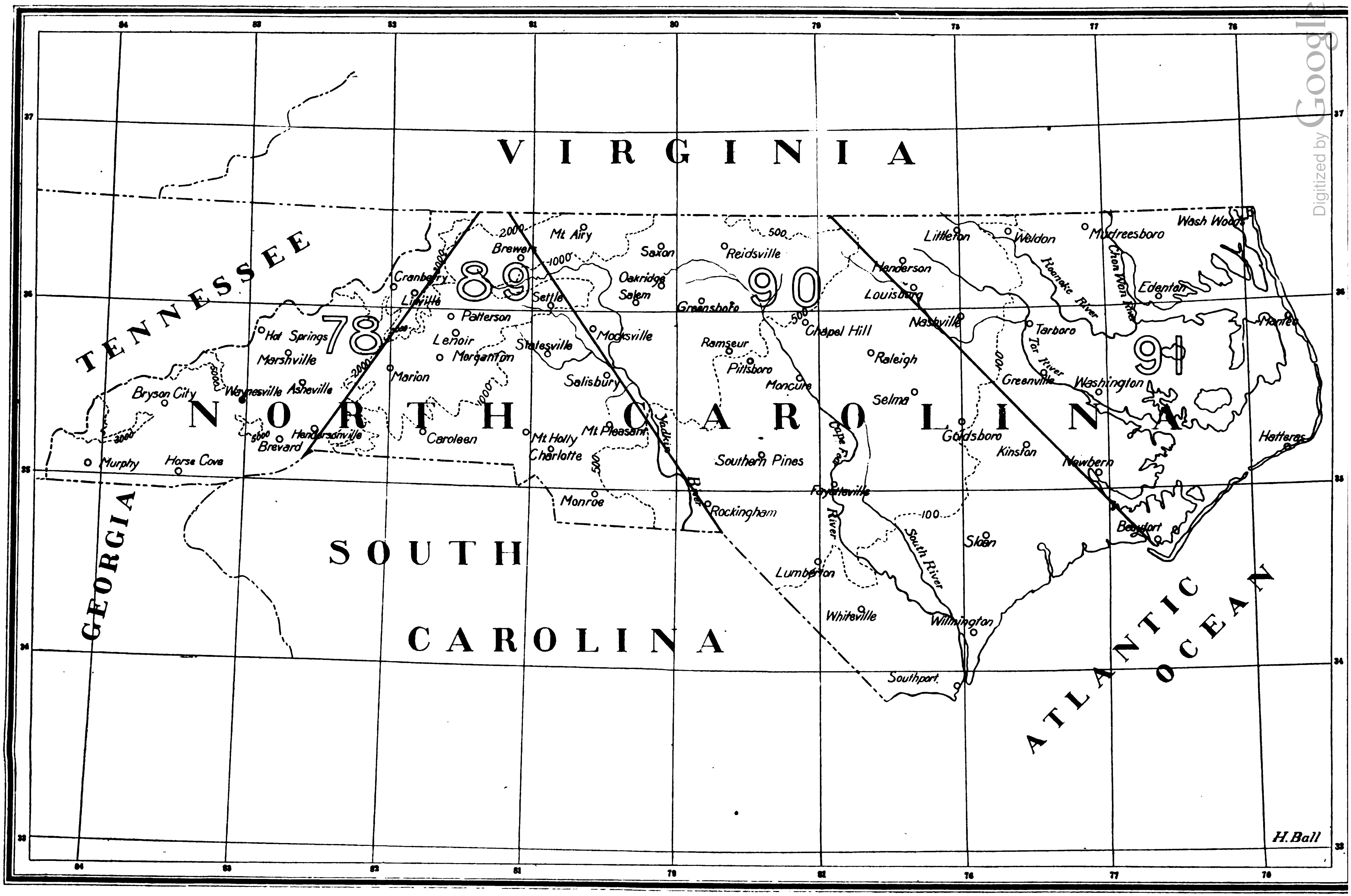


FIG. 2.—Chart showing principal points of observation, the drainage basins, and the general elevation of North Carolina.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, Professor Frank H. Bigelow, in Charge.

Section 92.—SOUTHERN VIRGINIA, EAST OF BLUE RIDGE.

This Section has an area of about 8,000 square miles and comprises 26 counties in the southern portion of the State.

In general, its topographical features are similar to those of Central Virginia. The Coastal Plain is a low, relatively level expanse which extends westward to about longitude 77° 30', where the Middle counties begin. Along this meridian there is an outcropping of granite, and in the various streams that cross it in this Section are found important falls, or rapids, which furnish abundant and never failing waterpower.

Changes in the land contours also occur here. The surface rises from the level floor of the Coastal Plain to the rolling lands of the Middle counties, and the western confines of the Section are approached through a quite uniform increase in the elevations until the foothills of the Blue Ridge are reached, where there is a sharp uplift of the surface.

The elevation of the Coastal Plain ranges from sea level to 120 feet above mean tide; the Central counties from 120 to 1,300 feet, and the Piedmont counties from 1,300 to 3,300 feet.

The entire Section is well watered and in its central and western portions rather heavily wooded, there being large and valuable tracts of original growth timber remote from railroads that have not as yet been touched for commercial purposes. Waterpower is abundant and accessible in the two-thirds of the Section comprised in the Central and Western counties, and the same is largely used in mills and manufacturing plants of various kinds, as cotton, paper and flour mills, tobacco and woodenware factories, etc.

Two principal rivers with their tributaries drain the greater part of the Section. They are the Blackwater and the Roanoke-Staunton. Of these the former rises in the northwest part of the Coastal Plain, in the counties of Surry and Prince George, and flowing generally southeast it enters North Carolina near Riverdale, Southampton County, Va., finally uniting with the waters of the Chowan River. Its main tributaries, the Nottoway and the Meherrin rivers, head in the uplands of the Central counties. This watershed comprises about two-fifths of the Section. The remaining three-fifths are embraced in the basin of the Roanoke-Staunton river and its main affluent, the Dan. The headwaters of the Roanoke-Staunton have an elevation of 2,000 to 2,500 feet, and rise in the Pilot, Paris, Brush and Poor Mountains, of the Appalachian system. Montgomery County, in which these mountains are located, has a high average elevation above the sea and its surface drains northeast to the James River, southwest to New River, and southeast to Roanoke-Staunton River, each basin abutting, practically, upon the other.

The Dan River heads on the eastern slope of the Blue Ridge in Patrick County, and passing southeast across the Virginia line, it enters North Carolina, flowing east through Stokes County, and northeast through Rockingham County, in that State, entering Virginia again near Wenonda in the southwest corner of Pittsylvania County. Thence its course is generally eastward through Pittsylvania and Halifax counties, until it unites with the Roanoke-Staunton near Clarksville, in Mecklenburg County.

The drainage area above Clarksville of the Roanoke-Staunton and of the Dan rivers, is 3,546 and 3,798 square miles, respectively, but most of the drainage area of the Dan River lies in the State of North Carolina, and is not, therefore, considered in this paper.

Excepting the marshy, or swampy, lands that constitute a small part of the area of the Coastal Plain, there is no unproductive soil in this Section. The natural fertility of some of it has been lowered by injudicious methods of cropping and cultivation, but, on the whole, its productiveness equals that of any other part of the State. The Coastal Plain, with its light, warm, sandy loam, is responsive to proper handling and is adapted to produce early and abundant yields of the different crops comprised under the general head of "truck," as spinach, kale, cauliflower, egg plant, radishes, lettuce, onions, green peas, tomatoes, potatoes, table and field corn, black-eyed peas, cabbage, melons, etc.; also of strawberries, blackberries, raspberries, gooseberries, etc. All of these crops are extensively grown and marketed, especially strawberries, sweet and Irish potatoes, onions, watermelons and cataloupes. The peanut crop is also a large and important industry. Cotton is raised to some extent in Southampton and adjoining counties. In the vicinity of Norfolk, Norfolk County, the growing of "truck" crops has reached its greatest development, and immense shipments of them by rail and water are made each year to the large consuming centers of the country.

In the eastern tier of the Central counties the soil is a sandy loam. Westward its character changes to a clay loam, with occasional areas of stiff clay in the uplands, and rich alluvial soil in the bottom lands, and finally to the sandy loam and light clay loam of the foothills of the Blue Ridge. Decomposed rock enters quite largely into the soil of the Piedmont region.

The staple crops are corn, tobacco and oats. Some winter wheat and winter oats are grown; also buckwheat, but the acreage seeded to these crops is relatively small. The corn raised in the bottom lands of the Roanoke-Staunton and the Dan rivers is not surpassed in quantity or quality of yield in any portion of the State. The varieties of tobacco mostly grown are Burley and Orinoco. The crop is manufactured into plug, pipe and cigarette tobacco, and snuff, the stems being used for the latter purpose.

Considerable fruit is grown in the Blue Ridge foothills and stock raising is an important and profitable industry.

CLIMATIC CHARACTERISTICS.

Independently of other factors, the temperature of a region is a matter of latitude and, hence, the sequence of temperature changes from day to day and seasonally and annually would be invariable were it not for disturbing causes which are found operating everywhere. In this Section these disturbing causes are the variations in atmospheric pressure that are continually going on and the nearness of the Atlantic Ocean. Topography and elevation also play an important part locally. However, in the Coastal Plain counties, where the elevation above the sea is small and the surface quite level, local peculiarities of climate are almost entirely absent, and the changes occurring are due to the proximity of the Atlantic and to variations in pressure, as described.

TEMPERATURE.

Water has a great capacity for heat and both stores it up and liberates it slowly. Hence, over the Coastal Plain, where the effect of this quality is operating most strongly, the daily range of the temperature is less than in other portions of the Section. As might be expected, this condition is most marked along the immediate coast where the seasonal and annual temperature averages range between very moderate limits. The daily and annual extremes of temperature are also less than in the central and western portions of the Section. This, in turn, results in considerably retarding the date of frost formation in the fall as compared with other parts of the Section, while in the spring frosts cease much earlier. In this way a longer period of crop growth free from the probabilities of damage by frosts is had than obtains in other parts of the Section.

Throughout the central counties the climate is characterized by an increase in the variability and range of temperature. This is true in a moderate degree of the eastern tier, which is about 100 miles west of the Atlantic, and the condition is accentuated westward over the rolling lands, with their greater elevation and more decided contours, until the western line of the section is reached. Local control then becomes more sharply defined owing to the distance from the Atlantic (about 250 miles) and the rugged and mountainous character of the country. The extremes of temperature in summer and winter are greater, radiation proceeds more freely on account of the greater frequency of clear skies, and frosts occur later in the spring and earlier in the fall than in the Coastal Plain region. The extremes of temperature and frost data are shown in tables in the latter part of this paper.

The following table shows the monthly and annual normal temperatures for the Coastal Plain, Central counties, and Piedmont counties contained in Section 92, and by comparing the values from month to month some idea can be gained of the difference in the range of temperature due to the causes outlined.

MONTHLY AND ANNUAL MEAN TEMPERATURES.

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Coastal Plain....	40.0	40.1	47.5	55.4	65.7	73.8	78.2	77.0	71.3	60.5	50.5	42.4	58.5
Central Counties	37.8	35.2	48.1	55.6	66.6	73.9	78.4	76.6	70.2	58.9	47.8	38.3	57.3
Piedm't Counties	35.6	34.9	46.3	54.0	64.4	71.4	75.1	73.8	68.3	56.0	46.2	37.7	55.3
Section averages.	37.8	36.7	47.3	55.0	65.6	73.0	77.2	75.8	69.9	58.5	48.2	39.5	57.0

The months between which the annual march of temperature advances and retreats most rapidly are well shown in the table, which affords a striking illustration of the results of the situation of the points of observation with respect to the Atlantic. This condition, in turn, has a marked effect on the precipitation of the region.

PRECIPITATION.

Part of the work done by the sun in our atmosphere is manifested in the circulation of water that is continually taking place between the ocean and the atmosphere. Along the Virginia coast, ocean and bay are daily contributing moisture to the air in the form of water vapor, and this, being carried inland by the winds, is condensed and falls as rain, or snow. Generally, coast lands receive the greater part of the moisture so transported, and hence, precipitation usually becomes less as the moisture bearing winds penetrate further inland. An inspection of the following table will show this to be true of that part of the Virginia coast embraced in Section 92.

MONTHLY AND ANNUAL AVERAGE PRECIPITATION.

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Coastal Plain....	3.09	3.75	4.10	3.66	3.95	4.08	5.54	5.50	3.68	3.84	2.82	3.30	47.11
Central Counties	3.03	3.82	4.02	3.16	4.10	3.78	4.81	4.60	2.76	3.13	4.06	3.13	44.40
Piedm't Counties	3.14	3.93	3.86	3.00	3.69	4.93	4.46	3.80	3.37	3.09	2.46	3.52	43.25

This geographical distribution of rainfall is not, however, uniform throughout the year. Thus, it will be noted from the table that in the winter months, more precipitation occurs in the Piedmont counties than in the Coastal Plain. Differences in temperatures account for this. During the winter the temperatures in the coast counties are quite uniform, and changes to colder that are sufficient to produce precipitation are relatively infrequent. The sea winds, therefore, move inland with but little loss of moisture until the cold of elevation and the greater range of temperature prevailing in the Piedmont district cause condensation and precipitation of the water vapor they contain.

Considerably more than one-half of the average precipitation in each district falls during the growing season—April to September, inclusive—a fact of great importance to the agricultural interests of the Section. November is the driest month in the Coastal Plain and the Piedmont counties. Generally, the heaviest rainfalls occur in June and July, but this rule is occasionally broken by excessive rains in other months as, for instance, August, 1901, when 15.17 inches occurred locally in the Piedmont district; and August, 1906, when 16.75 inches fell locally in the Central counties. On the other hand, the least monthly amount of rainfall recorded, a trace, or quantity less than one one-hundredth of an inch, occurred in September, which is not the driest month on the average. These amounts are decidedly abnormal and their value lies mainly in the fact that they represent the extreme limits between which rainfall in the Section may reasonably be expected to range during unusually wet or dry spells.

The average amount of snowfall occurring annually varies from 9.7 inches in the Coastal Plain to 15.9 inches in the Piedmont district. Snow may occur as early as October and as late as May in the latter district, while in the former, there is no record of its having fallen earlier than November or later than April. Usually, snowstorms precede a fall in the temperature, and they are useful in protecting fall sown crops that would otherwise be exposed to the effects of alternate spells of freezing and thawing weather, and thus become "winter killed."

WINDS.

The prevailing winds for the year are northeasterly in the Coastal Plain, southerly in the Middle counties, and westerly in the Piedmont counties. Along the coast there is a yearly swing from the north winds, which predominate in December, January and February, to northeast in March and April, then to southeast and southwest during May to August, inclusive, finally going to northeast again, where they remain until November, inclusive. In the Middle and the Piedmont counties the seasonal changes in the wind direction are not so well defined, owing to the topography of the stations, but, in general, they vary in the Middle counties from mostly northerly in the fall and winter months to southerly and southwesterly in the spring and summer months, and in the Piedmont counties from westerly and northwesterly in the fall and winter to westerly and southwesterly in the spring and summer.

EDWARD A. EVANS, *Section Director*.

Monthly and Annual Precipitation.

[Figures in bold-face type estimated from surrounding stations.]

JAMES BASIN GROUP.

FORT MONROE, ELIZABETH CITY COUNTY, VA.

Elevation, 8 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1836	......	......	......	......	......	......	6.30	5.20	0.81	2.70	4.70	3.40	......
1837	1.60	2.50	2.40	0.90	2.20	3.50	2.00	7.50	5.70	0.50	2.90	9.00	40.70
1838	2.74	1.85	2.10	2.80	1.10	4.50	2.40	1.15	16.40	4.60	3.70	1.60	44.94
1839	8.10	4.70	5.30	3.70	5.50	4.80	4.50	14.20	1.20	6.80	3.60	9.60	72.00
1840	1.60	3.20	4.00	5.90	5.91	11.10	13.50	5.50	7.60	6.40	2.80	6.60	74.11
1841	11.00	3.20	8.50	6.30	4.20	3.60	3.61	8.90	6.40	1.50	2.50	5.60	65.31
1842	5.10	5.60	2.46	5.50	4.70	9.50	13.50	8.30	1.20	3.50	4.10	3.60	67.06
1843	0.51	4.00	3.30	3.10	6.20	2.20	3.70	8.60	3.20	4.50	2.20	5.80	47.31
1844	3.40	1.50	4.50	1.41	2.92	4.85	3.58	5.00	4.76	2.25	3.74	3.77	41.68
1845	1.88	2.42	1.20	2.48	7.70	6.06	3.26	9.98	4.65	2.00	2.10	4.04	47.77
1846	3.55	2.97	3.33	3.28	4.36	4.67	5.27	2.48	5.31	2.68	9.35	3.14	50.39
1847	2.75	2.65	5.05	1.86	3.62	4.07	3.47	8.93	7.87	1.92	4.10	2.64	48.93
1848	0.77	3.20	3.18	1.39	3.68	1.07	4.19	3.47	0.85	4.13	1.30	2.21	29.44
1849	1.70	2.10	4.06	0.98	3.11	0.70	4.13	1.98	1.99	2.91	4.86	4.12	32.64
1850	4.32	2.20	3.04	2.47	3.24	1.12	18.01	3.27	2.31	0.76	1.92	7.10	49.76
1851	3.21	2.24	2.23	1.33	2.20	2.51	3.00	4.00	0.76	2.02	2.45	0.91	26.86
1852	0.90	1.18	1.82	2.72	1.53	1.89	3.83	4.90	1.55	1.92	2.06	2.94	27.24
1853	1.54	1.90	1.42	2.47	2.08	0.56	5.79	1.93	1.11	1.80	5.25	1.90	26.74
1854	4.00	1.90	2.00	1.80	0.82	1.30	1.60	0.60	1.00	1.80	1.30	1.20	19.32
1855	1.60	0.40	2.00	0.45	2.10	3.80	1.65	1.80	3.30	**3.00**	0.80	3.27	24.17
1856	4.68	0.50	1.70	1.60	2.72	4.55	2.13	6.19	7.67	2.80	2.25	3.63	40.42
1857	2.31	0.90	1.80	5.12	3.60	4.85	4.55	4.20	5.90	2.90	2.30	4.45	42.88
1858	2.80	5.10	1.00	2.99	3.30	3.45	2.60	2.45	2.95	0.65	4.45	5.50	37.24
1859	3.61	**3.00**	3.80	4.30	3.80	3.60	4.36	4.25	3.00	2.05	2.66	2.50	40.87
1860	0.85	3.65	2.67	2.25	5.62	1.13	4.75	5.70	0.95	6.53	3.65	2.50	40.25
1861	4.80	3.13	3.40	5.50	2.55	4.75	7.30	5.15	1.55	5.60	2.10	1.10	46.93
1862	4.60	8.25	2.99	4.30	6.71	3.50	......	4.65	4.98	1.98	3.85	2.23	......
1863	2.57	3.95	5.92	4.33	2.04	2.22	1.34	0.60	0.67	0.36	2.82	3.05	29.87
1864	1.17	1.04	2.98	4.62	1.88	1.97	2.51	2.68	1.92	**3.00**	2.69	4.18	30.64
1865	3.58	1.50	3.14	**3.10**	4.21	1.81	5.35	4.25	0.80	4.01	10.60	3.15	45.50
1866	2.50	5.33	......	......	3.00	......	......	......	3.18	3.95	2.80	2.25	......
1867	2.15	2.15	10.83	2.85	7.75	8.85	5.75	11.40	2.15	**3.00**	2.90	3.73	63.51
1868	1.85	2.31	4.93	2.53	4.60	6.80	6.94	3.40	4.25	3.85	2.22	1.54	45.22
1869	3.58	1.69	2.02	1.22	4.81	1.66	7.72	2.31	1.57	3.69	1.58	2.91	34.76
1870	2.81	3.41	3.02	4.16	4.68	7.09	0.89	2.31	2.66	2.74	2.27	1.82	37.86
1871	2.40	3.68	7.05	3.40	3.53	2.96	5.97	4.11	2.80	4.46	4.15	1.83	46.34
1872	1.66	5.79	4.66	2.01	3.63	2.38	4.54	1.30	3.73	8.79	4.02	5.40	47.82
1873	3.67	6.12	0.66	1.08	4.89	3.00	1.70	4.72	5.88	2.74	3.12	3.82	41.40
1874	2.32	3.70	3.48	5.38	3.69	1.84	3.86	2.55	2.70	T.	2.32	3.29	35.13
1875	5.14	2.82	7.82	2.70	0.66	0.77	2.25	9.46	5.15	2.50	2.82	3.09	45.18
1876	1.12	2.38	3.61	3.15	2.72	2.21	2.55	1.44	7.91	1.45	2.08	1.16	31.78
1877	3.18	1.20	4.86	5.30	2.20	3.50	5.65	2.02	8.14	3.16	2.00	2.16	43.37
1878	2.24	1.92	2.05	4.13	5.24	3.01	0.75	7.11	2.97	3.11	2.23	4.28	39.04
1879	3.14	2.50	4.00	1.45	2.45	3.32	5.21	8.77	4.20	0.86	0.29	3.18	39.37
1880	1.79	1.85	3.87	2.08	0.02	4.18	6.24	8.75	2.60	1.91	5.09	4.92	43.30
1881	3.01	2.54	3.71	3.01	3.34	2.89	4.69	0.86	2.16	2.02	3.70	1.16	33.09
1882	5.88	3.24	2.08	3.14	3.04	4.60	4.20	3.48	3.64	2.96	0.61	4.33	41.20
1883	3.49	4.42	2.16	6.66	2.64	3.98	3.02	0.60	2.44	4.10	0.78	1.50	35.79
1884	5.10	3.56	6.33	1.42	1.53	3.99	5.44	3.12	0.16	0.20	0.58	3.02	34.65
1885	3.56	2.34	1.36	0.24	5.85	1.70	0.97	1.31	3.01	0.62	5.14	3.08	29.18
1886	1.92	3.30	1.35	2.22	4.23	7.20	2.64	6.33	3.05	2.20	1.55	5.85	41.84
1887	3.27	2.41	4.55	3.15	2.30	3.25	3.90	7.86	2.48	8.11	2.40	3.73	47.41
1888	3.32	3.75	4.37	0.93	7.35	7.11	3.08	3.08	5.00	2.37	1.49	2.97	44.82
1889	4.26	5.47	5.69	9.83	3.79	4.34	11.61	7.16	4.40	7.72	3.57	0.54	68.38
1890	0.77	1.90	3.44	4.28	6.86	1.27	6.99	6.74	7.17	2.16	0.00	4.39	46.97
M'ns	3.06	2.99	3.57	3.12	3.67	3.68	4.63	4.76	3.67	3.02	2.96	3.47	42.60

HAMPTON, ELIZABETH CITY COUNTY, VA.

Elevation, 5 feet.

1869	2.90	2.50	3.00	1.50	4.70	2.80	6.10	3.50	1.10	3.80	1.20	3.55	36.65
1870	3.30	3.10	2.70	5.50	5.30	7.70	2.55	2.35	2.70	2.25	1.55	2.50	41.50
1871	2.60	3.75	7.37	3.05	3.86	4.01	5.90	5.57	2.78	4.75	4.45	2.05	50.14
1872	2.05	5.60	3.55	2.60	3.52	3.25	3.65	2.55	1.03	7.80	2.95	4.45	45.00
1873	3.32	6.50	1.20	1.38	3.85	4.48	1.77	7.97	4.47	2.35	3.03	3.48	43.80
1874	2.26	3.40	3.20	4.75	3.45	1.36	3.29	3.23	2.35	0.00	1.92	3.15	32.36
1875	4.77	2.90	6.27	2.92	1.07	0.52	2.85	14.41	3.09	2.40	3.40	3.05	47.65
1876	1.00	2.92	3.75	3.13	3.05	3.45	4.02	1.70	6.94	1.77	2.72	2.02	36.47
1877	3.42	1.18	5.43	5.56	2.93	2.96	4.73	2.10	7.53	2.60	2.05	2.07	42.56
1878	2.60	1.74	......	......	......	......	......	......	......	......	......	......	......
1893	......	......	......	0.84	5.76	5.87	......	......	3.75	2.81	6.34	3.70	......
1894	3.06	4.90	2.97	2.62	4.97	1.54	3.43	9.99	5.31	3.83	0.88	2.06	45.56
1895	3.87	2.38	4.23	5.62	7.30	6.20	4.71	2.18	0.45	2.63	2.72	3.08	45.37
1896	1.77	4.79	1.55	1.37	7.08	7.24	10.80	2.13	6.24	1.90	2.17	4.04	51.08
1897	1.87	4.94	4.70	3.11	5.00	2.43	3.27	2.42	0.78	7.84	2.36	3.27	41.99
1898	5.62	1.49	2.97	8.15	4.66	2.40	4.15	4.31	3.68	3.32	3.20	1.35	45.30
1899	2.84	8.18	5.91	1.58	2.34	3.78	6.72	3.45	0.36	5.24	0.50	1.23	42.13
1900	2.11	3.51	5.58	3.69	3.00	1.16	6.05	2.38	1.89	4.44	4.93	2.45	41.19
1901	2.82	0.88	3.02	4.12	2.59	3.22	5.60	7.69	6.30	1.23	0.63	3.40	41.50
1902	2.27	5.55	1.48	2.03	2.76	1.70	6.20	2.70	4.71	2.45	2.82	3.21	37.88
1903	3.48	3.64	5.61	4.14	1.80	5.49	4.86	5.89	1.50	7.49	2.53	2.20	48.63
1904	3.46	4.93	4.09	1.36	2.91	3.72	7.07	3.47	2.93	1.80	2.68	6.36	44.78
1905	3.37	4.37	3.04	5.76	3.24	2.69	9.26	3.69	......	1.70	1.20	4.61	......
1906	3.18	5.15	4.62	1.38	3.68	1.30	8.23	11.02	0.59	5.67	1.32	1.19	47.33
1907	1.38	3.82	3.67	4.06	2.40	2.93	2.78	3.25	1.30	1.68	5.99	3.41	36.67
1908	3.45	3.27	5.43	......	3.86	5.70	5.91	9.59	1.93	......	2.42	3.23	......
M'ns	2.91	3.82	4.06	3.34	3.80	3.52	5.16	4.90	3.07	3.55	2.64	3.00	43.77

NEWPORT NEWS, WARWICK COUNTY, VA. Elevation, 55 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899	2.05	5.41	6.94	2.38	2.32	4.47	......	2.46	0.63	2.71	0.88	......	......
1900	1.68	1.42	......	......	3.50	2.65	4.65	3.30	1.90	4.89	5.54	2.05	......
1901	1.80	0.85	3.25	1.90	8.38	3.65	6.04	11.19	6.87	1.78	0.20	4.59	50.50
1902	2.23	5.80	2.10	3.20	2.75	1.20	5.15	3.25	3.94	3.80	2.78	3.80	40.00
1903	3.65	3.68	5.95	3.25	2.70	9.67	6.44	5.51	0.30	6.83	2.60	2.65	53.23
1904	3.10	4.40	3.99	1.51	3.09	5.47	6.73	3.67	4.12	1.52	2.62	5.86	46.08
1905	3.20	4.48	3.06	4.83	3.08	3.09	8.94	5.94	3.50	2.14	0.96	4.36	47.58
1906	3.63	5.08	4.94	1.41	2.76	1.97	9.24	12.54	1.18	7.30	1.30	3.41	54.76
1907	1.91	4.52	3.17	4.68	3.22	3.51	2.93	4.45	2.83	1.84	5.09	3.80	41.95
1908	4.05	3.53	5.65	1.14	5.18	5.29	5.94	8.51	2.27	2.40	1.26	4.22	49.44
M'ns	2.73	3.92	4.34	2.70	3.70	4.10	6.23	5.98	2.75	3.52	2.32	3.86	47.25

NORFOLK, NORFOLK COUNTY, VA. Elevation, 91 feet.

1871	3.03	6.03	8.64	3.17	4.51	5.98	7.59	8.07	4.16	4.14	5.76	2.17	63.25
1872	2.91	7.33	4.61	3.53	5.68	5.06	3.63	3.20	2.40	9.89	3.10	5.70	57.04
1873	4.68	6.76	2.03	1.79	5.01	4.61	2.90	7.45	7.13	3.64	4.13	5.30	55.43
1874	2.09	4.79	4.26	5.97	3.97	3.49	8.81	5.24	3.78	0.04	3.39	4.58	50.41
1875	5.89	2.95	8.09	3.23	2.29	1.38	4.72	10.37	2.05	3.21	3.64	5.14	50.96
1876	1.37	3.96	4.10	2.72	4.42	4.10	5.50	4.54	9.09	1.52	3.28	1.94	46.54
1877	3.85	1.47	4.85	9.98	2.84	4.79	7.97	3.78	11.90	7.82	5.55	4.34	69.14
1878	6.02	2.06	1.21	4.50	6.01	5.13	2.02	9.95	2.25	5.03	3.13	4.56	51.87
1879	3.26	2.75	4.29	2.15	2.48	2.57	3.90	9.90	3.77	0.25	0.42	2.34	38.08
1880	1.42	1.69	5.34	1.83	0.54	5.34	7.93	9.90	4.07	3.08	5.64	4.75	51.53
1881	3.55	2.88	3.38	4.06	1.49	3.74	6.47	1.74	2.67	2.43	6.04	1.61	40.06
1882	6.40	3.58	3.33	3.23	5.87	3.12	4.90	4.53	8.07	6.67	1.88	6.09	57.67
1883	6.91	3.84	3.03	9.76	4.09	6.52	3.87	2.91	6.63	3.79	0.55	2.40	54.30
1884	5.94	4.58	9.13	1.95	1.25	6.45	7.06	2.95	0.17	0.47	0.74	4.36	45.05
1885	4.03	3.79	3.04	1.92	6.16	3.48	3.22	2.39	3.31	3.33	4.64	3.94	43.25
1886	2.93	4.03	2.36	3.16	8.32	5.34	4.23	10.23	4.63	1.31	1.94	5.85	54.33
1887	3.64	2.61	4.38	3.37	1.94	2.72	5.33	8.56	3.06	6.38	1.69	4.06	47.74
1888	4.42	2.41	4.55	0.97	8.46	5.79	5.26	7.81	6.10	3.94	3.71	3.22	56.64
1889	4.88	4.21	7.52	11.87	4.58	4.75	10.69	5.93	5.41	7.56	2.55	0.77	70.72
1890	1.13	1.98	4.06	3.70	4.03	2.79	6.33	9.36	6.64	3.96	0.23	6.01	50.22
1891	2.86	5.10	8.09	1.88	3.58	1.56	8.90	5.87	2.43	6.89	2.11	1.36	50.63
1892	4.99	5.22	3.61	6.86	3.76	4.83	8.27	3.56	1.33	0.52	2.38	3.91	49.24
1893	2.55	4.04	3.32	2.07	6.79	8.36	6.11	5.71	6.29	2.86	6.75	3.05	57.90
1894	3.54	5.53	2.94	2.11	3.47	3.36	8.01	8.45	6.49	6.05	0.86	2.28	53.09
1895	4.30	2.62	5.36	6.07	8.60	2.39	4.36	2.58	0.19	1.99	3.41	3.54	45.41
1896	1.89	4.39	1.67	1.18	6.63	7.91	7.26	2.05	3.47	2.15	2.41	3.21	44.22
1897	1.47	4.03	4.38	1.51	5.36	1.98	4.42	2.08	2.01	8.70	2.84	3.88	42.66
1898	1.44	1.48	3.51	6.69	5.12	3.76	8.89	8.48	3.34	5.63	2.90	1.90	53.14
1899	3.05	5.55	6.12	1.95	1.69	5.67	5.87	2.73	0.37	3.47	0.70	1.24	38.41
1900	2.13	3.75	4.16	4.43	2.74	2.52	6.51	3.37	1.92	2.22	3.34	2.25	39.34
1901	2.09	1.15	3.24	4.40	2.59	3.77	3.15	9.92	5.80	2.34	0.81	3.35	42.61
1902	2.15	4.66	2.44	1.79	3.16	2.88	3.74	4.51	4.82	2.86	3.05	2.42	38.48
1903	1.94	3.24	6.01	4.34	2.27	3.40	4.00	7.68	2.79	6.08	2.14	2.21	46.10
1904	3.19	3.56	3.67	1.13	2.62	4.17	6.56	4.24	4.02	2.26	1.96	5.22	42.60
1905	2.99	4.43	2.80	3.88	2.30	2.26	7.22	6.83	3.92	1.78	0.90	3.98	43.29
1906	2.57	4.35	3.97	1.54	4.99	2.48	8.90	11.20	0.66	4.69	0.91	2.97	49.23
1907	1.03	4.01	3.37	3.21	3.20	3.56	4.46	3.89	3.01	1.19	4.52	3.27	38.72
1908	2.92	2.79	4.50	3.26	3.99	4.56	5.78	8.00	2.28	2.36	0.83	2.98	44.25
M'ns	3.30	3.78	4.35	3.31	4.13	4.12	5.91	6.05	4.01	3.75	2.76	3.42	49.29

FARMVILLE, PRINCE EDWARD COUNTY, VA. Elevation, 316 feet.

1897	......	......	4.20	1.01	3.65	3.85	6.93	0.33	T.	4.83	1.50	1.95	......
1898	0.65	......	3.09	4.23	5.49	2.80	6.63	3.67	3.01	4.81	2.25	3.35	......
1899	3.55	6.14	9.72	1.82	2.84	4.61	2.50	8.02	2.98	......	1.95	1.02	......
1900	......	......	2.87	3.30	2.48	......	3.58	1.82	2.68	1.48	1.82	4.00	......
1901	2.95	1.45	3.10	6.00	9.97	2.20	4.20	......	3.40	0.10	1.40	......	......
1902	2.30	2.25	......	2.05	1.30	5.55	2.62	2.60	2.15	7.00	......	3.90	......
1903	4.50	4.70	......	4.12	2.05	3.70	5.40	5.78	2.10	3.55	......	2.00	......
1904	......	2.80	3.10	1.20	4.90	4.24	3.14	2.70	......	......	3.83	1.60	......
1905	2.44	1.70	1.68	2.34	3.61	......	1.75	2.15	......	......	......	......	......
1906	2.57	0.85	......	1.33	2.68	......	......	10.69	0.90	7.98	0.80	......	......
M'ns	2.71	2.84	3.97	2.74	3.90	3.85	4.08	4.20	2.15	4.25	1.94	2.54	39.17

BLACKWATER BASIN GROUP.

SPOTTSVILLE (NEAR), SURRY COUNTY, VA. Elevation, 15 feet.

1867	......	......	......	......	......	......	......	......	......	......	......	5.18	......
1870	6.88	7.76	......	8.58	7.85	6.06	2.40	2.00	1.68	2.75	2.54	3.80	......
1871	......	6.34	10.05	3.25	......	......	2.70	3.03	......	......	......	2.50	......
1888	......	......	......	......	......	......	......	......	......	3.05	3.80	2.50	......
1889	3.66	4.45	5.62	11.40	5.45	8.82	7.05	6.00	5.50	7.25	5.80	0.85	71.85
1890	0.90	3.00	4.95	1.95	......	......	......	......	......	......	......	......	......
1891	......	......	......	......	......	......	......	......	......	6.29	2.69	2.05	......
1892	5.10	3.88	3.73	5.99	4.06	5.82	4.38	5.01	3.51	0.39	3.85	2.72	48.44
1893	2.89	6.22	3.95	1.57	5.95	2.98	5.74	4.99	4.94	6.66	6.52	4.60	57.01
1894	2.99	4.51	2.89	2.67	3.86	2.79	6.90	6.03	6.86	5.06	1.29	2.02	47.87
1895	4.03	2.27	5.40	5.87	5.05	3.43	4.15	2.46	0.40	1.90	2.27	2.45	39.68
1896	2.81	6.26	2.92	1.54	7.75	5.78	11.23	1.76	4.14	1.38	1.97	2.98	50.52
1897	2.06	6.82	6.97	2.06	5.28	0.71	3.99	2.91	2.03	9.64	3.25	3.23	48.95
1898	1.64	1.26	4.44	6.37	4.32	3.80	7.80	9.90	2.70	4.40	4.77	1.89	53.29
1899	3.12	6.99	6.51	2.59	2.19	4.09	6.92	4.41	1.45	4.41	1.11	2.36	46.15

SPOTTSVILLE (NEAR), SURRY COUNTY, VA.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900	2.20	4.10	5.02	3.07	3.84	3.30	3.50	4.10	1.72	4.87	3.49	2.71	41.92
1901	2.45	0.80	3.53	6.53	4.21	2.60	4.63	8.32	6.46	1.72	0.86	5.82	47.93
1902	3.08	6.78	1.81	3.77	2.89	2.96	3.91	4.95	5.01	1.48	2.78	4.32	43.74
1903	3.09	4.19	6.71	5.32	1.59	5.73	3.33	7.30	1.67	5.48	2.94	2.49	49.84
1904	2.64	4.07	3.54	1.59	2.92	7.02	6.07	5.22	3.46	2.30	2.72	4.42	45.97
1905	4.04	4.29	3.70	5.42	4.07	5.72	7.45	3.68	3.57	1.49	1.29	4.13	48.85
1906	3.79	5.62	5.43	2.74	3.59	5.07	8.78	14.81	0.83	6.37	1.15	3.70	61.88
1907	2.31	3.92	4.95	4.22	4.44	5.41	9.38	5.57	4.73	1.81	4.81	4.23	55.78
1908	4.13	4.14	5.71	2.54	4.16	5.26	6.88	6.98	1.90	3.31	1.37	4.34	50.72
M'ns	2.85	3.98	4.39	3.68	3.98	4.28	5.60	5.22	3.20	3.76	2.80	2.77	46.51

SUNBEAM, SOUTHAMPTON COUNTY, VA. Elevation, 60 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894	......	......	......	......	......	......	......	......	......	......	.....	2.20	......
1895	3.85	2.48	5.26	6.34	5.62	5.16	7.91	4.23	0.05	2.49	2.40	2.74	48.53
1896	2.26	6.51	3.26	1.88	8.72	8.18	10.21	5.34	6.31	1.18	2.92	3.59	60.36
1897	2.22	5.60	5.67	3.86	4.06	1.23	4.13	3.04	1.02	7.30	2.84	3.40	44.37
1898	1.71	1.11	3.91	4.50	4.51	2.99	6.10	3.48	3.19	4.91	3.62	1.85	41.88
1899	3.49	6.90	7.22	2.89	3.93	4.77	10.41	6.02	1.38	5.17	0.75	2.37	55.30
1900	2.41	4.65	6.11	5.14	2.66	4.12	6.51	5.23	1.72	1.92	......	......	......
M'ns	2.66	4.54	5.24	4.10	4.92	4.41	7.54	4.56	2.28	3.83	2.51	2.69	49.28

CALLAVILLE, BRUNSWICK COUNTY, VA. Elevation, 250 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894	......	......	......	......	......	......	......	......	......	......	1.31	2.65	......
1895	3.56	1.78	4.55	9.61	3.14	2.59	7.85	3.40	2.24	1.52	2.09	2.31	44.64
1896	2.89	6.20	4.08	1.42	5.65	5.91	10.23	1.63	3.89	1.29	1.98	2.84	48.01
1897	1.95	6.38	5.88	2.05	3.25	0.99	5.03	2.52	1.67	5.09	3.19	2.45	40.45
1898	1.68	0.70	3.68	4.19	6.24	2.01	4.00	2.77	2.62	4.38	3.35	1.93	37.55
1899	2.80	6.11	6.88	2.46	5.62	2.48	5.53	0.98	3.26	6.11	1.00	2.08	45.31
1900	3.16	4.44	3.63	2.99	3.18	1.48	2.60	1.13	2.77	0.95	4.77	2.60	33.70
1901	2.21	2.51	3.73	5.61	7.08	2.54	2.44	7.52	4.71	2.18	1.10	3.86	47.49
1902	2.51	......	2.59	4.02	......	2.80	3.69	4.07	3.27	3.22	1.78	4.14	......
1903	2.09	5.12	9.85	4.24	0.85	4.97	7.95	6.02	1.17	4.52	1.95	2.08	51.62
1904	3.55	3.48	4.10	2.05	2.11	7.60	5.44	9.27	......	2.60	3.35	4.71	......
1905	2.76	4.35	3.90	3.15	4.17	1.52	5.84	7.20	2.55	2.01	1.16	6.17	44.58
1906	4.02	3.22	4.90	3.06	3.17	4.97	10.69	16.75	1.29	4.95	0.28	4.15	61.45
1907	1.79	3.47	4.78	3.52	5.65	7.33	1.95	4.16	9.19	1.01	......	......	......
1908	7.07	3.75	6.10	3.07	3.99	......	......	......	2.03	1.65	2.02	5.13	......
M'ns	3.05	3.96	5.05	3.67	4.16	3.63	5.63	5.19	3.13	2.96	2.10	3.36	45.89

ROANOKE-STAUNTON BASIN GROUP.

CLARKSVILLE, MECKLENBURG CO., VA. Elevation, (approximate), 250 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891	4.50	**5.00**	7.96	2.03	6.80	3.60	5.84	12.41	1.48	1.60	3.08	1.69	55.98
1892	5.70	4.53	2.50	2.75	3.25	4.58	2.01	0.77	4.15	0.40	3.01	2.61	36.26
1893	1.93	6.18	1.75	1.24	5.84	2.24	5.32	5.05	3.40	5.42	1.70	3.16	**43.23**
1894	2.96	4.77	1.75	2.54	4.48	2.46	4.90	3.59	......	......	......	......	......
1895	......	......	3.95	9.86	3.52	2.84	4.48	5.22	......	......	......	......	......
1896	......	......	4.16	5.40	4.46	3.17	9.47	0.28	......	......	......	......	......
1897	**1.50**	**5.50**	4.58	2.85	4.59	2.68	**5.50**	1.16	0.25	1.15	1.03	2.45	33.24
1898	1.55	**0.68**	2.10	2.90	5.46	4.18	4.27	3.42	4.10	3.38	1.80	1.65	**35.49**
1899	3.95	5.82	5.23	1.55	2.08	4.33	3.76	2.69	......	......	......	......	......
1900	......	......	1.55	2.48	2.66	2.36	2.56	1.97	......	......	......	......	......
1901	......	......	3.70	4.30	6.27	1.65	4.32	8.65	.....	......	......	......	......
1902	......	......	1.40	1.15	3.40	2.55	4.50	2.70	4.45	3.30	2.35	4.43	......
1903	2.48	5.74	7.14	6.43	1.49	3.31	2.34	4.36	2.20	1.63	1.55	2.05	41.08
1904	3.63	......	2.15	1.50	3.95	1.99	5.02	3.37	......	0.68	3.10	3.55	......
1905	2.68	4.84	2.21	4.96	5.41	3.05	6.85	6.84	2.56	2.02	0.75	6.57	48.74
1906	3.65	3.12	4.03	2.66	3.30	4.23	8.43	10.49	0.69	4.02	0.67	2.40	47.69
1907	0.66	3.33	3.42	4.37	4.61	7.55	5.05	2.62	4.27	1.20	5.74	5.77	48.59
1908	3.86	3.95	4.21	1.72	5.50	6.81	2.65	8.78	3.19	5.14	1.42	4.92	52.15
M'ns	3.03	4.46	3.54	3.37	4.29	3.53	4.85	4.69	2.76	2.50	2.18	3.44	42.64

*SAXE, CHARLOTTE COUNTY, VA. Elevation, 350 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889	......	......	......	......	......	......	11.24	4.18	5.50	4.76	3.64	0.57	......
1890	1.37	3.79	3.78	2.02	5.91	2.77	5.79	3.75	4.03	7.45	0.20	4.82	45.68
1891	3.71	5.40	7.95	2.26	7.07	4.10	6.22	5.09	1.25	2.81	3.22	1.60	50.68
1892	......	......	3.45	3.80	......	5.42	0.79	2.06	1.96	0.55	4.28	......	......
1894	......	......	......	......	......	1.62	4.77	2.48	3.28	4.37	1.15	1.52	.....
1895	5.38	2.50	2.71	4.77	3.16	2.66	2.47	1.83	0.40	2.35	1.38	1.12	30.73
1896	1.85	3.15	4.05	1.43	7.15	3.34	4.69	1.93	4.18	0.52	3.49	1.30	37.08
1902	......	......	......	......	......	......	......	5.40	4.12	5.22	3.31	3.65	......
1903	4.01	5.67	6.39	4.72	3.89	3.10	4.53	3.68	2.93	2.34	1.59	2.38	45.23
1904	2.30	2.97	2.85	1.41	2.62	6.08	3.82	6.09	1.62	1.54	2.60	3.16	37.06
1905	2.50	3.52	2.56	3.79	5.13	2.00	7.34	5.14	3.24	2.26	0.44	5.58	43.50
1907	......	......	......	......	......	......	.....	......	2.94	......	5.30	3.65	......
1908	3.90	3.75	3.56	2.43	4.32	4.46	6.53	6.51	2.35	3.33	1.13	3.29	45.56
M'ns	3.13	3.84	4.14	2.96	4.91	3.46	5.34	4.04	2.98	3.12	2.44	2.72	43.08

DANVILLE, PITTSYLVANIA COUNTY, VA. Elevation, 413 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891	**7.00**	**4.60**	**7.00**	3.82	5.49	1.81	8.53	8.83	1.03	1.76	3.14	1.85	**54.86**
1892	5.04	2.83	3.04	2.00	3.08	3.82	7.14	3.32	2.01	0.46	4.07	1.79	39.60
1893	2.29	5.28	2.12	2.25	6.86	2.77	1.41	8.05	6.80	7.07	1.57	2.02	48.49
1894	2.61	5.53	1.29	1.42	4.38	0.51	2.95	3.31	......	......	......	......	....
1895	......	......	3.43	6.95	3.85	2.02	5.86	2.23	......	......	......	......	......
1896	......	......	3.79	1.38	3.99	4.60	9.37	0.54	......	......	......	......	......
1897	......	......	4.13	2.23	4.83	2.08	5.57	5.17	......	......	......	......	......
1898	......	......	2.35	2.43	3.87	4.00	2.35	4.97	......	......	......	......	......
1899	......	......	7.02	2.48	3.39	6.24	3.85	3.24	......	......	......	......	......
1900	......	......	3.15	1.94	2.67	2.70	3.25	0.13	......	......	......	......	......
1901	......	......	3.18	4.90	6.45	2.11	6.28	9.62	......	......	......	......	......

*Mossingford, 1889-1892, inclusive; Smithville, 1894-1896, inclusive.

DANVILLE, PITTSYLVANIA COUNTY, VA.—Continued.

Year.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902	**2.18**	**6.36**	3.50	1.70	2.53	3.95	1.60	1.53	3.05	6.39	2.73	4.14	**39.66**
1903	3.71	5.62	5.80	4.55	2.88	5.45	1.61	2.36	1.19	2.04	2.11	1.85	39.17
1904	2.16	2.96	3.14	1.00	2.59	4.23	4.86	5.18	3.93	0.92	1.50	3.02	35.49
1905	3.18	3.69	2.68	4.27	8.36	1.03	7.56	3.59	2.78	1.81	0.34	6.72	46.01
1906	6.05	1.56	4.19	2.20	4.63	5.78	7.23	7.22	1.72	2.55	0.46	2.79	46.38
1907	0.33	2.49	2.52	4.06	1.30	8.06	2.06	0.91	2.60	0.92	4.41	4.37	34.03
1908	3.23	3.79	2.51	1.84	4.34	3.67	3.00	7.36	1.91	3.17	1.63	4.48	40.93
M'ns	3.53	4.06	3.60	2.86	4.19	3.60	4.69	4.31	2.70	2.71	2.20	3.30	41.75

ROCKY MOUNT, FRANKLIN COUNTY, VA. Elevation, 1,150 feet.

Year.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894	......	......	......	......	2.92	1.12	3.44	1.32	2.91	3.04	1.60	3.40	......
1895	4.89	1.75	4.03	5.24	4.87	3.81	4.83	1.75	T.	2.29	6.45	3.70	43.61
1896	2.93	3.94	6.63	2.55	2.85	5.24	9.70	2.61	5.45	0.50	5.60	0.43	48.43
1897	2.21	9.25	3.51	2.34	5.03	1.09	1.91	2.65	1.02	3.75	2.22	3.80	38.78
1898	2.70	0.60	2.97	2.58	4.25	3.34	7.75	7.48	5.77	8.81	2.44	4.13	52.82
1899	4.04	5.64	9.39	2.10	2.81	5.56	5.00	1.63	4.85	3.77	2.45	1.65	48.89
1900	5.08	5.89	4.90	4.70	2.65	7.51	0.65	0.70	4.35	3.65	3.05	3.10	46.23
1901	3.94	1.45	3.20	7.52	......	**5.86**	**4.42**	**7.48**	**1.74**	**0.72**	**1.24**	**8.10**	**51.76**
1902	**3.30**	**6.36**	**3.37**	**1.74**	**1.68**	5.38	2.04	1.61	3.08	7.33	3.17	5.41	**44.47**
1903	4.96	5.84	7.64	3.53	2.63	7.10	4.40	4.12	3.52	2.21	1.68	1.98	49.61
1904	1.61	1.86	2.36	1.76	4.79	7.82	6.18	4.31	1.22	0.36	1.72	3.43	37.42
1905	3.17	3.36	1.91	2.63	5.47	3.46	9.26	6.22	4.67	3.46	0.56	7.51	51.68
1906	4.23	1.00	4.27	1.56	1.53	4.51	8.61	7.73	3.04	9.54	3.19	2.18	51.39
1907	0.76	2.11	3.48	4.85	2.11	8.05	3.12	1.90	6.17	0.64	4.91	4.57	42.67
1908	4.41	5.46	2.41	3.41	4.69	6.81	3.93	5.46	2.14	5.90	1.00	**2.80**	**48.42**
M'ns	3.44	3.89	4.29	3.32	3.45	5.11	5.02	4.02	3.33	3.73	2.75	3.75	46.10

BEDFORD CITY, BEDFORD COUNTY, VA. Elevation, 947 feet.

Year.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889	......	......	......	......	......	......	......	......	......	3.86	5.11	0.62	......
1890	1.49	4.69	2.48	1.59	3.85	2.61	3.31	2.77	4.32	4.17	0.55	3.26	35.09
1891	3.70	4.55	**7.52**	**2.84**	6.36	2.61	5.63	7.06	1.54	0.24	3.39	4.04	49.48
1892	4.03	2.99	2.84	3.87	1.95	5.56	4.05	1.75	4.00	0.29	2.92	1.58	35.83
1893	1.35	5.30	1.10	3.08	5.26	3.94	2.73	7.12	6.34	7.74	1.50	......	......
1894	2.73	4.03	0.68	1.51	3.27	1.41	1.88	4.54	**2.53**	4.19	1.35	2.47	**30.58**
1895	3.62	2.05	3.19	4.90	4.35	2.39	**5.44**	2.46	0.25	1.46	2.04	3.83	**35.98**
1896	2.16	4.30	5.13	1.89	1.82	**5.48**	**6.94**	3.55	6.75	**1.04**	**5.22**	**0.98**	**45.24**
1897	**1.81**	**8.60**	3.10	1.50	3.70	3.68	1.70	0.87	1.00	3.63	2.52	3.55	**35.66**
1898	2.48	1.02	4.03	3.21	7.81	2.53	4.26	3.67	4.08	8.66	2.05	4.16	47.96
1899	3.96	......	**8.12**	**2.87**	.....	5.76	5.22	6.86	4.27	2.18	0.69	1.82	......
1900	4.39	5.57	1.56	3.93	2.92	4.67	3.65	1.31	5.30	2.93	1.87	4.25	42.35
1901	2.68	0.90	3.72	6.13	4.99	4.24	5.07	15.17	2.73	0.43	1.34	8.10	55.50
1902	......	5.40	3.86	1.73	1.91	4.58	2.49	2.34	1.94	6.52	2.17	2.86	......
1903	5.14	5.48	5.63	2.92	0.77	8.04	1.79	4.06	2.97	**2.03**	**1.76**	**1.66**	**42.25**
1904	**1.82**	**2.29**	**2.37**	**1.83**	**3.75**	**5.16**	**3.82**	0.98	1.37	0.54	**1.45**	......	......
M'ns	2.95	4.08	3.69	2.92	3.84	4.18	3.87	4.30	3.29	3.12	2.25	3.08	41.57

ROANOKE, ROANOKE COUNTY, VA. Elevation, 907 feet.

Year.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901	......	......	......	......	......	......	......	......	4.37	0.90	**1.24**	8.17	......
1902	2.63	7.32	2.88	**2.24**	1.45	3.95	2.40	0.90	2.58	5.65	5.00	......	......
1903	4.20	5.21	7.25	3.86	0.98	6.68	1.14	3.52	4.15	2.41	1.88	1.25	42.53
1904	2.25	1.75	2.45	2.36	4.50	8.86	6.07	2.62	2.16	**0.21**	1.50	3.21	**37.94**
1905	3.58	3.53	1.97	2.09	7.15	2.75	10.78	1.69	4.25	2.90	0.36	3.71	44.76
1906	3.93	......	4.34	**1.88**	5.17	4.83	4.11	7.88	......	......	2.20	1.60	......
1907	0.68	**1.34**	3.22	4.14	3.28	6.70	1.68	1.85	......	......	4.49	4.43	......
1908	4.02	3.80	3.06	2.74	**3.98**	**4.70**	5.20	......	......	......	......	......	......
M'ns	3.04	3.82	3.60	2.76	3.79	5.50	4.48	3.08	3.50	2.41	2.38	3.73	42.09

SALEM, ROANOKE COUNTY, VA. Elevation, 1,000 feet.

Year.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903	1.05	4.69	1.54	2.94	6.70	4.16	**1.50**	**6.00**	7.57	6.66	1.66	1.16	45.63
1894	1.61	3.38	0.95	1.42	2.74	1.99	3.77	1.96	2.66	3.00	0.78	3.00	27.28
1895	6.73	1.85	3.35	4.73	3.67	2.31	6.97	4.66	1.59	0.76	1.85	3.76	42.23
1896	2.82	4.37	5.77	2.46	2.01	4.79	6.53	1.41	4.92	0.53	5.16	0.41	41.18
1897	1.69	7.56	3.73	1.56	4.03	1.31	3.64	1.76	2.56	4.17	1.25	3.82	37.08
1898	2.95	0.58	3.35	1.99	6.74	2.82	5.06	4.14	3.66	8.63	1.50	2.58	44.00
1899	3.37	6.09	5.87	2.59	2.35	3.27	3.46	4.44	4.44	2.08	1.24	2.13	41.33
1900	3.73	4.03	4.80	2.89	3.12	4.20	2.41	0.33	5.43	5.18	**4.00**	**3.35**	43.47
1901	2.20	0.76	3.43	6.31	8.21	7.35	6.02	10.90	3.59	0.71	1.07	6.71	57.26
M'ns	2.91	3.70	3.64	2.99	4.40	3.73	4.37	3.96	4.05	3.52	2.06	2.99	42.32

BLACKSBURG, MONTGOMERY COUNTY, VA. Elevation, 2,170 feet.

Year.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891	......	......	......	2.99	6.09	3.97	2.90	......	......	......	......	2.87	......
1892	2.99	1.32	1.54	3.00	3.35	1.60	1.77	4.79	......	......	3.87	0.51	......
1893	1.78	3.69	0.86	1.99	6.79	3.68	1.14	3.29	2.64	**2.50**	0.73	1.19	30.28
1894	1.69	3.40	1.00	1.17	2.87	2.00	3.52	2.00	1.84	2.82	0.83	2.81	25.95
1895	6.29	1.86	2.49	3.67	3.93	2.67	5.93	1.59	0.79	1.38	1.44	3.41	35.45
1896	1.51	3.65	6.53	3.71	2.08	5.38	7.18	3.84	4.83	1.16	4.52	0.50	44.89
1897	1.65	6.93	3.87	1.69	4.23	2.34	6.17	3.49	1.19	3.54	1.34	3.67	40.11
1898	2.96	0.88	3.99	1.96	5.83	3.13	3.70	3.49	3.42	5.21	1.89	2.68	39.14
1899	3.75	6.43	6.50	2.52	3.96	7.31	3.38	3.80	3.36	1.58	1.21	1.55	43.35
1900	2.04	3.95	4.57	2.20	3.19	4.48	5.45	1.80	4.39	3.76	4.55	3.37	43.75
1901	2.85	0.74	3.41	5.88	6.71	6.78	4.51	10.53	2.59	0.96	1.02	7.48	53.46
1902	3.35	3.40	3.42	1.75	1.85	2.90	4.09	1.06	2.22	3.06	4.20	2.43	33.73
1903	3.96	5.61	5.68	4.02	0.88	4.62	6.29	3.68	4.96	1.87	1.94	1.25	44.76
1904	1.90	2.04	2.43	2.19	2.38	7.42	4.13	4.00	0.27	0.13	2.24	3.12	32.25
1905	2.89	6.07	2.53	1.59	7.45	2.57	12.49	6.20	2.20	3.01	1.18	3.76	51.94
1906	4.17	0.82	3.77	1.73	1.28	4.30	5.86	8.63	4.72	4.23	2.23	3.04	44.78
1907	1.97	2.02	3.96	4.39	2.70	8.40	2.28	2.45	6.83	1.13	4.97	2.23	43.33
1908	3.28	3.62	3.51	4.41	5.67	4.26	4.85	4.86	3.07	6.41	1.44	2.06	47.44
M'ns	2.88	3.32	3.53	2.83	3.96	4.10	4.76	4.09	3.08	2.67	2.33	2.66	40.21

HYDROGRAPHIC DATA FOR SECTION 92.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY,

BY R. H. BOLSTER, ASSISTANT ENGINEER.

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.

This Section comprises the upper portion of Roanoke River on the west and mountain streams flowing into Albemarle Sound in the east.

The Roanoke River is formed by the North and South Forks, which rise among the eastern foothills of the Appalachian Mountains and unite near Lafayette, at the eastern edge of Montgomery County. From this junction the river flows in a general southeasterly direction and empties into Albemarle Sound in North Carolina. The total drainage area is about 9,200 square miles. The section of river extending from a short distance below Roanoke to the junction of the Dan is known locally as Staunton River and was so called in the reports of the United States Geological Survey prior to 1905.

The principal tributary is Dan River, which rises in Surry County, N. C., and Patrick County, Va., and empties into the Roanoke near Clarksville, in the southwestern part of Mecklenburg County, Va. This is by far the largest tributary, the remaining streams being relatively small and unimportant.

The drainage basin of the Roanoke is divided into two nearly equal parts by the fall line, which crosses the river between Weldon and Gaston. The eastern part which is known geologically as the Coastal Plain, is built up of unconsolidated sands, gravels, loams, clays, and marls of recent geologic age. It is low and flat and so poorly drained that a large percentage of the area is swampy. The general slope of this section of the basin is from 1 to 3 feet per mile. The river is sluggish and is navigable by light draft-boats at all seasons as far west as Weldon. Above the fall line (in the region known as the Piedmont Plateau) the country is more broken and the river has more fall, having cut its bed down to the underlying rocks. Building stones are found in abundance in the different sections. Along the river are many fine bottoms which contain some of the best farming lands in the vicinity. The surface is undulating, and the hills rise higher and higher toward the western margin. The range of altitude within the entire basin is 3,000 feet.

The Coastal Plain section of the drainage Section is quite heavily timbered, and large quantities of timber and shingles are shipped. In the Piedmont plateau area the percentage of forest covering has not been ascertained except for the portion drained by the Dan, in which there are extensive timbered areas.

There are no lakes within the Roanoke drainage basin, but owing to the hilly character of the upper basin it is probable that sites for reservoirs of moderate capacity exist. Especially is this true for the portion of the basin drained by Dan River. Here the river bed is solid rock, overlaid with sands and gravel between the rapids, affording excellent facilities for dams.

In 1905 a survey of Roanoke River was made by the United States Geological Survey from Roanoke, Va., to Weldon, N. C. This survey showed that the fall between the two points was 976 feet in a distance of 231 miles, or an average of 4.2 feet per mile.

Underground water in small amounts can probably be obtained almost anywhere within the Piedmont plateau. The waters of the springs of this region contain large amounts of mineral matter and are extensively used for medicinal purposes. Few deep wells have been sunk, but it is probable that moderate amounts of water would be obtained in a considerable percentage of the wells drilled. The region is subject to heavy rainstorms, which produce floods that rise very rapidly and subside as quickly.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: The maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile, on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during the month was conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

MONTHLY DISCHARGE OF DAN RIVER AT SOUTH BOSTON, VA., FOR PERIOD SEPTEMBER 1, 1900, TO DECEMBER 31, 1906.

[Drainage area, 2,750 square miles.]

MONTH.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	30,200	750	4,260	1.55	1.79
February	38,300	1,050	4,850	1.76	1.83
March	42,600	1,600	4,960	1.81	2.09
April	38,800	1,320	4,620	1.68	1.87
May	45,600	1,420	4,000	1.45	1.67
June	20,600	976	2,990	1.09	1.22
July	44,200	824	3,680	1.34	1.54
August	36,600	876	4,420	1.61	1.86
September	10,800	700	2,080	.756	.84
October	13,600	375	2,150	.782	.90
November	4,600	1,360	1,760	.640	.71
December	51,200	1,400	3,590	1.30	1.50
The period	51,200	375	3,610	1.31	17.82

MONTHLY DISCHARGE OF ROANOKE RIVER AT ROANOKE, VA., FOR PERIOD AUGUST 1, 1896, TO JULY 31, 1906.

[Drainage area, 388 square miles.]

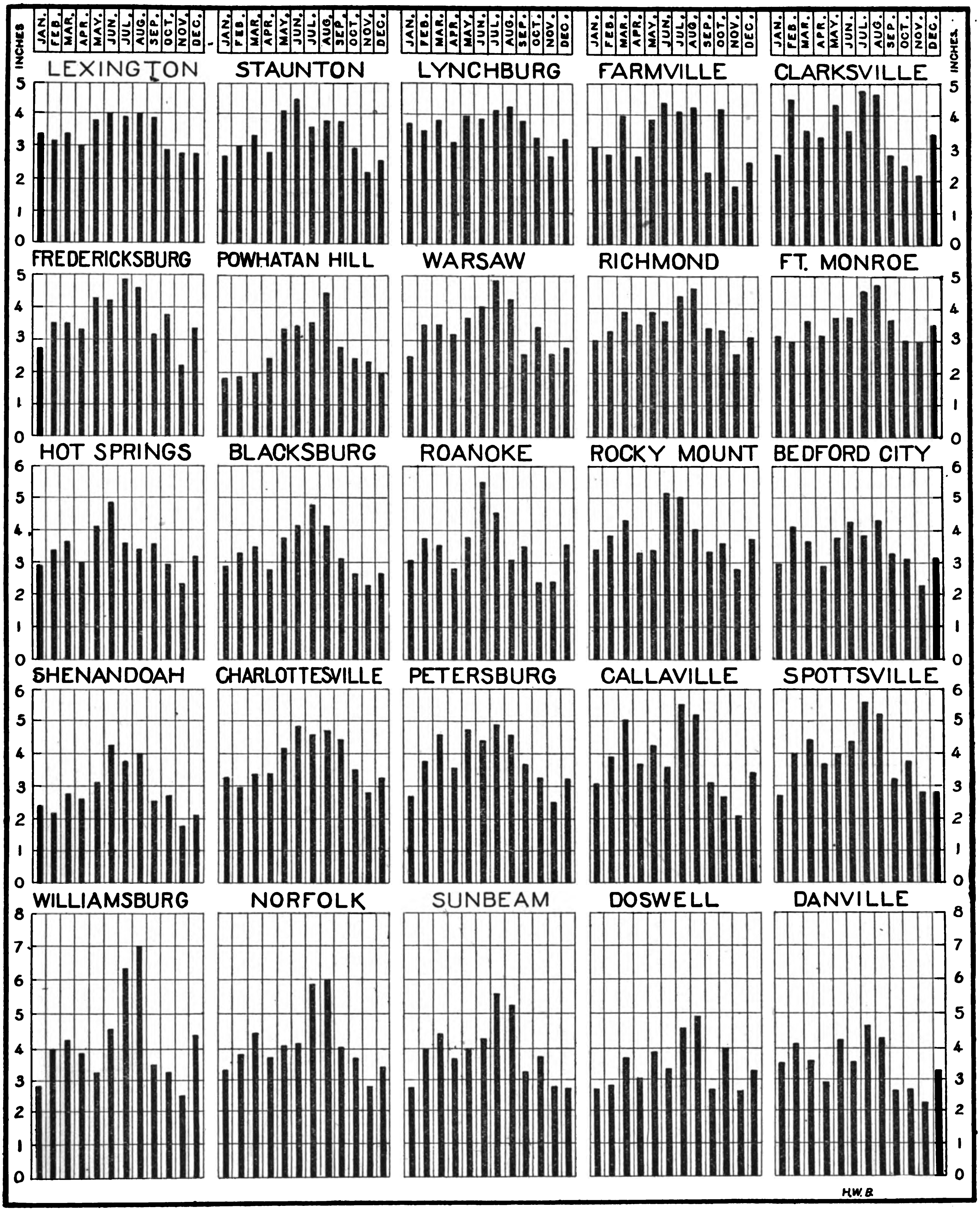
MONTH.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	5,400	67	512	1.32	1.52
February	11,100	58	821	2.12	2.21
March	8,510	76	924	2.38	2.74
April	11,600	244	645	1.66	1.85
May	13,600	85	566	1.46	1.68
June	1,960	87	374	.964	1.08
July	8,170	67	361	.921	1.07
August	16,900	76	410	1.06	1.22
September	6,620	61	265	.683	.76
October	4,260	82	274	.706	.81
November	8,580	70	256	.661	.74
December	13,600	70	436	1.12	1.29
The period	16,900	58	487	1.26	16.97

MONTHLY DISCHARGE OF ROANOKE RIVER AT RANDOLPH, VA., FOR PERIOD JANUARY 1, 1901, TO DECEMBER 31, 1905.

[Drainage area, 3,080 square miles.]

MONTH.	Discharge in second-feet.				Run-off.
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drainage area.
January	36,000	1,059	4,360	1.42	1.64
February	51,000	1,620	6,800	2.20	2.29
March	40,600	1,950	6,200	2.01	2.32
April	36,900	1,540	5,170	1.68	1.87
May	37,900	1,540	4,340	1.41	1.63
June	24,400	1,260	3,770	1.22	1.36
July	29,000	725	3,890	1.26	1.45
August	44,400	1,300	4,810	1.56	1.80
September	23,900	925	3,030	.984	1.10
October	38,200	590	2,540	.825	.95
November	8,600	785	1,910	.620	.69
December	75,100	1,230	4,700	1.53	1.76
The period	75,100	590	4,290	1.39	18.86

NOTE.—Report for 1901 and 1902 considerably in error.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SEP.
OCT.
NOV.
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INCHES
LEXINGTON
STAUNTON
LYNCHBURG
FARMVILLE
CLARKSVILLE
FREDERICKSBURG
POWHATAN HILL
WARSAW
RICHMOND
FT. MONROE
HOT SPRINGS
BLACKSBURG
ROANOKE
ROCKY MOUNT
BEDFORD CITY
SHENANDOAH
CHARLOTTESVILLE
PETERSBURG
CALLAVILLE
SPOTTSVILLE
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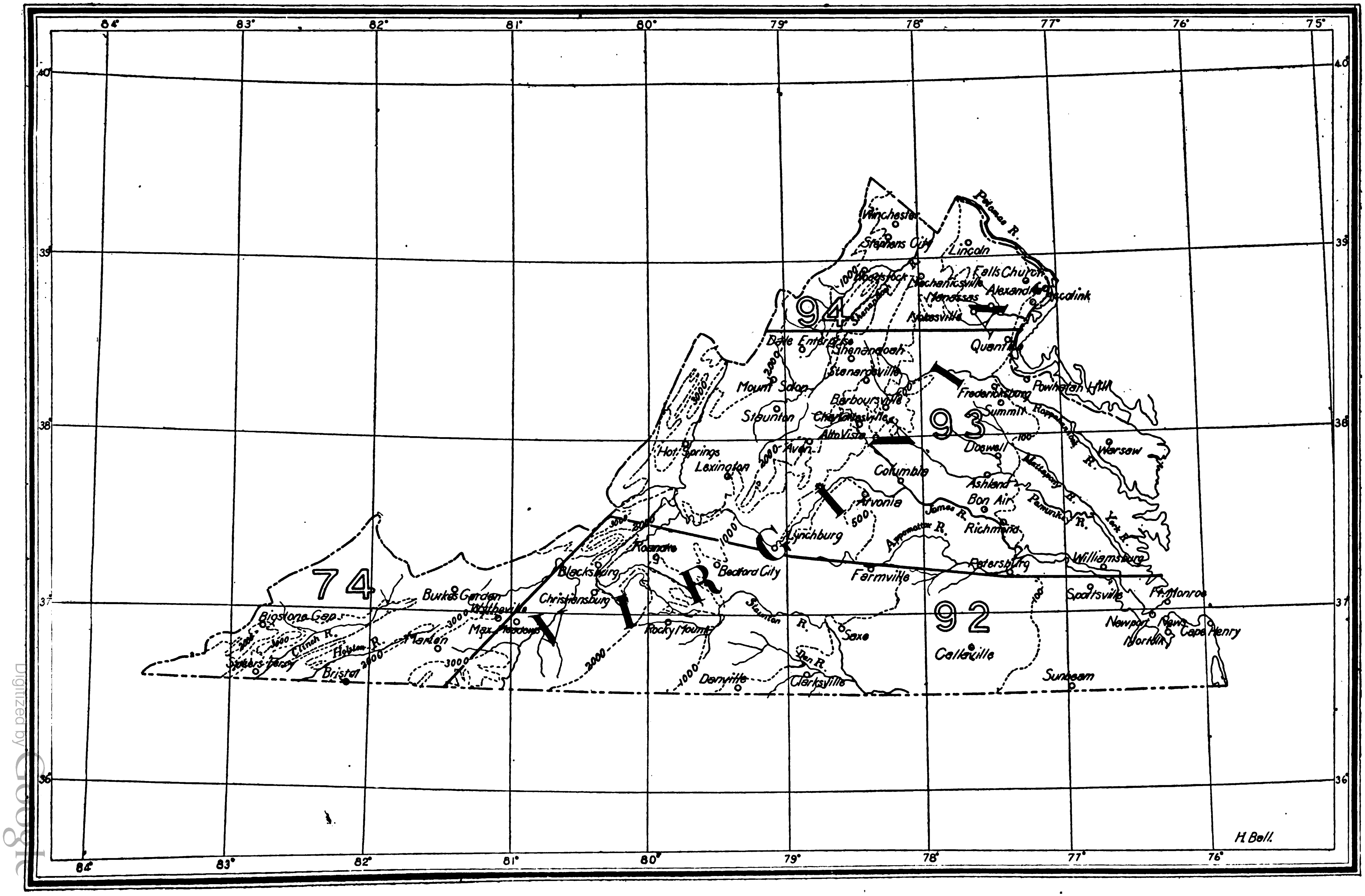


Chart showing principal points of observation, the drainage basins, and the general elevation of Virginia.

MISCELLANEOUS DATA.

Stations are arranged in order, beginning with those nearest the headwaters of each basin.

MEAN MONTHLY AND ANNUAL TEMPERATURE.

Groups and Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
James Basin Group:														
Farmville	9	37.4	34.2	47.6	55.4	66.9	74.7	79.4	77.0	70.6	59.2	46.6	36.9	57.1
Newport News	5	42.6	39.0	49.0	57.0	67.3	74.1	76.9	73.1	68.4	58.2	50.4	42.6	59.3
Hampton	24	40.6	39.8	47.7	55.4	65.9	74.6	79.2	78.0	71.7	60.7	50.0	42.1	58.8
Norfolk	38	40.7	41.5	48.0	56.4	66.6	74.6	78.8	77.1	71.7	61.1	50.9	42.9	59.2
Fortress Monroe	54	40.2	41.0	47.2	55.5	65.7	74.4	78.6	77.7	72.2	61.4	50.8	42.7	59.0
Blackwater Basin Group:														
Spottsville	19	38.6	37.7	48.0	55.6	66.4	73.5	77.7	76.1	70.0	57.8	48.6	40.7	57.6
Callaville	14	38.2	36.3	49.2	55.9	66.2	73.1	77.4	76.2	69.8	58.6	48.9	40.8	57.6
Sunbeam	6	39.6	38.1	48.4	56.0	65.9	75.2	78.2	78.0	71.8	60.0	50.7	41.1	58.6
Roanoke-Staunton Basin Group:														
Blacksburg	17	32.3	31.5	43.2	50.0	60.7	67.9	71.2	70.3	64.4	52.4	42.3	34.8	51.8
Salem	7	36.9	36.9	47.9	56.3	65.5	73.0	76.6	76.1	71.5	59.5	49.9	41.9	57.7
Roanoke	5	36.7	34.5	48.9	54.3	65.6	68.9	75.9	74.6	67.4	55.3	43.9	36.1	55.2
Bedford City	13	35.5	35.8	47.1	55.3	65.3	72.0	76.9	75.1	69.4	58.2	46.8	38.3	56.3
Rocky Mount	12	37.1	35.9	47.7	55.9	65.4	72.6	75.2	74.3	69.4	56.7	48.2	48.4	56.4
Saxe	9	37.6	37.9	46.6	56.3	65.8	73.4	75.8	74.1	69.6	55.8	47.5	39.2	56.6

HIGHEST MONTHLY AND ANNUAL TEMPERATURE.

James Basin Group:														
Farmville	9	73	72	83	95	95	103	105	102	100	90	80	70	105
Newport News	10	75	76	91	86	95	100	102	105	96	90	79	73	105
Hampton	22	70	73	83	88	96	96	98	96	96	85	78	69	98
Norfolk	38	80	81	92	95	98	102	102	100	100	89	80	75	102
Fortress Monroe	26	73	73	88	88	96	96	101	99	96	89	79	71	101
Blackwater Basin Group:														
Spottsville	17	76	74	93	96	97	100	101	100	101	90	80	74	101
Callaville	14	76	72	92	94	94	97	104	98	99	90	81	77	104
Sunbeam	6	75	73	85	93	95	99	100	99	98	90	79	71	100
Roanoke-Staunton Basin Group:														
Blacksburg	17	75	70	85	87	90	96	95	96	96	86	79	73	96
Salem	8	75	74	84	90	91	93	98	100	97	88	81	71	100
Roanoke	6	76	71	90	89	92	95	98	98	94	93	80	68	98
Bedford City	13	68	73	89	90	98	102	103	100	100	91	82	70	103
Rocky Mount	13	75	71	92	93	96	102	101	100	96	86	83	69	102
Saxe	9	70	73	83	93	98	98	100	101	93	94	80	75	101

LOWEST MONTHLY AND ANNUAL TEMPERATURE.

James Basin Group:														
Farmville	9	7	— 8	16	24	30	45	51	50	32	22	15	10	— 8
Newport News	10	8	3	20	27	41	50	54	56	46	34	17	14	3
Hampton	22	8	4	17	30	42	49	60	59	47	34	21	12	4
Norfolk	38	6	2	14	24	38	49	57	56	40	31	18	6	1
Fortress Monroe	26	8	1	14	28	39	47	55	53	40	29	21	4	2
Blackwater Basin Group:														
Spottsville	17	—15	— 6	10	21	31	42	50	49	37	26	16	0	—15
Callaville	14	4	— 2	4	25	31	45	48	49	37	27	13	— 2	— 2
Sunbeam	6	10	— 3	18	27	38	49	49	55	37	32	24	4	— 3
Roanoke-Staunton Basin Group:														
Blacksburg	17	—13	—12	— 2	17	28	33	34	41	29	14	— 1	— 3	—13
Salem	8	— 6	— 2	22	25	37	48	56	53	39	26	18	4	— 6
Roanoke	5	2	— 2	18	23	36	42	47	48	38	24	11	5	— 2
Bedford City	13	— 6	— 6	10	23	34	45	51	38	30	28	14	4	— 6
Rocky Mount	12	— 5	— 5	10	21	23	40	47	40	32	23	11	— 3	— 5
Saxe	9	0	— 2	15	21	32	44	39	45	35	22	8	6	— 2

AVERAGE MONTHLY AND ANNUAL SNOWFALL.

James Basin Group:														
Farmville	10	1.8	4.4	1.0	T.	0	0	0	0	0	0	0.1	1.9	9.2
Newport News	10	2.5	6.1	1.4	T.	0	0	0	0	0	0	0.1	0.9	11.0
Hampton	22	2.0	5.1	0.7	0.1	0	0	0	0	0	0	0.1	1.7	9.7
Norfolk	39	2.0	3.8	0.4	0	0	0	0	0	0	0	0.5	2.7	9.4
Blackwater Basin Group:														
Spottsville	17	2.6	6.9	1.5	0.3	0	0	0	0	0	0	0.3	2.7	14.3
Callaville	11	3.3	4.8	1.4	0	0	0	0	0	0	0	0	1.7	11.2
Sunbeam	6	1.7	4.6	0.8	0.7	0	0	0	0	0	0	T.	2.6	10.4

AVERAGE MONTHLY AND ANNUAL SNOWFALL—Continued.

Groups and Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Roanoke-Staunton Basin Group:														
Blacksburg	14	6.3	6.0	3.9	0.8	0	0	0	0	0	0	0.9	3.7	21.6
Salem	8	5.0	6.4	3.5	0.4	0	6	6	0	0	0	0.4	1.5	17.2
Roanoke	7	4.4	7.1	2.1	T.	0	0	0	0	0	T.	1.2	2.8	17.6
Bedford City	13	6.0	5.3	2.3	0.2	0	0	0	0	0	0	0.2	2.4	16.4
Rocky Mount	13	4.5	5.9	2.1	0.1	0	0	0	0	0	0	1.4	3.0	17.0
Danville	11	3.0	3.8	1.6	0.3	0	0	0	0	0	0	0.2	0.5	9.4
Saxe	9	3.2	6.2	1.1	T.	0	0	0	0	0	0	0.6	2.3	13.4

AVERAGE MONTHLY AND ANNUAL NUMBER OF DAYS WITH .01, OR MORE, OF PRECIPITATION.

James Basin Group:														
Farmville	10	6	6	8	6	8	7	8	10	6	6	3	6	80
Newport News	10	8	9	10	8	10	9	12	10	6	7	5	9	103
Hampton	22	9	8	10	9	10	9	11	9	6	7	6	9	103
Norfolk	39	12	11	12	11	12	10	13	12	9	9	9	10	130
Fortress Monroe	16	8	8	10	9	10	8	11	9	6	6	6	8	99
Blackwater Basin Group:														
Spottsville	17	9	9	10	9	10	9	11	10	7	7	7	8	106
Callaville	11	7	8	8	7	9	8	9	8	5	6	5	7	87
Sunbeam	6	7	8	9	7	9	7	11	7	5	6	6	6	38
Roanoke-Staunton Basin Group:														
Blacksburg	14	8	8	10	9	11	11	10	9	6	5	9	7	100
Salem	8	9	9	10	8	11	9	11	9	7	8	7	7	105
Roanoke	7	7	7	8	10	8	11	10	5	5	4	5	7	87
Bedford City	13	5	5	6	5	7	8	6	6	4	4	3	5	64
Rocky Mount	15	6	6	8	6	8	9	9	8	5	6	5	6	82
Danville	11	8	9	11	8	10	11	11	11	6	8	6	9	108
Saxe	9	7	7	9	7	9	8	9	10	4	4	4	7	85
Clarksville	10	9	10	9	7	9	10	9	9	6	7	6	9	100

PREVAILING MONTHLY AND ANNUAL WIND DIRECTION.

James Basin Group:														
Farmville	9	w	sw	sw	sw	s	s	s	s	w	sw	w	w	sw
Newport News	10	nw	nw	*	sw	e	sw	sw	†	ne	ne	nw	nw	‡
Hampton	22	ne	ne	ne	sw	sw	sw	sw	ne	ne	§	sw	ne	ne
Norfolk	38	n	n	ne	ne	s	sw	sw	s	ne	ne	ne	n	ne
Fortress Monroe	16	ne	nw	ne	ne	sw	sw	sw	sw	ne	ne	sw	sw	sw
Blackwater Basin Group:														
Spottsville	17	sw	sw	sw	sw	sw	sw	sw	sw	sw	ne	sw	sw	sw
Callaville	14	n	n	s	s	n	n	s	n	s	n	s	n	n
Sunbeam	6	w	n	s	s	s	s	s	s	n	n	s	n	s
Roanoke-Staunton Basin Group:														
Blacksburg	17	nw	nw	sw	w	w	w	w	w	w	w	w	nw	w
Roanoke	7	w	w	e	w	w	e	w	e-w	e	w	e-w	w	w
Bedford City	9	w	w	e-w	w	w	w	w	w	w	w	w	w	w
Rocky Mount	8	‡	nw	nw	sw	sw	sw	sw	sw	sw	ne	nw	nw	sw

*sw-nw †ne-sw ‡sw-nw §ne-sw

FROST DATA.

Groups and Stations.	Length of record, yrs.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
James Basin Group:					
Farmville	9	October 28	April 16	October 11	May 12
Newport News	19	Novemb'r 9	March 26	October 3	April 20
Hampton	22	Novemb'r 14	March 20	October 17	April 20
Norfolk	23	Novemb'r 12	March 27	October 15	April 26
Fortress Monroe	16	Novemb'r 14	March 26	October 12	April 20
Blackwater Basin Group:					
Spottsville	17	October 16	April 17	October 1	May 12
Callaville	14	October 20	April 13	October 1	May 10
Sunbeam	6	October 31	April 11	October 1	April 29
Roanoke-Staunton Basin Group:					
Blacksburg	17	October 5	April 28	Sept. 14	May 22
Salem	9	October 17	April 10	October 1	April 24
Roanoke	5	October 19	April 21	October 5	May 9
Bedford City	13	October 29	April 10	Sept. 5	April 24
Rocky Mount	12	October 19	Apail 10	October 1	May 10
Saxe	8	October 21	April 14	October 13	May 1

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, Professor Frank H. Bigelow, in Charge.

Section 93.—CENTRAL VIRGINIA.

The area covered by Central Virginia, as referred to herein, extends from the coast line westward to the Alleghany Mountains, and embraces about one-third of the State. Its southern boundary line begins, on the east, at latitude 37° and ends, on the west, at latitude 37° 30′, while its northern boundary line follows closely the parallel of 38° 30′ across the State. The Rappahannock, York and James watersheds; also the lower portion of the Potomac watershed, lie within this area, which comprises about 13,000 square miles.

The topography is diversified. Along the coast the land is low and comparatively level, but as the head of tidewater in the various streams is approached it becomes rolling. This feature increases noticeably on entering that portion of the region lying between the head of tide and the foothills of the Blue Ridge, and the elevations reach from 150 to 1,500 feet above the sea. In the Blue Ridge and the Alleghanies the elevations are largely increased and the conditions are those usual to a mountainous country. An area in the Great (or Shenandoah) Valley, having an extreme breadth of about 130 miles, is also contained in this region.

From the coast westward the land rises in a series of terraces, the first of which is the Coastal Plain, or Tidewater Counties, the second Middle Virginia, and the third the Shenandoah Valley. The dividing line between the Coastal Plain and Middle Virginia is marked by a line of falls, or rapids, in the various streams of the region, and it extends generally south from a point on the Potomac River just west of Washington, D. C., across Occoquan Creek, at Occoquan, Prince William County; the Rappahannock River just west of Fredericksburg, Spotsylvania County; James River, at Richmond, Henrico County, and the Appomattox River, at Petersburg, Dinwiddie County, thence passing south into North Carolina.

The dividing line between Middle Virginia and the Shenandoah Valley is the Blue Ridge. This range has an elevation in the northern part of the region of about 2,500 feet above sea, and the height increases southwestward to 4,000 feet (Peaks of Otter) in the central part of the chain and near the southern boundary line of the section. Similar heights mark the nearby crests of the Alleghanies.

The headwaters of the York and Rappahannock rivers rise on the eastern slope of the Blue Ridge, and they flow generally southeast, thoroughly draining the country and affording an abundant and unfailing waterpower. As a factor in the material resources of the region, the waterpower available along these rivers is most important, and it is being utilized in an increasing degree from year to year. Besides numerous small mills in the agricultural districts already in use, surveys have been made for sites for power for manufacturing purposes at various points from Occoquan southward along the line of falls, or rapids, previously mentioned, and at Fredericksburg work on a large scale has been in hand during the past year, or more, which when finished will furnish power for a long-distance electric car line project.

The sources of the James River are well up on the eastern face of the Alleghanies. They, with the headwaters of large tributaries such as the Jackson, Cowpasture and North rivers, and Craig's Creek, in the Shenandoah Valley portion of the basin; also the Rivanna River, which rises on the eastern face of the Blue Ridge, have elevations of 1,500 to 2,000 feet. The former, descending rapidly through relatively narrow valleys, unite with the main stream which breaks through the Blue Ridge at Balcony Falls. They all afford excellent and well used opportunities for power, both in the agricultural districts and at the different towns and cities along their banks. Entering Middle Virginia, the James passes through a more open country, but its descending slope continues relatively steep and waterpower is abundant until it reaches the tidal portion of the stream.

The city of Richmond, located just at the foot of the falls, has a practically unlimited waterpower, which is extensively used by manufacturing plants of all kinds.

Fine waterpower also obtains at Petersburg, on the Appomattox River, a tributary of the James that drains most of the southern portion of the basin east of the Blue Ridge.

Although the entire area under discussion is well wooded, the major portion of the land is arable and producing good crops of the cereals, etc., usually grown in this section.

In the Tidewater, or Coastal Plain counties, while general farming is largely practised, the soil is especially fitted for market gardening, or "trucking" as it is termed, being light, loamy and warm. It is especially adapted to yield early and profitable crops of the different sorts of berries, and of such vegetables as English (green) peas, string beans, potatoes, early cabbage and onions, lettuce, kale, radishes, sweet corn, etc., besides watermelons and cantaloupes.

In Middle Virginia the soil, in general, is not so well adapted for market gardening, and this kind of farm work is practically confined to the vicinity of cities. Farm acreage devoted to cultivation is mostly seeded to corn, oats, and tobacco, and these crops do well and are profitable. The bottom lands of the different rivers of this section are all very fertile and yield large returns. In the foothills of the Blue Ridge—Piedmont counties—a very considerable area is devoted to fruit raising, and many large, carefully cared for orchards may be found. The celebrated "Albemarle Pippin," together with other well known and highly prized varieties of apples, is grown locally in this district. Peaches, pears, plums, and cherries are also quite largely grown.

Throughout the Shenandoah Valley counties of this district the soil produces unusually fine crops of hay and pasturage is abundant and of excellent quality. It is also well adapted to corn, wheat, oats, and buckwheat, all of which are largely grown. Fruit raising is also extensively carried on, especially apples and peaches, and stock raising is a profitable and increasingly important industry.

CLIMATIC CHARACTERISTICS.

Latitude, topography and situation with respect to the Atlantic ocean and to the general path of storms over the eastern part of the United States, each have an important bearing on the climatic characteristics of this region. Throughout the Coastal Plain counties the temperatures are more equable than those of the elevated sections to the westward. The daily range and variability of temperature are seldom great, and sudden and decided changes to warmer or colder weather are relatively rare. The influence of the winds daily blowing inland from the sea, and moving freely over the comparatively level land surface, tends to confine the temperatures within moderate limits, and this, together with the equalizing effect of the numerous bays and estuaries of rivers that penetrate the region, are the predominating factors in producing the stable condition of temperature prevailing throughout this part of the region.

Westward from the Coastal Plain to the eastern face of the Blue Ridge, the effect of elevation, rolling contours and greater distance from the sea is shown in the greater daily and monthly range of temperature. Sudden changes to warmer or colder, though not common, occur more often than in the Coastal Plain counties, and local surroundings begin to assume control. The monthly mean temperatures average lower, and temperature differences due to the situation of stations appear.

Throughout the Great (Shenandoah) Valley elevation and topography produce marked effects. A vertical circulation of the air is carried on; a relatively clear atmosphere favors insolation and strong air currents move up the mountain sides during the day. At night cool, descending currents flow from the mountain crests into the valleys, displacing the warm air and thus reducing the temperature of the lower levels decidedly. The warm air displaced rises to the mountain tops, where the temperature becomes higher than it is in the valleys below. These inversions of temperature form an important feature of the climate of the region, and their influence in delaying frost formation on the higher slopes of the mountains is recognized by agriculturists and taken into account by them in their work, especially in the location of orchards, gardens, etc.

The three climatic divisions briefly referred to in this paper correspond to the three terraces by which the land rises from the coast line westward to the Alleghany Mountains. The monthly differences in temperature resulting from the causes outlined are, perhaps, best shown numerically, and for this purpose the following table is given:

MONTHLY AND ANNUAL MEAN TEMPERATURES.

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Coastal Plain....	37.9	37.4	46.5	55.0	65.5	73.6	78.2	76.1	69.7	58.1	46.5	39.2	56.8
Middle Virginia.	36.2	35.3	46.8	55.0	65.9	73.2	77.5	76.0	69.7	57.9	47.3	38.2	56.6
Shenandoah Valley.........	33.3	33.6	43.3	52.4	62.5	69.8	73.4	72.0	65.6	54.2	43.3	35.2	53.2

PRECIPITATION.

Precipitation is abundant and well distributed throughout the year and dry and wet periods of long duration are of rare occurrence. May to August, inclusive, are the months of heaviest rainfall, the average total amount for each division for this four months period being: Coastal Plain, 17.36 inches; Middle Virginia, 17.80 inches, and Shenandoah Valley, 15.81 inches. Beginning with September the average decreases nearly an inch and a half, and thereafter it falls off by small amounts each month until January, inclusive, when it reaches a minimum, the average total amount for this five months period being: Coastal Plain, 14.06 inches; Middle Virginia, 15.78 inches, and Shenandoah Valley, 13.95 inches. It then begins to increase slowly to the period of heaviest rainfall—May to August.

The amount of snow that falls each season in the climatic divisions varies from an average of 12 inches in the Coastal Plain counties, to 15 inches in Middle Virginia and to 26 inches in the Shenandoah Valley. Reduced to its water equivalent by the usual method, the average snowfall each season represents from one-seventeenth to one-thirty-fourth of the annual precipitation.

In the late spring, summer and early fall, precipitation occurs mostly as thunderstorms, and in July and August, as the temperature increases, these storms sometimes yield excessive amounts of rain within short periods of time. Hailstorms, however, do not often occur. During April, the conditions of rainfall; also of temperature, are quite uniform, especially in the Coastal Plain and Middle counties, where the averages for each are exactly the same. The late fall, winter and early spring, though constituting the driest part of the year, on the whole, are the seasons of what may be called periods of settled precipitation, that is, when rain or snow, though seldom the latter, may last for 12, 24, or 36 hours. For the most part, the amount of rain occurring during such periods will not equal that of the more severe thunderstorms of summer, which last only for an hour or more.

Occasionally, electrical storms mark the close of some heated spell in summer, while in winter, storms of sleet or freezing rain sometimes occur. The latter rarely continue long enough to do damage.

A comparison of precipitation averages shows that Middle Virginia is the wettest part of this section and the Shenandoah Valley, the driest, the average annual amount varying about 5 inches as between the two. The distribution through the months, however, varies somewhat; thus, during July and August the area of greatest rainfall shifts from Middle Virginia to the Coastal Plain division, and, in January and February the area of least precipitation shifts from the Shenandoah Valley to the Coastal Plain, giving this division midsummer and mid-winter precipitation extremes that differ from the general conditions in the district and are entirely eliminated in the averages for the year, as a whole.

MONTHLY AND ANNUAL AVERAGE PRECIPITATION.

Division.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Coastal Plain	2.40	2.85	3.16	3.21	3.36	3.82	4.57	5.61	3.27	3.08	2.49	2.82	40.64
Middle Virginia.	3.10	3.15	3.72	3.21	4.19	4.24	4.52	4.85	3.48	3.57	2.39	3.24	43.66
Shenandoah Valley.........	2.65	2.72	3.20	2.92	3.61	4.56	3.74	3.90	3.40	2.77	2.43	2.70	38.60

It is worth noting, too, that in the Coastal Plain the increase of rainfall, beginning with May in the other divisions, is retarded about a month, and does not, therefore, appear decidedly until June, amounting to an additional inch for July and again for August, which latter has the highest average rainfall for that month, 5.61 inches, occurring in the district. On the other hand, there is an even more decided difference in the decrease of rainfall in this division that begins with September, the amount being about two and one-third inches, as compared with one and one-third inches for Middle Virginia and half an inch for the Shenandoah Valley.

These differences naturally have some bearing on the relative flow of water in the various streams of the district, and on the agricultural operations carried on in each division.

The distribution of precipitation in the several climatic divisions is shown in the accompanying tables. Points of observation have been grouped to show specific areas. Tabular data for means and extremes of temperature; dates of frost; average number days with precipitation; amount of snowfall and prevailing wind direction are also included, together with a chart of the district that will be of assistance in locating the places at which the data published were taken.

EDWARD A. EVANS, *Section Director*.

Monthly and Annual Precipitation.

[Figures in bold-face type estimated from surrounding stations.]

SHENANDOAH BASIN GROUP—STAUNTON, AUGUSTA COUNTY, VA.
Elevation, 1,380 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1868.	......	......	......	......	......	......	......	......	0.67	3.87	3.32	2.67	......
1869.	2.87	2.94	5.06	1.71	4.07	1.40	1.70	0.65	3.84	3.14	1.06	3.93	32.37
1870.	3.40	3.27	3.66	3.92	5.89	6.73	4.33	2.84	11.24	0.76	1.56	2.05	49.65
1871.	2.81	3.45	3.00	......	......	......	......	......	......	......	......	......	......
1872.	0.66	2.40	......	1.02	......	......	......	......	......	......	......	......	......
1889.	......	......	......	......	......	......	......	......	......	......	4.80	0.05	......
1890.	0.74	**3.14**	**3.30**	1.70	3.75	3.75	2.01	1.62	3.33	5.51	0.38	3.23	32.46
1891.	3.66	3.91	6.71	3.56	5.04	2.39	4.82	4.62	1.77	0.84	2.20	2.72	42.24
1892.	4.27	2.43	4.12	3.56	2.42	6.16	1.55	5.72	3.23	0.15	4.10	2.45	40.18
1893.	1.01	3.88	1.84	3.36	5.85	3.89	1.80	**5.12**	6.67	7.48	2.06	1.05	44.01
1894.	1.21	3.33	0.42	1.57	3.33	2.63	1.61	2.13	7.16	3.45	1.22	2.48	30.54
1895.	5.97	1.43	2.53	4.21	3.87	5.76	4.71	2.64	0.44	1.02	1.85	3.34	37.77
1896.	2.55	3.81	4.41	1.33	4.13	6.58	6.10	3.92	8.08	0.23	5.01	T.	46.15
1897.	0.92	3.99	2.56	1.56	5.75	2.18	3.70	2.30	0.73	2.84	2.14	3.31	31.98
1898.	2.89	0.55	3.10	2.95	4.82	2.16	4.41	5.16	2.22	7.13	1.74	3.00	40.13
1899.	3.46	4.89	6.15	1.66	3.64	1.39	1.33	5.46	3.89	3.06	0.90	1.14	36.97
1900.	3.01	3.38	3.45	2.27	3.19	5.66	2.57	2.34	3.64	4.58	2.88	2.05	39.02
1901.	2.29	0.32	3.39	8.42	7.88	4.97	5.39	6.71	3.46	0.51	1.40	6.44	51.18
1902.	2.21	4.92	2.61	2.46	4.54	3.08	3.18	0.80	3.66	3.54	3.61	3.58	38.19
1903.	4.06	5.39	4.93	3.87	1.23	10.71	2.70	5.53	2.30	2.62	0.98	1.31	45.63
1904.	1.90	1.50	2.50	2.61	2.76	4.82	4.40	1.87	1.77	0.95	1.31	2.42	28.84
1905.	3.03	2.64	2.39	2.40	4.03	3.69	5.93	2.86	1.91	2.37	1.08	3.93	36.26
1906.	2.98	0.94	4.29	2.38	2.70	5.82	3.74	7.47	4.14	6.85	2.10	3.17	46.58
1907.	1.69	2.41	2.75	3.42	2.51	6.54	3.81	3.17	7.29	0.68	4.03	3.30	41.60
1908.	4.21	3.07	2.37	1.79	5.15	4.33	6.76	6.24	3.25	4.25	0.99	2.17	44.58
M'ns	2.69	2.96	3.31	2.81	4.12	4.51	3.65	3.77	3.85	2.99	2.21	2.60	39.47

MOUNT SOLON, AUGUSTA COUNTY, VA. Elevation, 1,400 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1867.	......	......	......	......	......	......	......	......	......	4.50	......	......	......
1868.	......	......	......	......	5.22	2.43	1.00	3.24	......	4.00	......	6.00	......
1869.	4.25	3.96	3.15	2.25	......	......	......	......	......	......	......	......	......
1870.	......	......	......	......	......	......	......	......	......	......	......	......	......
1871.	0.50	1.25	1.25	1.75	5.15	2.24	2.00	3.04	2.85	3.65	2.67	0.50	26.85
1872.	1.56	1.41	1.90	2.44	0.70	3.75	2.30	4.00	3.85	3.25	3.20	2.60	30.96
1873.	2.81	3.00	1.60	1.60	5.65	5.25	4.55	4.38	1.35	1.90	1.40	......	......
1874.	1.10	2.04	1.20	7.08	0.96	3.50	3.75	3.40	2.10	1.00	1.20	0.80	28.13
1875.	1.85	2.25	2.85	3.70	0.10	3.70	3.45	5.58	3.75	0.33	3.50	4.05	35.11
1876.	......	2.35	4.29	2.30	2.55	7.00	2.70	3.72	5.71	T.	2.06	0.60	......
1877.	2.40	0.00	1.15	2.80	1.99	3.12	4.22	2.45	2.20	4.96	8.13	0.84	34.26
1878.	3.15	0.58	2.30	2.83	3.60	4.60	2.87	4.65	3.10	3.88	3.80	3.53	38.89
1879.	2.01	1.68	0.93	3.00	2.60	1.62	1.04	6.53	0.70	0.60	0.75	4.69	26.16
1880.	1.72	1.93	3.77	3.71	1.15	3.86	3.27	4.45	3.83	0.75	3.83	2.75	35.02
1881.	1.35	2.03	3.50	0.70	......	......	......	......	......	......	......	......	......
M'ns	2.06	1.87	2.32	2.85	2.70	3.73	2.83	4.13	2.94	2.40	3.05	2.64	33.52

DALE ENTERPRISE, ROCKINGHAM COUNTY, VA. Elevation, 1,350 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1880.	2.50	1.24	2.78	4.87	1.06	5.75	4.63	3.82	5.50	1.15	2.72	1.13	37.15
1881.	2.04	4.62	1.01	0.75	1.74	4.83	5.83	2.05	4.50	1.72	1.83	6.81	37.73
1882.	3.63	0.83	3.54	7.13	7.17	1.73	6.84	10.50	12.24	1.75	0.52	0.13	56.01
1883.	1.13	1.13	1.50	7.10	1.85	9.04	1.13	2.50	3.74	4.70	0.84	2.76	37.42
1884.	1.37	9.00	6.00	2.50	4.50	11.00	1.97	5.65	1.32	0.91	2.86	5.04	52.12
1885.	4.47	2.94	1.72	2.35	5.37	4.14	2.86	3.09	1.04	12.60	4.05	2.53	48.16
1886.	5.96	3.59	6.86	3.90	12.66	8.63	6.13	5.85	1.58	2.54	6.46	4.15	68.31
1887.	2.42	4.72	3.03	5.21	6.54	5.36	7.05	2.87	3.58	1.55	0.65	3.14	46.12
1888.	1.92	2.63	4.38	1.44	5.04	4.98	3.61	7.02	4.40	2.90	2.73	1.82	42.87
1889.	4.04	1.84	2.08	3.83	11.70	3.20	6.66	2.80	6.70	4.28	5.18	0.23	52.54
1890.	0.57	3.83	3.24	2.34	5.68	5.01	2.73	1.26	3.65	3.07	0.55	3.46	35.39
1891.	4.68	3.45	5.88	2.50	4.07	3.96	4.46	4.33	2.02	0.89	1.82	2.43	40.49
1892.	4.70	1.90	4.31	2.94	2.88	5.46	3.14	2.86	2.97	0.19	3.93	2.71	37.09
1893.	1.14	4.47	1.39	2.86	4.98	3.23	3.10	5.06	5.45	6.18	2.40	0.54	40.80
1894.	1.16	3.57	0.50	1.60	5.70	1.40	2.24	1.70	5.96	2.36	0.58	2.45	29.22
1895.	4.40	1.06	2.08	3.88	3.07	2.98	5.01	1.54	0.20	1.10	1.42	2.76	29.50
1896.	1.75	3.40	3.70	1.19	1.99	5.17	5.67	1.55	7.85	0.16	4.30	T.	36.73
1897.	1.56	5.64	2.40	1.70	5.37	2.88	4.15	0.68	0.43	2.55	2.40	3.23	32.99
1898.	2.37	0.61	3.90	2.91	4.94	4.83	6.24	9.54	2.23	7.39	1.82	3.60	50.38
1899.	1.87	5.57	4.34	1.21	3.75	1.86	3.15	2.18	4.40	1.75	0.91	1.00	31.99
1900.	3.20	2.87	3.38	1.70	2.06	8.01	3.47	2.44	3.22	2.45	3.11	1.61	37.52
1901.	2.04	0.28	3.86	5.78	5.11	14.37	4.83	6.36	3.84	2.06	1.39	6.36	56.28
1902.	2.27	4.62	4.86	1.68	3.28	2.90	2.73	3.54	2.75	3.08	3.50	3.45	38.66
1903.	4.26	3.42	4.06	3.13	3.74	6.45	5.30	5.18	2.86	2.00	0.71	1.15	42.26
1904.	2.19	1.56	2.43	2.44	3.16	7.30	6.88	5.02	1.26	1.12	0.80	2.38	36.54
1905.	3.54	2.12	2.35	1.72	2.77	6.35	7.95	3.07	1.69	2.06	0.77	3.88	39.17
1906.	2.56	1.01	4.27	2.11	2.77	7.00	3.28	6.64	2.84	4.53	1.79	3.57	42.37
1907.	2.02	1.77	2.61	3.42	2.68	7.76	3.78	5.27	5.81	0.73	4.15	3.10	43.10
1908.	3.20	3.00	2.09	1.73	8.24	4.92	3.09	4.96	2.61	2.28	1.06	1.81	38.99
M'ns	2.72	2.99	3.26	2.96	4.62	5.53	4.41	4.11	3.68	2.79	2.25	2.66	41.98

SHENANDOAH, PAGE COUNTY, VA. Elevation, 937 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902.	**2.46**	3.98	3.92	1.67	2.05	2.37	1.23	2.53	2.96	3.49	3.64	2.27	32.57
1903.	4.50	2.79	4.05	3.58	2.96	5.25	2.82	3.93	2.24	1.83	0.81	0.78	35.54
1904.	1.37	0.98	2.05	2.64	2.85	4.89	6.38	3.34	1.52	1.63	0.83	1.20	29.68
1905.	1.81	1.57	2.00	2.13	3.55	2.85	4.81	2.78	1.44	2.63	0.64	3.61	29.82
1906.	1.72	0.80	3.69	3.76	1.86	6.07	4.64	5.74	1.18	5.42	2.28	2.79	39.95
1907.	1.53	1.47	1.92	3.18	2.59	4.51	4.10	5.16	6.04	0.93	3.83	2.35	37.61
1908.	3.14	3.45	2.01	1.36	5.87	3.81	2.70	4.53	2.19	2.84	0.59	1.93	34.42
M'ns	2.36	2.15	2.81	2.62	3.10	4.25	3.81	4.00	2.51	2.68	1.80	2.13	34.22

RAPPAHANNOCK BASIN GROUP—BARBOURSVILLE, ORANGE COUNTY, VA.
Elevation, 550 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896.	......	......	......	......	......	......	......	......	6.40	0.28	4.02	0.06	......
1897.	1.76	5.56	2.71	2.06	6.04	3.63	4.50	1.08	0.80	4.56	2.16	3.92	38.78
1898.	2.80	0.72	4.68	3.19	7.66	3.97	4.69	**8.34**	**3.52**	**10.55**	**2.26**	**4.95**	**57.33**
1899.	3.76	5.65	4.36	1.81	2.50	2.80	5.46	3.14	4.90	3.50	1.55	3.01	42.44
1900.	4.17	4.45	3.60	2.50	1.41	5.63	1.60	2.72	4.34	2.35	2.48	2.80	38.05
1901.	2.73	0.42	2.80	7.46	10.28	4.46	5.89	9.00	2.87	0.47	2.37	8.51	57.26
1902.	3.30	4.62	3.47	2.75	4.16	**4.12**	**3.57**	**3.58**	**5.31**	7.79	4.37	4.25	51.29
1903.	5.04	5.65	5.26	3.90	5.80	13.20	1.11	5.70	1.10	2.50	0.76	1.50	51.52
1904.	2.34	1.54	4.10	1.98	4.05	5.49	4.45	5.10	1.53	0.73	1.45	3.42	36.18
1905.	3.47	2.95	2.19	2.04	4.55	4.92	7.04	4.36	3.98	4.00	0.60	6.39	46.49
1906.	4.31	1.23	5.78	3.52	2.18	4.95	5.31	10.82	3.35	10.78	2.27	2.90	57.40
1907.	1.57	......		......	......	......	......	......	......	......	......	......	......
M'ns	3.37	3.28	3.90	3.12	4.86	5.32	4.36	5.38	3.46	4.32	2.21	3.79	47.37

FREDERICKSBURG, SPOTSYLVANIA COUNTY, VA. Elevation, 125 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893.	......	......	......	......	5.87	2.22	3.72	3.54	4.70	4.41	3.92	1.88	......
1894.	1.17	3.49	1.38	2.58	4.06	0.84	2.51	3.75	2.30	......	......	......	......
1895.	......		3.51	5.59	5.20	5.40	5.18	1.69	0.53	2.00	1.56	1.12	......
1896.	1.54	3.65	3.85	1.90	4.60	5.41	5.50	1.28	4.93	0.14	2.60	0.08	35.48
1897.	1.70	6.40	3.02	2.31	4.59	3.63	5.04	2.04	0.68	5.25	1.99	3.17	39.82
1898.	3.17	1.19	4.55	4.28	7.47	2.02	3.10	4.44	1.19	5.39	2.07	4.01	42.88
1899.	4.61	6.79	5.41	1.50	5.18	3.40	3.39	4.45	5.36	4.38	1.59	1.82	47.88
1900.	3.16	4.73	3.00	3.83	1.17	7.09	2.81	0.96	4.36	5.32	2.09	3.43	41.95
1901.	3.09	0.50	3.02	6.34	3.89	2.56	5.33	8.23	2.48	0.46	1.58	7.90	45.38
1902.	3.30	3.91	2.72	3.51	3.45	5.78	6.34	1.68	3.61	9.66	5.16	4.47	53.59
1903.	**3.84**	4.74	7.31	4.37	2.74	3.82	1.76	4.36	2.84	4.24	1.30	1.84	43.16
1904.	1.86	1.92	2.58	2.50	2.13	4.74	5.96	3.73	4.09	1.75	2.27	3.85	37.38
1905.	2.96	2.95	1.61	2.39	4.28	4.74	11.69	8.43	2.92	2.28	0.36	5.75	50.36
1906.	3.02	1.50	5.44	2.93	3.88	6.18	4.89	12.96	0.98	6.99	1.64	2.71	53.12
1907.	2.09	2.77	2.39	4.42	5.89	4.12	2.94	4.72	5.98	1.94	4.33	3.25	44.84
1908.	**3.66**	4.05	2.58	1.31	4.45	5.15	8.06	7.81	3.34	3.43	1.07	4.11	48.98
M'ns	2.80	3.47	3.49	3.32	4.30	4.19	4.89	4.63	3.14	3.84	2.24	3.29	43.60

WARSAW, RICHMOND COUNTY, VA. Elevation, 200 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	......	......	......	......	......	......	......	......	......	1.94	......
1893.	2.38	4.08	2.15	3.39	4.37	1.93	6.67	2.93	4.48	6.13	3.42	2.72	40.55
1894.	1.98	3.86	1.01	3.05	4.47	0.90	4.54	2.98	2.97	3.58	2.45	1.61	33.40
1895.	4.83	1.15	3.72	5.25	4.95	1.72	4.85	1.27	1.31	1.56	4.08	2.80	37.49
1896.	1.67	4.54	3.24	0.97	4.10	5.80	8.68	0.90	2.99	0.87	2.57	1.02	37.35
1897.	1.99	6.26	3.74	1.71	3.51	4.14	3.54	5.62	0.54	6.41	2.65	2.94	43.05
1898.	1.47	1.33	5.10	4.18	3.94	1.64	5.80	5.04	2.57	2.52	2.49	2.92	39.00
1899.	3.02	3.79	3.82	0.89	3.87	3.79	2.49	3.22	4.36	3.43	1.38	1.90	35.96
1900.	2.45	3.86	2.87	4.17	4.03	3.50	2.90	1.54	1.82	2.12	3.07	1.96	34.29
1901.	2.45	1.00	4.30	5.22	2.44	3.51	7.26	7.25	3.25	1.81	2.52	**3.52**	44.53
1902.	**2.68**	6.10	2.13	3.12	3.15	5.74	3.22	2.75	2.03	3.97	2.90	4.16	41.95
1903.	2.65	3.82	6.56	3.25	7.44	6.24	3.26	4.52	1.58	5.34	1.71	2.35	42.92
1904.	**1.83**	2.05	2.52	4.03	1.98	3.34	3.50	3.68	4.02	2.80	2.25	2.58	34.98
1905.	1.58	**3.12**	1.95	2.16	4.94	6.48	4.29	3.96	3.53	1.00	0.77	5.68	**41.37**
1906.	3.67	3.65	6.35	......	2.54	4.63	6.18	6.27	**0.91**	**5.97**	2.40	2.55	......
1907.	2.00	2.16	2.75	3.64	6.17	5.80	1.96	8.36	3.13	3.13	5.29	2.49	46.88
1908.	3.40	3.63	3.68	2.99	2.97	4.97	9.31	7.26	2.45	2.03	1.25	4.09	48.03
M'ns	2.50	3.46	3.49	3.20	3.68	4.01	4.93	4.28	2.62	3.35	2.58	2.78	40.89

POTOMAC (LOWER) BASIN GROUP—QUANTICO, PRINCE WILLIAM CO., VA.
Elevation, 16 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1905.	**3.28**	**2.70**	2.28	2.19	**3.73**	**3.98**	8.40	7.94	1.32	2.21	T.	6.35	44.38
1906.	3.24	1.52	4.85	1.88	2.74	5.75	3.98	11.41	1.51	5.49	2.38	2.43	47.18
1907.	2.34	2.23	2.21	4.43	3.97	6.35	2.48	3.45	6.43	1.63	4.83	3.22	43.60
1908.	5.20	4.18	2.28	1.20	3.45	4.07	4.25	7.67	5.05	3.00	0.99	4.89	46.23
M'ns	3.51	2.66	2.91	2.42	3.47	5.04	4.78	7.62	3.58	3.08	2.05	4.22	45.34

POWHATAN HILL, KING GEORGE COUNTY, VA. Elevation, 60 feet

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1850.	3.24	1.49	1.99	3.29	4.66	0.98	6.33	4.73	4.05	1.61	2.68	2.90	37.95
1851.	0.43	3.80	3.73	3.74	1.36	5.16	2.87	2.05	1.25	1.27	2.25	1.03	26.94
1852.	0.80	1.85	2.42	5.59	0.64	4.43	4.47	6.05	1.02	2.49	4.76	3.22	37.74
1853.	1.17	2.39	2.08	2.94	3.17	1.07	5.28	3.31	2.34	2.95	0.92	1.16	28.81
1854.	3.03	4.71	1.96	3.36	2.26	3.79	1.13	2.21	3.25	1.21	1.24	1.90	30.05
1855.	1.71	1.26	1.66	1.17	2.35	3.49	4.95	3.78	3.57	3.30	0.50	2.34	30.08
1856.	4.46	0.53	0.84	1.79	1.55	3.26	3.23	5.03	2.76	1.86	2.60	1.26	29.17
1857.	1.69	0.19	0.93	1.81	3.15	3.41	6.09	4.98	1.05	2.02	1.28	5.63	32.23
1858	0.64	2.45	1.11	2.67	5.15	1.13	1.64	3.23	3.46	1.80	3.83	4.28	31.39
1859.	3.27	1.87	2.70	3.99	2.85	6.13	1.13	2.84	4.44	1.22	1.43	2.72	34.59
1860.	1.33	2.32	1.61	1.06	7.22	1.29	2.28	7.68	1.19	3.51	2.25	2.05	33.79
1861.	4.44	1.91	1.91	4.81	2.78	2.27	5.96	9.68	2.39	1.97	5.26	1.41	44.79
1862.	3.77	2.52	3.33	......	......	......	......	......	......	2.16	2.13	0.31	......
1863.	......	......	......	......	......	......	......	......	......	......	......	......	......
1864.	......	......	......	......	......	......	......	......	......	......	......	......	......
1865.	......	......	......	......	......	......	......	2.64	1.06	2.20	3.31	......	......
1866.	1.01	2.59	0.55	3.21	4.35	5.14	2.65	......	......	......	......	......	......
1867.	0.73	1.88	4.69	1.09	4.67	5.39	2.64	10.80	0.71	4.66	1.28	4.49	43.03
1868.	1.17	0.29	0.24	0.59	4.17	3.02	6.52	3.57	5.56	1.10	2.55	1.42	30.20
1869.	3.29	3.37	1.95	2.20	3.44	3.05	2.43	0.61	3.28	6.97	1.88	2.90	35.37
1870.	1.70	1.51	1.75	2.09	4.15	4.75	3.96	0.81	1.25	3.08	0.94	0.99	26.98
1871.	1.49	2.33	5.06	1.61	6.51	4.57	5.01	2.50	~~3.68~~	~~3.01~~	~~3.62~~	~~1.17~~	40.81

POWHATAN HILL, VA.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1872.	0.96	1.14	1.94	1.39	2.26	1.90	2.23	1.81	2.58	4.35	2.45	1.29	24.30
1873.	2.54	2.66	0.78	1.55	3.93	3.63	1.85	7.44	2.12	3.60	1.36	1.05	32.48
1874.	0.14	1.18	......	.....	......	......	.....	1.92	4.02	0.09	0.65	1.14	....
1875.	0.88	0.87	0.56	1.52	0.76	4.08	2.66	12.08	1.73	0.60	2.30	0.88	28.92
1876.	0.16	1.19	1.72	2.04	2.10	5.92	4.19	4.44	7.62	0.80	2.66	1.34	34.18
M'ns	1.84	1.93	1.98	2.43	3.34	3.45	3.62	4.53	2.80	2.42	2.26	2.04	32.62

JAMES BASIN GROUP.—HOT SPRINGS, BATH COUNTY, VA.
Elevation, 2,195 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	......	......	0.90	......	......	......	2.33	1.87	2.82	0.22	3.00	1.84	.....
1893.	2.03	2.99	1.49	4.40	4.23	4.89	3.49	2.94	5.09	4.78	2.08	1.40	39.81
1894.	1.10	4.11	1.01	1.63	3.39	2.43	1.45	1.03	4.83	2.50	1.01	3.13	27.61
1895.	4.59	2.01	2.80	4.06	3.91	3.14	3.03	1.54	0.36	0.55	0.80	3.60	30.98
1896.	2.26	3.68	5.80	0.94	3.63	3.79	4.47	4.16	6.42	0.47	5.16	0.19	40.97
1897.	2.15	6.96	2.89	1.21	5.73	3.52	3.26	1.08	0.63	2.11	2.02	3.98	35.54
1898.	1.99	0.79	4.10	2.28	4.75	2.72	5.10	8.00	3.90	11.80	2.58	2.73	50.72
1899.	1.72	5.36	6.50	1.90	4.43	7.60	2.76	2.05	4.64	1.22	0.61	3.20	41.99
1900	2.31	5.86	2.84	1.79	3.50	4.46	5.25	1.79	4.91	4.33	5.31	2.70	45.65
1901.	2.33	0.23	3.91	8.26	7.74	6.22	3.79	6.22	4.20	0.70	2.35	9.50	55.45
1902.	3.65	5.25	3.63	1.71	1.77	5.46	1.19	2.27	2.28	2.97	3.82	......	......
1903.	4.70	5.80	5.03	3.67	1.25	7.78	5.98	3.80	4.75	2.10	1.40	1.40	47.66
1904.	2.45	2.45	3.65	4.95	5.80	5.36	2.02	3.01	1.81	0.43	1.10	2.54	35.57
1905.	3.37	3.20	3.55	1.66	5.51	4.68	5.84	4.32	2.90	3.30	1.06	4.69	44.08
1906.	4.93	0.32	4.60	3.24	2.45	4.52	3.13	6.34	3.84	5.86	2.27	3.43	44.93
1907.	3.33	1.53	3.81	3.28	2.83	7.43	5.06	3.35	5.38	0.93	4.17	5.21	46.31
1908.	3.82	3.84	5.01	2.70	4.38	4.37	3.67	4.28	1.74	4.62	1.15	2.51	42.09
M'ns	2.92	3.40	3.61	2.97	4.08	4.90	3.64	3.41	3.56	2.88	2.34	3.25	40.96

LEXINGTON, ROCKBRIDGE COUNTY, VA. Elevation, 1,060 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1861.	3.89	3.70	2.02	......	......	.....	......	......	....	......	......	......	......
1869.	3.57	3.13	3.86	3.25	4.51	2.10	1.29	1.67	5.67	4.11	1.36	5.48	40.00
1870.	4.71	2.60	4.92	3.61	5.02	5.47	7.10	4.04	15.88	2.87	1.77	2.05	60.04
1871.	3.34	3.58	4.86	2.53	5.55	2.57	4.09	2.40	2.65	3.27	2.96	1.63	39.43
1872.	1.43	1.93	3.24	2.52	1.74	3.03	2.98	4.54	3.50	2.41	4.34	3.30	34.96
1873.	3.80	4.93	2.39	3.06	7.40	4.60	5.91	4.76	1.13	1.96	2.45	2.02	44.41
1874.	4.54	2.98	1.90	7.94	1.21	3.92	2.90	3.34	3.69	1.19	2.56	1.90	38.07
1875.	2.79	4.12	3.94	3.45	0.81	2.54	4.59	5.46	2.10	0.89	3.83	3.42	37.94
1876.	0.75	2.50	5.28	2.70	4.08	3.70	5.80	5.79	6.79	1.14	3.54	1.04	43.11
1877.	3.74	0.40	2.09	3.73	2.16	4.64	2.65	1.89	3.57	6.51	9.17	1.85	42.40
1878.	5.43	2.20	2.83	4.44	6.18	3.05	3.86	4.68	5.07	3.67	3.36	4.67	49.44
1879.	3.74	2.30	1.08	2.83	3.33	2.74	4.45	6.08	2.49	2.48	1.39	5.39	38.30
1880.	2.63	3.14	5.78	4.03	1.69	1.03	5.94	......	......	*1.33	3.71	2.72	......
1881.	4.34	3.51	2.53	2.14	1.20	3.56	0.77	0.82	4.17	3.29	3.22	4.27	33.82
1882.	4.92	3.33	3.21	3.06	4.64	2.36	2.70	4.37	7.39	1.99	0.90	1.65	40.52
1883.	2.98	4.39	1.30	3.69	2.51	2.18	*0.19	*1.87	*5.57	*4.47	*1.14	*1.91	32.20
1884.	......	......	......	......	......	......	......	......	......	......	......	......	......
1885.	*4.37	2.00	0.30	1.00	4.50	4.30	3.30	1.74	1.05	7.23	2.87	2.45	35.11
1886.	3.64	3.30	4.16	3.49	5.70	5.24	2.83	*4.29	*1.74	*1.01	*4.49	*2.81	42.70
1887.	......	......	......	......	......	......	......	......	......	......	......	......	......
1888.	......	......	......	......	......	......	...	......	......	......	......	......	......
1889.	*5.26	*3.06	*2.44	*3.14	*7.14	3.98	8.75	4.88	4.88	4.75	6.55	0.03	54.86
1890.	1.01	5.13	4.02	1.82	3.93	5.04	2.93	2.04	3.40	4.90	0.63	3.60	38.45
1891.	3.92	4.62	7.13	3.00	4.29	2.40	4.09	4.70	1.50	0.48	3.01	3.27	42.41
1892.	4.66	3.42	3.48	4.43	3.20	1.60	1.62	2.78	2.97	0.20	4.27	1.76	34.39
1893.	1.65	4.22	1.46	2.84	5.60	2.90	2.95	7.36	5.96	4.78	1.90	1.02	42.56
1894.	1.55	4.09	0.61	1.76	3.85	4.29	3.53	1.29	2.41	3.74	0.98	2.36	30.46
1895.	7.25	1.30	2.75	3.33	2.51	2.59	3.56	1.03	0.91	1.01	1.99	2.93	31.16
1896.	2.93	4.31	4.97	1.11	1.55	4.31	8.10	5.65	5.88	0.31	5.35	0.15	44.52
1897.	1.76	5.79	3.44	1.58	4.63	3.33	3.99	3.03	1.09	2.56	2.44	3.42	37.06
1898.	2.58	0.77	3.47	2.59	5.81	4.72	4.44	6.24	3.61	7.83	2.10	2.90	47.06
1899.	3.79	5.41	6.69	1.25	5.00	3.55	3.18	5.41	4.01	2.08	0.50	1.47	42.34
1900.	2.92	4.38	4.03	2.73	2.70	7.49	3.12	1.12	3.79	3.08	2.73	2.21	40.30
1901.	3.00	0.57	3.97	5.40	4.61	5.36	4.75	9.37	3.56	0.54	1.32	8.12	50.56
1902.	4.22	4.25	2.99	1.68	3.28	2.91	2.45	1.29	3.17	4.12	4.10	2.71	37.17
1903.	4.70	5.18	4.34	3.34	1.50	7.65	3.39	2.75	3.40	2.42	1.61	1.37	42.76
1904.	1.87	1.97	2.29	2.11	4.15	5.90	3.78	2.67	1.88	0.46	1.05	2.71	30.84
1905.	2.84	2.88	2.07	1.46	6.23	6.29	6.75	3.44	1.40	2.54	0.84	3.27	40.01
1906.	2.81	1.09	4.46	1.83	2.36	5.38	3.98	10.56	3.03	6.12	1.67	3.08	46.37
1907.	1.29	1.70	2.45	3.60	3.77	6.73	3.46	3.87	8.79	0.71	5.14	6.59	48.10
1908.	3.02	3.45	3.95	2.80	3.31	3.04	4.81	6.10	3.14	3.42	1.35	3.11	41.50
M'ns	3.36	3.22	3.36	2.95	3.83	4.04	3.92	3.98	3.92	2.92	2.77	2.83	41.10

LYNCHBURG, CAMPBELL COUNTY, VA. Elevation, 685 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871.	......	......	......	......	......	......	5.18	3.08	4.00	1.60	3.76	1.12	......
1872.	2.08	1.99	4.20	3.20	3.15	2.53	1.56	2.27	1.02	2.44	3.60	2.51	30.55
1873.	4.32	5.92	2.53	3.37	9.42	5.17	2.86	10.03	1.64	2.65	2.83	1.87	52.61
1874.	4.13	3.66	1.94	8.33	1.35	6.80	3.89	3.61	3.68	2.59	2.50	1.87	44.35
1875.	2.82	5.29	6.48	3.09	1.56	3.49	1.90	5.79	2.57	1.15	3.83	3.92	41.89
1876.	1.04	2.06	6.07	1.66	3.11	4.91	2.30	4.82	7.85	1.44	2.50	1.38	40.04
1877.	4.51	0.42	2.44	4.02	2.01	1.13	3.43	1.77	3.71	8.64	9.65	1.97	43.70
1878.	4.15	1.79	2.99	4.96	3.87	3.51	2.08	5.17	2.78	4.57	3.91	5.26	45.04
1879.	4.55	1.96	1.08	1.85	1.46	2.03	3.44	7.79	1.91	2.66	1.83	6.25	36.81
1880.	2.16	2.73	6.71	4.10	2.17	4.17	5.75	3.20	1.57	1.33	3.26	1.63	38.78
1881.	4.47	2.37	2.57	2.14	2.20	1.67	3.88	0.30	2.07	4.09	3.59	6.22	35.57
1882.	5.34	3.66	4.33	2.30	3.15	4.06	4.10	5.49	8.87	1.75	0.81	3.04	46.90
1883.	4.58	2.94	3.11	4.84	1.19	4.04	0.19	1.87	5.75	4.47	1.14	1.91	35.85
1884.	5.15	6.86	6.97	2.35	2.74	4.16	2.32	2.85	1.24	0.54	2.37	5.06	42.61
1885.	4.37	3.49	1.18	1.39	5.36	3.30	4.26	1.56	1.38	8.67	2.83	3.16	40.95
1886.	4.56	3.81	5.79	4.82	6.74	8.48	3.31	4.29	1.74	1.01	4.49	2.81	51.85
1887.	2.64	3.51	2.58	3.29	3.59	3.65	4.92	4.73	3.11	3.31	1.01	4.28	40.62
1888.	2.99	3.59	5.25	1.67	5.75	2.24	2.59	4.47	10.58	4.41	2.74	2.20	48.48

*Lynchburg data.

LYNCHBURG, VA.—Continued.

Year.	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889.	5.26	3.06	2.44	3.14	7.14	3.82	10.94	3.82	10.69	4.90	4.86	0.51	60.58
1890.	1.59	4.22	3.16	1.98	4.71	1.63	4.83	3.81	1.94	5.18	0.03	5.14	38.22
1891.	6.04	5.59	7.44	3.39	5.95	1.70	5.46	5.76	1.69	0.62	2.35	3.98	49.97
1892.	5.62	3.11	3.40	4.13	2.51	3.45	5.74	0.80	2.31	0.04	4.68	1.75	37.54
1893.	1.99	5.43	1.03	3.42	5.15	3.81	4.81	8.65	8.61	8.17	1.41	2.12	54.60
1894.	2.11	4.29	0.95	1.64	4.63	1.23	4.87	2.57	4.16	3.64	1.68	3.44	35.84
1895.	7.27	1.50	3.43	5.45	5.02	2.05	2.94	1.63	0.56	1.58	1.93	2.80	36.16
1896.	2.30	4.04	5.54	1.61	5.01	3.82	8.58	2.04	7.08	1.07	4.92	0.13	46.64
1897.	2.19	7.84	3.46	2.08	4.27	2.70	6.75	0.94	1.12	3.12	2.24	3.37	40.08
1898.	2.16	0.74	3.25	2.94	9.08	2.98	7.17	2.82	4.50	7.33	2.61	4.35	49.93
1899.	4.95	5.86	9.01	1.51	2.99	4.84	3.87	7.50	4.54	3.87	2.22	1.74	52.91
1900.	4.36	4.38	4.35	3.74	4.07	8.31	1.92	2.29	4.78	3.49	2.31	3.10	47.10
1901.	3.59	0.78	3.66	5.98	5.34	4.93	4.33	12.36	3.17	0.48	1.47	8.72	54.81
1902.	3.91	5.67	4.09	2.92	2.27	3.89	1.66	3.69	2.48	9.86	4.32	4.03	48.79
1903.	5.31	5.99	5.05	2.53	1.13	4.10	2.80	6.21	3.02	2.09	1.34	1.67	41.24
1904.	1.47	1.91	2.17	0.97	2.76	5.49	3.74	2.70	1.47	0.40	0.98	2.81	26.87
1905.	3.11	2.47	2.21	2.33	6.11	4.92	6.86	6.21	2.15	2.46	0.45	6.32	45.60
1906.	4.08	1.14	4.93	2.47	3.18	3.21	4.10	4.84	2.34	7.15	2.27	2.92	42.63
1907.	0.98	0.78	2.50	3.43	3.30	7.00	2.63	3.21	10.53	0.60	4.47	4.45	43.88
1908.	4.37	2.85	2.51	2.96	3.86	4.66	4.49	6.55	2.22	3.52	1.18	3.54	42.71
M'ns	3.69	3.51	3.83	3.14	3.98	3.89	4.12	4.25	3.81	3.34	2.75	3.25	43.56

ARVONIA, BUCKINGHAM COUNTY, VA. Elevation, 350 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894.	2.76	4.52	0.95	2.42	4.95	0.54	3.03	3.03	7.60	4.41	2.00	2.87	39.08
1895.	5.37	1.73	4.01	6.68	4.34	2.69	4.11	1.84	0.50	1.95	1.86	1.77	36.85
1896.	1.05	3.74	......	2.02	4.96	4.41	6.08	2.27	4.83	0.29	3.79	T.	......
1897.	0.92	6.70	3.56	2.95	3.02	1.90	2.92	0.73	1.05	4.72	3.47	2.77	34.71
1898.	2.00	0.40	2.23	3.20	3.53	1.75	5.00	3.90	2.08	6.60	2.17	3.56	36.42
1899	4.53	5.61	8.05	1.94	4.35	3.29	2.97	7.46	4.76	3.35	0.88	1.70	48.90
1900.	3.62	5.42	3.45	2.92	2.65	5.62	3.21	2.22	2.66	2.10	3.46	3.03	40.36
1901.	3.49	0.59	2.40	6.40	.....	2.46	2.49	13.75	6.02	0.46	0.30	7.43	......
1902.	3.90	5.61	3.11	2.03	1.59	5.67	1.54	4.39	3.27	5.95	3.66	2.86	43.58
1903.	4.66	3.98	6.88	3.13	2.71	3.29	4.21	6.47	1.76	2.18	1.04	1.96	42.30
1904.	2.52	2.11	2.78	1.62	4.06	2.82	4.71	2.54	3.34	0.78	1.58	1.33	30.18
1905.	2.82	2.98	1.72	2.97	6.10	2.39	5.79	5.79	4.80	2.21	0.39	6.08	44.04
1906.	4.14	1.61	5.52	2.57	3.86	3.62	3.35	9.02	1.75	9.63	2.76	2.07	49.90
1907.	1.07	2.18	2.86	4.19	3.25	6.12	2.40	4.57	4.25	1.26	5.00	3.58	40.73
1908.	3.74	5.01	2.81	2.73	3.09	5.30	3.46	6.66	3.81	2.96	1.09	4.59	45.25
M'ns	3.11	3.48	3.60	3.18	3.75	3.46	3.68	4.98	3.50	3.25	2.23	3.04	41.26

STANARDSVILLE, GREENE COUNTY, VA. Elevation, 670 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890.	......	......	.....	......	......	......	......		......	......	0.16	3.26	......
1891.	4.12	4.02	7.99	2.11	3.87	2.93	5.49	4.79	3.40	0.76	2.68	2.51	44.67
1892.	5.59	2.40	4.05	2.93	2.20	4.10	1.22	8.84	4.40	0.42	3.54	2.27	41.96
1893.	1.88	5.29	0.87	2.94	8.68	3.47	5.09	4.98	7.12	5.93	2.54	0.59	49.38
1894.	2.79	3.09	0.69	2.94	3.38	1.82	3.86	3.91	3.48	3.96	1.61	3.02	34.55
1895.	5.72	0.89	2.45	4.57	4.74	4.39	3.59	3.09	0.67	1.83	2.03	3.72	37.69
1896.	2.41	4.79	2.74	1.83	3.73	3.13	7.41	2.97	5.41	0.11	5.34	T.	39.87
1897.	1.88	5.08	2.51	1.86	4.45	3.51	7.70	2.27	0.65	3.81	2.68	4.40	40.80
1898.	2.49	0.65	4.52	3.24	5.72	2.51	5.22	6.06	3.11	12.01	2.46	4.20	52.19
1899.	4.11	4.43	6.25	1.47	3.55	2.74	3.15	4.14	5.17	2.87	1.52	2.10	41.50
1900.	3.88	3.56	3.82	2.77	1.13	5.87	2.03	0.97	4.40	4.07	2.94	2.82	38.28
1901.	1.62	T.	4.34	6.52	9.30	2.76	5.51	8.90	3.08	1.98	1.70	4.90	50.61
1902.	2.57	2.20	3.40	3.20	2.55	3.15	3.50	3.70	4.16	6.61	1.10	4.00	40.14
1903.	2.55	5.53	5.13	2.87	2.12	7.68	2.26	2.91	1.75	2.38	0.76	1.40	37.34
1904.	4.27	1.20	2.83	3.15	2.15	5.78	5.29	4.34	1.65	0.62	1.06	2.87	35.42
1905.	3.00	2.64	2.93	1.48	3.42	4.10	8.70	4.37	3.21	3.18	0.63	4.51	42.17
M'ns	3.26	3.05	3.63	2.93	4.07	3.86	4.67	4.42	3.44	3.38	2.05	2.91	41.67

CHARLOTTESVILLE, ALBEMARLE COUNTY, VA. Elevation, 800 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1849.	1.84	4.00	3.63	2.38	3.06	2.38	3.10	7.00	1.14	3.54	3.13	3.31	38.51
1874.	3.00	1.98	1.70	7.20	2.00	2.80	3.85	3.10	4.75	1.00	1.60	1.75	34.73
1875.	1.35	2.09	3.40	2.30	1.25	2.95	6.00	7.20	2.40	1.55	3.70	3.50	37.69
1876.	0.80	1.40	4.60	1.20	1.30	3.00	5.85	3.15	7.45	0.60	3.35	1.80	34.50
1877.	3.80	0.30	2.10	4.25	2.50	2.60	2.05	1.20	2.70	6.55	6.50	1.70	36.25
1878	3.50	2.70	2.50	5.50	4.70	3.00	3.00	4.80	1.40	5.40	1.80	5.35	43.65
1879.	3.60	1.15	1.05	.....	......	......	......	......	......	......	.....	......	......
1880	.....	......	......	......	......	......	......	......	—	......	......	......	......
1881.	.....	......	......	......	......	......	..	......	......	......	......	......	......
1882.	......	......	......	2.74	2.58	1.93	2.14	6.12	7.18	1.52	0.59	3.29	......
1883.	3.97	2.74	3.04	4.29	1.70	5.74	1.68	2.29	4.98	3.79	1.05	2.22	37.49
1884.	4.49	7.12	8.78	2.21	2.91	5.33	3.96	2.03	0.04	0.96	2.24	4.74	44.84
1885.	4.43	3.61	1.22	1.39	7.90	......	.....	.....	......	10.76	2.85	2.85	......
1886.	4.71	4.56	5.65	3.11	9.66	7.33	8.34	1.74	1.75	0.80	4.29	2.43	54.37
1887.	1.79	3.58	2.11	3.01	6.03	7.04	3.37	2.96	2.58	2.51	1.00	4.42	40.32
1888.	2.25	4.18	4.69	1.79	6.28	3.86	3.08	5.40	13.10	3.44	4.65	3.54	56.26
1889.	4.42	2.65	1.92	4.90	9.22	4.72	12.05	3.16	9.60	4.50	4.52	......	61.66
1890.	......	0.45	2.65	0.95	......	......	......	......	.....	.....	......	......	......
1891.	.....	......	......	..	......	......	......	......	......	......	......	......	......
1892.	5.08	2.32	4.71	3.43	1.62	3.43	1.21	3.32	3.16	0.55	3.10	2.19	34.12
1893.	2.44	4.06	1.57	3.54	6.62	3.54	5.70	5.60	8.73	6.28	2.52	1.57	52.22
1894.	2.15	5.43	0.86	2.34	2.68	1.08	3.90	3.30	6.43	3.72	1.22	2.37	35.48
1895.	4.88	1.61	3.38	7.14	4.89	2.06	1.77	2.51	0.28	2.28	1.77	3.51	36.98
1896.	3.54	4.22	4.95	1.39	3.01	5.50	6.09	3.10	6.46	0.25	4.91	T.	43.42
1897.	2.02	......	......	.....	......	......	......	......	......	.....	......	......	......
1898.	2.56	0.56	3.34	3.16	7.37	4.69	7.89	10.61	3.94	9.09	2.07	5.70	60.98
1899.	4.47	5.38	5.72	1.67	3.13	3.30	5.65	4.53	4.30	3.15	1.00	2.30	44.65
1900.	4.85	4.00	4.48	3.15	2.58	5.64	2.08	2.53	3.99	3.46	2.68	4.16	43.60
1901.	2.74	0.90	2.45	9.05	7.66	6.64	7.23	12.91	4.62	0.57	2.17	8.35	65.29
1902.	3.24	4.75	3.51	2.64	3.99	5.09	4.82	3.45	6.46	8.97	5.09	4.20	56.21

CHARLOTTESVILLE, VA.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903.	5.12	4.40	4.51	3.81	1.76	15.82	2.40	3.82	1.93	3.44	0.80	1.54	49.35
1904.	1.95	1.32	2.21	2.70	3.63	4.57	4.54	2.91	2.16	0.61	0.94	2.82	30.37
1905.	1.99	2.86	1.83	2.06	4.06	8.00	10.14	5.67	3.96	2.57	0.49	3.27	46.90
1906.	3.47	1.01	4.66	3.11	2.85	5.68	**4.57**	14.41	1.95	9.26	2.70	3.17	56.87
1907.	1.77	1.89	1.96	3.98	3.26	7.13	2.68	4.27	6.71	0.88	5.69	5.86	46.08
1908.	3.45	5.46	2.62	2.03	5.14	6.01	5.36	5.55	4.45	3.78	0.93	4.08	48.86
M'ns	3.22	2.99	3.28	3.30	4.18	4.89	4.64	4.78	4.44	3.53	2.64	3.20	45.09

COLUMBIA, FLUVANNA COUNTY, VA. Elevation, 206 feet.

1898.	......	......	......	......	......	......	......	1.83	2.00	7.20	**2.12**	6.10	......
1899.	......	2.30	**6.88**	**1.80**	1.46	2.25	1.55	4.60	3.90	**3.30**	0.50	0.60	......
1900.	3.00	3.80	2.80	2.10	1.85	3.20	2.50	0.42	1.20	......	1.12	1.90	......
1901.	3.70	0.35	2.10	6.70	7.50	10.60	5.60	8.60	4.80	0.40	1.90	4.50	56.75
1902.	2.90	6.20	2.70	1.90	1.70	2.45	1.90	4.00	6.30	6.50	4.30	3.50	44.35
1903.	3.60	4.00	5.00	4.60	3.50	4.50	2.00	6.90	0.90	3.50	0.75	1.60	40.85
1904.	2.00	2.30	3.80	2.70	4.45	2.79	9.01	2.24	4.50	0.91	1.91	3.79	40.40
1905.	2.91	3.50	1.27	2.88	9.58	5.41	4.00	4.44	4.50	2.73	0.35	6.25	47.82
1906.	4.79	1.26	6.34	1.56	3.31	2.47	4.67	9.83	1.98	7.22	2.93	2.45	48.81
1907.	1.69	1.31	2.82	4.65	4.41	5.63	1.78	5.79	5.61	1.58	5.88	3.97	45.12
1908.	3.96	5.54	2.47	2.75	4.65	4.03	6.24	7.50	3.45	3.55	1.35	4.33	49.55
M'ns	3.14	3.06	3.62	3.16	4.24	4.33	3.92	5.10	3.56	3.69	2.10	3.54	43.46

BON AIR, CHESTERFIELD COUNTY, VA. Elevation, 130 feet.

1893.	4.42	4.93	3.46	3.60	5.08	2.41	3.58	5.37	7.45	6.14	3.56	2.14	52.14
1894.	3.42	4.12	1.39	3.19	6.65	5.40	2.85	4.93	7.22	4.69	1.53	2.80	48.19
1845.	5.14	1.78	4.60	7.91	5.05	2.07	5.28	2.06	0.43	2.52	3.77	2.09	42.70
1896.	2.98	4.21	3.98	2.22	4.21	6.11	7.13	1.26	4.61	0.89	3.27	1.27	42.14
1897.	1.90	6.27	5.00	2.62	2.46	2.11	3.74	1.73	0.86	6.62	4.37	4.01	41.69
1898.	1.72	0.81	3.43	4.71	6.95	2.34	3.50	4.74	3.22	4.89	2.93	3.25	42.49
1899.	4.23	5.85	6.28	1.48	2.16	2.83	4.24	5.34	5.55	3.43	0.86	1.95	44.20
1900	2.54	4.10	2.58	4.37	2.47	3.57	2.49	1.15	3.64	3.97	2.99	3.00	36.87
1901.	3.79	0.69	4.28	5.63	4.19	2.61	8.86	9.66	3.31	0.99	1.71	6.94	52.66
1902	3.55	5.02	2.54	1.68	4.55	4.32	5.98	3.94	4.80	4.01	4.50	4.80	49.69
1903.	4.01	4.53	6.27	6.12	3.08	4.73	5.17	4.28	**2.38**	**3.94**	**1.38**	**2.40**	48.25
M'ns	3.43	3.85	3.98	3.96	4.26	3.50	4.80	4.04	3.95	3.83	2.80	3.15	45.55

RICHMOND, HENRICO COUNTY, VA. Elevation, 144 feet.

1871.	......	2.85	8.64	2.10	4.61	4.30	......	......	......	......	......	......	......
1872.	1.82	3.28	4.55	2.22	1.77	2.01	1.63	4.95	2.42	5.14	2.22	2.76	34.77
1873.	4.50	8.92	2.05	2.45	8.98	2.21	3.00	9.22	2.59	4.80	3.45	1.05	53.22
1874.	3.33	1.11	3.16	7.02	2.20	2.90	4.40	2.34	2.90	0.11	1.28	2.76	33.51
1875.	2.65	3.70	5.60	3.11	2.67	3.25	2.60	9.50	1.58	1.39	3.76	1.69	41.48
1876.	0.55	0.59	3.74	1.81	3.04	3.75	2.50	2.75	4.42	1.00	2.50	1.00	27.65
1877.	2.45	0.66	3.17	3.33	2.04	1.29	5.22	1.97	2.35	4.27	3.55	1.41	31.71
1878.	3.14	1.25	2.06	3.47	5.42	2.31	1.66	3.65	0.96	5.08	1.91	4.34	35.25
1879.	4.11	1.49	2.28	3.25	1.70	2.20	3.39	7.33	1.29	1.66	0.70	5.01	33.81
1880.	0.68	......	5.42	1.06	1.35	2.40	3.28	8.98	3.53	2.14	2.93	3.61	......
1881.	2.36	1.84	3.74	3.04	1.15	3.47	1.78	1.78	2.42	2.15	6.14	6.14	36.01
1882.	5.40	3.40	2.48	1.94	4.11	1.66	2.52	6.50	6.50	2.01	0.21	2.80	39.75
1883.	3.18	2.24	2.01	6.45	1.60	2.64	3.62	4.44	6.02	5.12	1.30	1.59	40.21
1884.	2.25	4.81	5.53	1.94	1.04	2.89	4.02	1.40	0.15	0.52	1.64	4.65	30.84
1885.	3.97	3.00	2.00	3.07	5.19	3.83	3.07	1.69	1.20	3.46	2.86	4.39	37.73
1886.	4.45	3.17	3.70	2.57	8.67	6.32	10.64	4.90	3.07	1.45	3.22	2.18	54.34
1887.	1.88	4.40	2.52	2.71	3.56	4.45	6.58	8.27	1.19	4.94	2.49	4.04	47.03
1888.	3.93	2.39	5.26	2.55	5.07	4.89	1.40	4.19	10.41	3.24	5.52	5.52	54.37
1889.	4.77	3.70	3.68	8.89	9.13	7.93	14.01	3.99	5.60	5.23	4.59	0.57	72.09
1890.	1.31	3.13	3.47	2.85	4.50	1.52	4.19	3.26	6.20	9.00	0.11	3.91	43.45
1891.	4.30	6.89	9.70	2.21	4.45	5.51	5.86	5.86	2.32	2.04	2.02	1.67	52.83
1892.	4.13	2.71	3.63	7.07	2.22	3.12	4.18	1.24	3.09	0.46	4.36	1.42	37.63
1893.	4.42	4.93	3.46	3.60	5.08	2.41	3.61	5.37	7.45	6.14	3.56	2.14	52.17
1894.	3.42	4.12	1.39	3.19	6.65	5.40	2.85	4.93	7.22	4.69	1.53	2.80	48.19
1895.	5.14	1.78	4.60	7.91	5.05	2.07	5.28	2.06	0.43	2.52	3.77	2.09	42.70
1896.	2.98	4.21	3.98	2.22	4.21	6.11	7.13	1.26	4.61	0.89	3.27	1.27	42.14
1897.	1.90	6.27	5.00	2.62	2.46	2.11	3.74	1.73	0.86	6.54	3.07	2.63	40.20
1898.	1.05	1.05	3.78	4.83	5.28	2.98	4.15	6.31	2.33	4.59	2.22	3.08	41.65
1899.	2.94	4.72	5.56	2.04	2.14	2.41	4.12	5.61	6.21	4.03	1.19	2.33	43.30
1900.	2.71	4.42	2.89	3.62	2.20	3.08	3.13	3.66	4.03	2.55	2.87	2.60	37.76
1901.	2.80	0.55	3.79	5.29	3.80	2.32	5.06	6.99	3.21	0.79	1.37	6.08	42.05
1902.	3.26	4.84	1.89	3.12	3.42	4.81	6.21	3.10	4.91	4.81	4.83	4.12	49.32
1903.	3.61	5.02	8.14	4.46	3.36	5.73	5.17	3.21	1.60	3.44	1.40	2.28	47.42
1904.	2.34	2.71	3.52	1.57	1.45	4.11	6.25	3.83	3.00	2.80	2.55	3.71	37.84
1905.	2.47	4.14	2.18	3.06	4.09	3.72	3.25	4.01	2.61	1.24	0.51	7.10	38.38
1906.	2.54	2.57	4.78	2.16	3.37	5.11	6.75	8.68	0.35	7.47	0.87	2.12	46.80
1907.	1.22	2.30	2.91	4.87	5.78	6.21	2.99	5.31	6.51	2.30	4.64	3.44	48.48
1908.	4.39	3.92	2.96	2.73	6.71	5.72	4.37	10.40	2.74	2.87	1.25	4.72	52.78
M'ns	3.04	3.33	3.93	3.48	3.93	3.66	4.42	4.72	3.47	3.31	2.59	3.11	42.99

ASHLAND, HANOVER COUNTY, VA. Elevation, 221.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892.	**4.80**	**2.52**	3.31	6.04	2.59	3.48	5.37	2.36	3.09	0.60	4.93	0.64	39.53
1893.	2.88	3.62	1.07	2.42	8.54	5.98	9.12	3.00	6.56	6.07	2.71	2.50	54.41
1894.	2.43	4.35	1.52	2.38	6.93	0.86	3.73	4.44	5.72	4.84	2.79	2.44	42.43
1895.	**4.50**	1.32	2.98	6.90	9.18	2.95	4.09	0.49	0.13	1.55	2.62	1.78	37.49
1896.	2.35	3.56	4.12	2.00	3.37	3.67	6.64	1.46	5.49	0.56	2.42	0.51	36.15
1897.	1.52	6.26	4.56	2.82	3.01	3.64	4.93	2.28	0.80	6.93	3.47	2.67	42.89
1898.	1.61	0.78	4.18	5.09	6.05	3.94	4.42	4.82	2.86	4.33	1.93	3.33	43.34
1899.	3.84	4.60	5.82	1.11	3.14	2.38	6.76	5.11	4.48	3.98	1.57	2.42	45.21
1900.	3.29	5.09	2.62	3.42	2.59	5.25	1.62	1.21	3.47	3.63	2.43	2.83	37.45
1901.	3.11	0.36	3.82	5.66	6.46	1.40	6.82	10.13	3.89	1.40	1.40	5.40	49.85
1902.	2.93	3.61	1.66	2.97	4.00	5.07	2.75	2.61	4.86	4.94	4.19	5.74	45.33
1903.	4.50	4.76	5.20	5.57	2.79	3.65	4.30	7.54	2.34	4.01	1.87	2.87	49.40
1904.	1.85	1.68	3.64	2.93	1.75	6.35	4.35	3.94	4.42	2.45	2.05	3.16	38.57
1905.	1.54	2.40	1.73	2.87	3.28	4.93	5.30	6.41	3.10	0.66	0.47	6.58	39.27
1906.	2.36	1.83	5.64	2.31	2.74	4.33	7.39	12.18	1.23	9.40	1.83	1.34	52.58
1907.	0.83	1.57	3.15	4.12	4.99	5.16	2.27	6.44	4.23	2.53	4.44	3.66	43.39
1908.	4.09	3.34	2.94	2.75	3.89	4.69	9.13	3.07	2.51	4.22	2.34	3.68	46.65
M'ns	2.84	3.04	3.41	3.61	4.43	3.98	5.18	4.56	3.48	3.65	2.56	3.03	43.77

PETERSBURG, DINWIDDIE COUNTY, VA. Elevation, 60 feet.

1887.	......	......	......	......	......	......	......	......	......	......	.....	3.92	.....
1888.	2.45	2.94	8.58	0.96	8.30	3.12	7.00	5.45	9.84	3.10	3.51	2.73	57.98
1889.	3.71	5.45	5.29	6.22	8.83	7.94	4.46	2.38	6.74	5.43	4.21	0.67	61.33
1890.	1.07	2.70	3.57	2.94	5.31	1.95	3.81	3.85	4.29	8.10	0.06	3.70	41.35
1891.	3.25	5.60	8.82	2.23	5.74	5.03	3.08	5.12	2.73	2.61	1.95	1.26	47.42
1892.	3.17	3.28	3.17	5.51	3.30	5.01	5.02	3.97	3.46	0.43	3.55	1.68	43.55
1893.	2.35	6.25	3.17	3.37	5.70	2.31	5.13	5.42	4.03	5.56	4.06	3.00	50.35
1894.	3.06	3.80	2.02	3.47	5.68	1.96	4.58	3.56	8.15	3.70	1.78	2.66	44.42
1895.	3.99	1.61	5.33	7.55	4.85	1.95	5.00	2.36	0.34	1.80	2.76	2.13	39.67
1896.	2.58	4.64	3.33	1.91	7.25	5.90	8.33	0.70	3.05	0.63	2.53	1.93	42.78
1897.	1.96	5.85	5.71	2.52	3.40	2.19	2.72	1.20	1.69	4.88	2.78	2.66	37.56
1898.	1.21	0.78	3.95	4.90	5.35	2.57	4.74	2.83	2.31	3.33	2.43	2.04	36.44
1899.	2.94	5.57	5.93	1.73	4.16	3.07	6.13	5.81	4.09	3.05	1.26	1.97	45.71
1900.	2.95	4.54	2.74	2.50	1.69	6.49	4.14	2.42	3.67	2.82	4.87	2.88	41.71
1901.	2.68	0.70	3.99	5.00	5.12	2.81	3.64	7.13	3.45	2.71	2.48	6.15	45.86
1902.	2.95	5.67	2.60	3.53	3.86	3.47	3.87	4.42	4.43	2.53	2.50	3.32	43.15
1903.	2.72	5.52	8.11	4.63	3.00	10.25	4.31	4.85	3.12	4.45	1.33	2.52	54.81
1904.	2.07	2.69	3.33	1.61	1.24	5.17	5.85	3.20	2.41	2.12	3.56	5.24	38.49
1905.	2.88	2.91	4.15	3.38	4.18	2.50	3.19	5.66	1.59	1.12	0.64	7.23	39.43
1906.	1.78	1.60	5.44	3.29	3.43	8.72	7.50	8.98	0.14	3.68	0.72	3.19	48.47
1907.	0.82	2.95	2.90	3.25	*4.78	*6.08	*3.70	5.30	5.80	2.52	4.24	*4.24	46.58
1908.	4.40	4.83	3.94	3.27	4.80	4.29	6.59	11.68	2.79	2.58	1.49	3.85	54.49
M'ns	2.72	3.80	4.57	3.51	4.76	4.42	4.89	4.59	3.72	3.20	2.51	3.16	45.85

WILLIAMSBURG, JAMES CITY COUNTY, VA. Elevation, 74 feet.

1900.	......	......	......	......	......	......	......	......	.....	.....	3.60	2.75	.....
1901.	1.99	0.45	3.86	5.66	4.39	2.65	5.72	9.00	5.05	3.15	0.68	5.02	47.62
1902.	2.79	5.14	0.97	3.71	3.54	2.49	4.78	3.18	3.91	2.94	3.71	3.07	40.23
1903.	2.47	5.65	6.37	3.84	1.48	7.25	5.87	4.87	2.65	4.74	2.15	1.90	49.24
1904.	3.67	2.10	**3.61**	1.93	**2.49**	**5.32**	**6.11**	**3.86**	**3.53**	**2.21**	**2.63**	7.45	45.00
1905.	3.72	4.50	3.58	3.71	3.09	3.12	8.61	2.22	4.51	2.00	0.65	5.60	45.31
1906.	4.00	5.45	7.00	2.85	2.57	7.05	6.51	16.55	1.20	5.54	0.90	5.25	64.87
1907.	0.60	4.25	2.70	6.40	3.67	3.91	7.15	7.87	5.30	2.45	5.70	4.65	54.65
1908.	4.44	4.50	6.15	3.08	3.95	5.32	5.65	**8.63**	1.79	2.52	1.70	4.06	51.79
M'ns	2.86	4.00	4.28	3.90	3.15	4.64	6.30	7.03	3.49	9.19	2.41	4.42	49.67

YORK BASIN GROUP.—DOSWELL, HANOVER COUNTY, VA.
Elevation, 134 feet.

1897.	3.15	**5.70**	4.10	1.90	2.70	2.38	2.09	2.40	0.70	5.60	2.57	2.80	36.09
1898.	1.60	0.79	4.35	5.23	3.82	2.26	5.23	**4.63**	2.80	**4.57**	3.47	1.16	39.91
1899.	4.26	4.68	4.90	0.96	2.45	2.22	2.45	**4.78**	4.50	2.02	**1.88**	**2.12**	36.92
1900.	**3.22**	3.32	1.50	2.89	2.40	2.28	2.01	0.92	1.58	2.73	**2.28**	**3.13**	28.24
1901.	2.72	**0.43**	1.98	4.78	4.68	3.14	4.99	9.11	3.84	1.51	**1.48**	**6.65**	45.30
1902.	......	......	......	......	......	......	.....	......	......	......	......	......	......
1903.	......	......	......	.....	......	......	......	......	.....	......	......	......	......
1904.	......	......	......	......	......	......	......	.	......	......	......	......	......
1905.	......	......	......	......	......	......	......	......	......	......	......	......	......
1906.	**2.66**	**1.66**	6.29	2.56	3.00	4.35	9.09	6.49	0.56	9.35	2.49	2.31	50.84
1907.	1.56	1.73	3.74	4.19	7.63	**4.64**	**2.80**	**5.58**	4.47	2.44	5.52	3.18	47.27
1908.	2.74	4.09	2.75	1.57	**4.17**	5.14	8.23	5.26	**2.82**	**3.80**	1.44	**3.80**	46.03
M'ns	2.74	2.80	3.70	3.01	3.86	3.30	4.59	4.90	2.67	4.00	2.60	3.16	41.33

*Data for Dinwiddie.

HYDROGRAPHIC DATA FOR SECTION 93.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY,
BY R. H. BOLSTER, ASSISTANT ENGINEER.

Preliminary Note.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section, which includes the James, Rappahannock, and a portion of Potomac River drainages, lies in the northern portion of the State of Virginia.

Shenandoah River, tributary to the Potomac, which lies largely within this area, drains broad and fertile valleys which are largely under cultivation. Considerable fall exists although not to the same extent as is the case with James River.

Rappahannock River, which crosses the fall line at Fredericksburg, heads in the Blue Ridge Mountains and drains the north-central portion of the State.

James River, which drains the central portion of Virginia, is an exceedingly important water-power stream. The upper portion of the basin is in a mountainous region and contains many important tributaries. There is much fall on the main stream, which crosses the fall line at Richmond. Many dams have been built in the James, generally for diverting water into the old James and Kanawha Canal, which followed the river from Richmond to Buchanan. This canal is now abandoned and its right of way is owned and, for considerable distances, occupied by the Chesapeake and Ohio Railway. The use of the dams was abandoned with the canal, and, although many of them are in good repair, they have not been improved for power purposes.

DISCHARGE OF SHENANDOAH RIVER AT MILLVILLE, W. VA., FOR PERIOD 1897-1906.

[Drainage area, 3,000 square miles.]

MONTH.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	27.900	820	3.270	1.09
February	50,000	730	4.550	1.52
March	77.900	820	5.610	1.87
April	50,000	1,090	4.920	1.64
May	45.900	880	3,580	1.19
June	38,200	960	3.210	1.07
July	13,900	730	2,040	.680
August	50,900	575	2,500	.833
September	11,900	510	1,260	.420
October	60,800	480	2.180	.727
November	9,020	480	1,420	.473
December	50,000	510	2,970	.990
The period	77,900	480	3,130	1.04

DISCHARGE OF JAMES RIVER AT BUCHANAN, VA., FOR PERIOD 1896-1905.

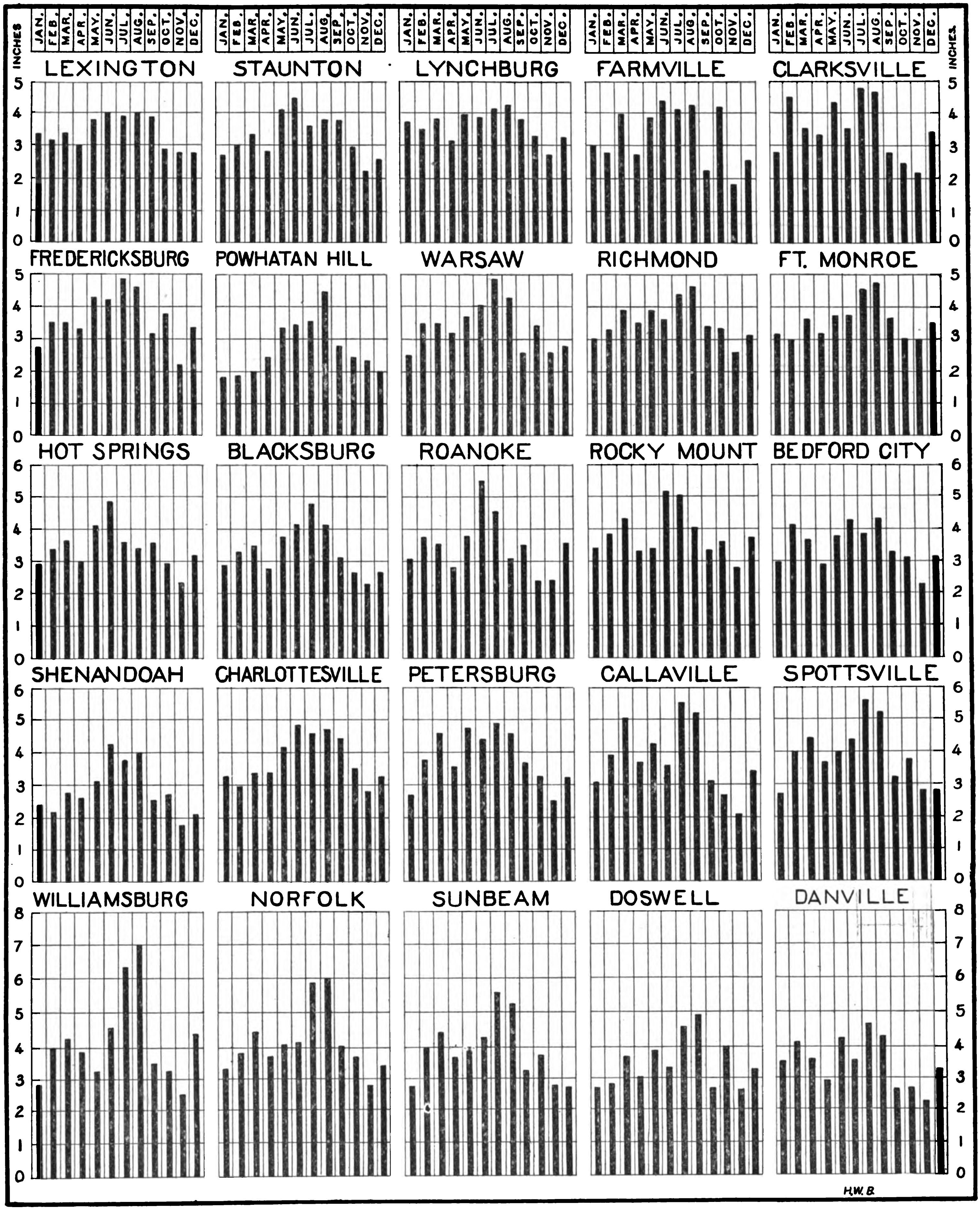
[Drainage area, 3,060 square miles.]

MONTH.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	23,100	440	2,570	1.25
February	45.700	428	4.600	2.23
March	66.300	835	5,980	2.90
April	29.800	260	3,740	1.82
May	36,600	260	3,170	1.54
June	27,000	599	2,179	1.05
July	42,900	325	1,750	.850
August	26,800	275	1,450	.704
September	40.200	275	920	.447
October	39.100	275	1,080	.524
November	57.500	295	1,290	.626
December	67,400	325	2,460	1.19
The period	67,400	260	2.600	1.26

DISCHARGE OF JAMES RIVER AT CARTERSVILLE, VA., FOR PERIOD 1899 TO SEPTEMBER, 1908.

[Drainage area, 6,230 square miles.]

MONTH.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	64,000	1,060	10,900	1.75
February	76,000	2.530	11,700	1.88
March	93,800	2,530	15,600	2.49
April	71,600	3,320	12,100	1.94
May	92,200	2.800	8,750	1.40
June	71,300	2,000	9,170	1.47
July	50,200	1,120	5,000	.803
August	49,800	1,100	5,800	.931
September	25.800	842	4.330	.695
October	84,800	900	5,210	.836
November	57.200	1,120	4,650	.739
December	97,800	1,430	8,620	1.38
The period	97,800	842	8,490	1.36



Diagrams showing the comparative monthly distribution of precipitation.

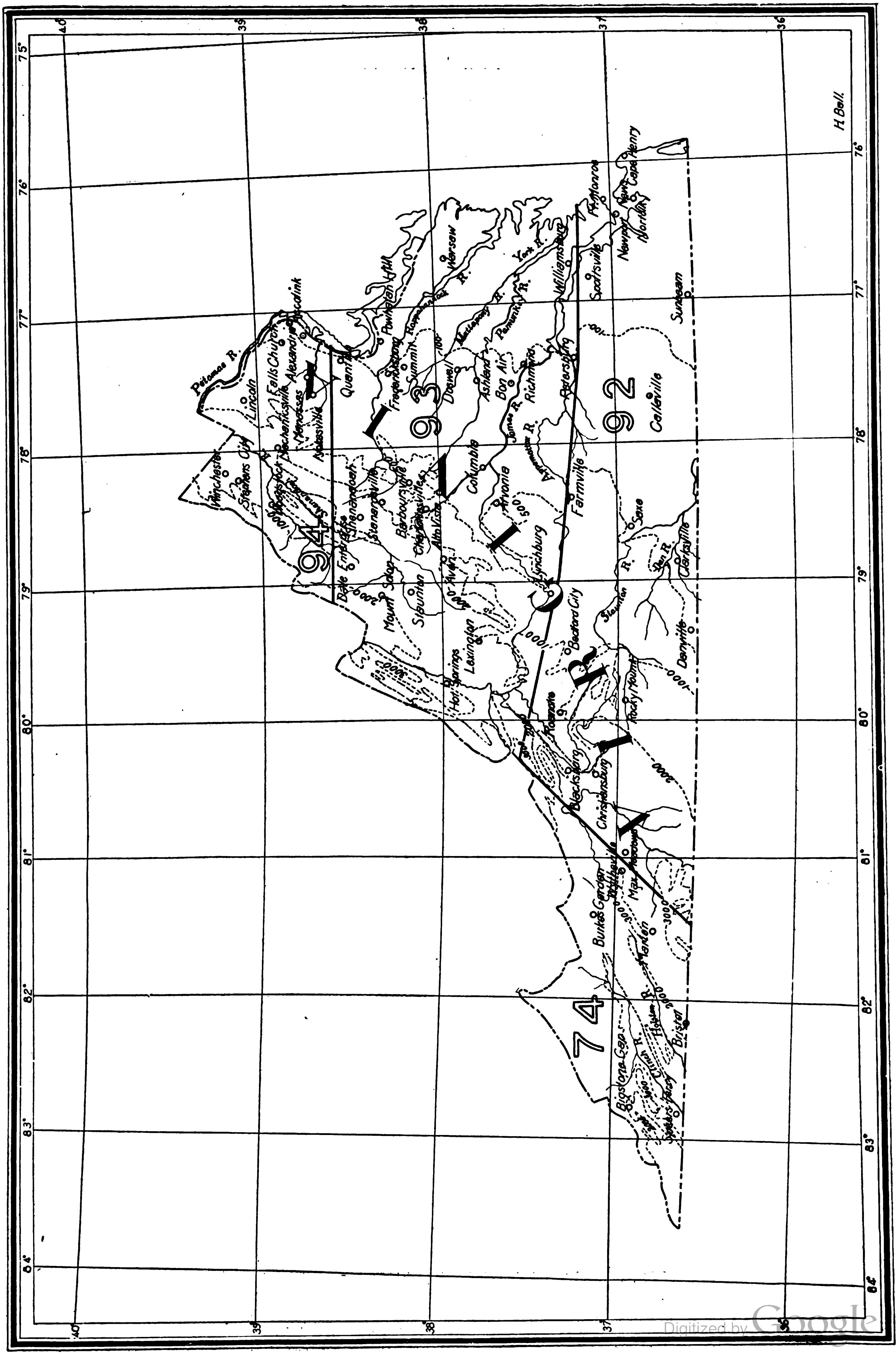


Chart showing principal points of observation, the drainage basins, and the general elevation of Virginia.

MISCELLANEOUS DATA.

Stations are arranged in order, beginning with those nearest the headwaters of each basin.

MEAN MONTHLY AND ANNUAL TEMPERATURES.

Groups and Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
James Basin Group:														
Hot Springs	16	30.4	29.7	42.6	49.4	60.2	66.8	69.6	69.0	62.7	51.3	41.2	32.7	50.5
Lexington	31	33.8	34.9	44.1	53.0	63.1	70.9	74.8	73.3	66.4	54.2	43.5	35.6	54.0
Lynchburg	37	35.8	38.2	45.4	55.6	65.9	73.5	77.3	74.8	68.4	56.9	46.1	38.3	56.4
Arvonia	13	35.5	34.5	47.1	54.5	65.6	72.4	77.0	75.5	69.2	57.0	46.2	37.1	56.0
Stanardsville	13	32.6	33.7	44.7	53.6	64.0	71.4	75.3	73.7	67.8	56.5	46.1	37.6	54.8
Charlottesville	18	35.5	35.5	46.3	55.8	66.1	72.4	76.2	74.5	68.0	57.4	47.6	38.1	56.1
Columbia	8	36.8	34.4	47.7	54.3	65.9	71.1	76.2	75.0	68.6	57.0	46.2	37.4	45.9
Bon Air	11	36.8	37.4	48.7	56.7	66.9	73.9	78.7	77.5	71.2	59.5	49.2	40.0	58.0
Richmond	29	38.0	39.9	46.9	57.2	63.7	75.1	79.2	77.5	70.8	59.8	48.8	41.0	58.5
Westbrook	6	36.6	36.0	45.8	52.0	66.7	74.7	79.0	78.6	71.7	58.8	49.2	39.3	57.4
Ashland	17	35.8	35.5	47.5	55.5	66.0	72.8	77.5	75.7	69.5	57.3	47.3	38.5	56.6
Petersburg	20	38.3	38.1	47.5	56.6	57.0	74.4	77.6	76.9	71.2	58.3	48.8	40.2	57.9
Williamsburg	16	40.2	40.4	48.7	56.3	64.4	71.7	76.8	75.2	69.1	59.0	48.1	41.5	57.6
York Basin Group:														
Doswell	7	36.7	33.4	47.8	55.1	65.4	75.2	78.8	77.0	70.5	57.4	47.1	38.7	57.0
Summit	7	33.6	34.8	39.2	52.4	62.2	69.9	73.7	72.1	66.0	54.3	43.8	35.1	53.1
Rappahannock Basin Group:														
Barboursville	10	36.4	34.3	46.9	54.8	65.6	72.0	76.4	75.0	69.5	58.5	48.3	37.0	56.2
Fredericksburg	18	35.9	33.9	46.5	54.2	65.2	72.6	77.2	75.7	69.3	57.2	46.5	36.9	55.9
Warsaw	15	35.8	34.3	46.5	54.5	65.8	73.1	77.7	75.8	69.9	57.4	46.4	38.2	56.3
Potomac (lower) Basin Group:														
Quantico (Potomac)	10	32.6	30.3	45.5	53.3	64.0	71.5	76.9	74.5	68.3	56.8	44.6	34.9	54.4
Powhatan Hill	8	37.6	37.6	44.4	54.3	66.2	75.9	80.0	77.2	70.2	57.9	45.0	37.9	57.0
Shenandoah Basin Group:														
Staunton	19	34.9	33.9	44.6	53.2	63.6	70.5	74.2	73.3	68.0	55.8	45.5	37.7	54.6
Mount Solon	10	34.4	36.2	42.8	54.0	62.3	70.3	74.4	72.0	64.2	54.5	42.3	34.5	53.5
Dale Enterprise	29	32.8	33.4	42.4	52.5	63.2	70.6	74.0	72.3	66.6	55.0	43.9	35.4	53.5

HIGHEST MONTHLY AND ANNUAL TEMPERATURES.

James Basin Group:														
Hot Springs	16	66	75	83	87	91	93	95	92	91	85	77	65	95
Lexington	17	76	74	89	92	94	96	101	97	98	89	82	72	101
Lynchburg	37	77	74	92	95	97	98	102	100	99	92	81	73	102
Arvonia	13	81	73	96	99	98	101	104	105	104	97	82	73	105
Stanardsville	13	69	72	84	94	95	100	101	101	99	90	78	76	101
Charlottesville	16	77	76	94	95	96	100	99	97	93	92	81	62	100
Columbia	10	77	73	93	91	100	100	108	107	100	89	82	75	108
Bon Air	11	77	75	92	100	102	106	105	103	107	90	83	74	107
Richmond	12	78	72	94	90	94	99	99	102	100	90	82	70	102
Westbrook	5	65	68	81	94	96	99	102	104	100	88	80	68	104
Ashland	17	77	76	92	96	94	101	103	105	100	89	82	76	105
Petersburg	17	78	73	86	96	98	101	101	102	103	91	83	79	103
Williamsburg	10	72	68	92	88	90	97	98	96	92	87	80	72	98
York Basin Group:														
Doswell	7	77	72	95	91	98	106	104	101	101	89	82	73	106
Rappahannock Basin Group:														
Barboursville	11	76	78	92	90	91	96	98	101	100	94	86	73	101
Fredericksburg	17	77	71	93	92	96	102	103	100	100	88	81	72	103
Warsaw	15	75	72	94	96	95	101	102	102	98	88	78	70	102
Potomac (lower) Basin Group:														
Quantico (Potomac)	10	70	68	92	94	94	101	105	100	97	88	78	70	105
Shenandoah Basin Group:														
Staunton	19	71	75	89	93	94	98	103	102	100	90	78	70	103
Dale Enterprise	29	71	71	91	92	94	97	101	100	100	89	78	70	101

LOWEST MONTHLY AND ANNUAL TEMPERATURES.

James Basin Group:														
Hot Springs	16	—18	—14	2	11	18	33	35	41	22	14	0	— 9	—18
Lexington	17	—12	— 9	6	20	26	42	46	47	32	19	— 1	— 8	—12
Lynchburg	37	— 6	— 3	14	25	34	45	53	47	35	28	13	— 5	— 6
Arvonia	13	— 7	— 8	5	14	28	40	48	46	33	21	10	— 5	— 8
Stanardsville	13	— 1	—12	12	19	33	36	50	40	33	21	13	— 2	—12
Charlottesville	16	— 1	— 9	10	21	35	46	52	50	37	26	14	4	— 9
Columbia	10	0	0	8	20	25	42	51	51	33	17	8	0	0
Bon Air	11	—13	— 5	13	25	37	44	52	52	39	27	15	2	—13
Richmond	12	9	— 3	15	25	39	49	58	55	43	33	19	4	— 3
Westbrook	5	4	— 3	18	27	39	45	54	50	41	30	22	2	— 3
Ashland	17	—16	— 6	11	24	34	45	51	46	36	25	14	— 2	—16
Petersburg	17	—10	— 3	10	21	29	36	52	50	35	42	9	3	—10
Williamsburg	10	3	2	8	25	33	45	54	53	40	27	15	8	2

LOWEST MONTHLY AND ANNUAL TEMPERATURES—Continued.

Groups and Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
York Basin Group:														
Doswell	7	0	— 5	10	23	30	47	50	47	35	20	18	6	— 5
Rappahannock Basin Group:														
Barboursville	11	— 2	—15	9	23	35	45	52	51	35	25	16	— 2	—15
Fredericksburg,	17	— 4	—21	11	21	30	41	49	50	34	21	12	0	—21
Warsaw	15	— 8	—23	9	22	29	44	48	48	33	27	13	— 2	—23
Potomac (lower) Basin Group;														
Quantico (Potomac)	10	— 4	—20	10	21	28	41	48	46	36	25	13	— 2	—20
Shenandoah Basin Group:														
Staunton	19	—13	—12	4	19	31	41	44	45	32	20	4	— 3	—13
Dale Enterprise	29	—16	—22	— 1	12	27	38	43	41	30	18	3	— 8	—22

AVERAGE MONTHLY AND ANNUAL SNOWFALL.

James Basin Group:														
Hot Springs	15	6.9	8.1	3.4	1.4	T.	0	0	0	0	T.	1.3	4.5	25.6
Lexington	16	6.6	7.9	4.2	0.2	0	0	0	0	0	T.	1.2	3.8	23.9
Lynchburg	23	5.1	4.9	3.1	0.5	0	0	0	0	0	0	0.4	3.0	17.0
Arvonia	13	3.8	6.0	1.6	0.2	0	0	0	0	0	T.	0.1	2.6	14.3
Stanardsville	13	7.5	6.0	1.5	T.	0	0	0	0	0	0	0.5	1.8	17.3
Charlottesville	13	3.9	9.3	2.8	0.1	0	0	0	0	0	0	0.7	3.0	19.8
Columbia	10	3.3	7.6	1.8	T.	0	0	0	0	0	0	0.4	2.6	15.7
Bon Air	11	5.8	5.8	2.1	0.1	0	0	0	0	0	0	0.1	2.1	16.0
Richmond	12	3.9	6.4	2.6	0.2	0	0	0	0	0	0	0.4	3.3	16.8
Ashland	16	3.7	5.9	2.4	T.	0	0	0	0	0	0	0.5	3.0	15.5
Petersburg	16	5.2	5.5	1.7	T.	0	0	0	0	0	0	0.4	2.8	15.6
Williamsburg	9	2.6	4.7	1.5	0.2	0	0	0	0	0	0	0.1	1.7	10.8
York Basin Group:														
Doswell	7	2.0	6.6	2.6	T.	0	0	0	0	0	0	0.1	0.2	11.5
Rappahannock Basin Group:														
Barboursville	11	5.3	8.4	3.6	T.	0	0	0	0	0	0	0.2	2.5	20.0
Fredericksburg	14	4.1	7.1	2.3	T.	0	0	0	0	0	0	0.5	3.0	17.0
Warsaw	15	4.1	4.9	1.6	T.	0	0	0	0	0	0	0.3	2.8	13.7
Potomac (lower) Basin Group:														
Quantico (Potomac)	5	2.9	9.1	1.4	0.8	0	0	0	0	0	0	1.0	3.8	19.0
Shenandoah Basin Group:														
Staunton	16	6.8	11.3	4.8	0.8	0	0	0	0	0	T.	1.1	4.1	28.9
Dale Enterprise	16	7.3	12.0	5.8	1.5	T.	0	0	0	0	T.	1.6	4.5	32.7
Shenandoah	7	6.2	7.3	3.3	0.5	T.	0	0	0	0	T.	0.8	4.7	22.3

AVERAGE MONTHLY AND ANNUAL NUMBER OF DAYS WITH .01 INCH, OR MORE, OF PRECIPITATION.

James Basin Group:														
Hot Springs	16	8	8	10	9	11	12	10	9	7	6	6	7	103
Lexington	17	9	8	10	8	12	12	11	10	7	6	7	8	108
Lynchburg	37	11	10	11	10	12	13	12	12	9	7	8	9	124
Arvonia	13	7	7	10	8	10	9	10	10	7	6	5	7	96
Stanardsville	13	7	6	6	6	8	8	9	7	5	5	5	5	77
Charlottesville	16	8	7	9	9	12	12	13	12	8	6	5	7	108
Columbia	10	6	7	8	9	9	8	8	9	5	5	4	6	84
Bon Air	11	8	9	10	8	11	10	11	9	7	7	7	8	105
Richmond	12	10	10	12	10	12	11	13	12	7	8	7	10	122
Ashland	17	7	7	9	7	10	9	10	8	6	5	6	7	91
Petersburg	17	8	9	10	9	10	10	11	11	7	6	6	8	105
Williamburg	8	8	7	9	8	9	8	11	10	5	5	4	7	91
York Basin Group:														
Doswell	7	5	6	9	7	8	5	8	7	5	7	6	5	78
Rappahannock Basin Group:														
Barboursville	11	11	9	12	9	12	14	13	15	8	8	7	10	128
Fredericksburg	15	9	9	10	8	12	10	12	10	7	7	7	9	110
Warsaw	16	6	7	8	7	8	7	9	7	6	5	5	6	81
Potomac (lower) Basin Group:														
Quantico (Potomac)	4	6	3	7	5	8	8	8	8	5	6	4	6	74
Shenandoah Basin Group:														
Staunton	17	8	7	9	8	12	11	10	11	6	6	6	7	101
Dale Enterprise	16	6	7	8	7	11	11	10	8	7	6	6	6	93
Shenandoah	7	6	6	9	7	9	11	10	9	5	5	4	6	87

PREVAILING MONTHLY AND ANNUAL WIND DIRECTION.

Groups and Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
James Basin Group:														
Hot Springs	5	s	s	s	s	s	s	s	s	s	s	n	s	s
Lexington	15	nw	nw	s	s	s	nw	s	se	s	nw	sw	nw	nw
Lynchburg	37	nw	nw	nw	nw	ne	sw	sw	ne	ne	ne	nw	sw	nw
Arvonia	13	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	w	sw
Charlottesville	10	w	w	sw	w	w	s	sw	w	w	sw	n	w	w
Columbia	10	sw	ne	sw	nw	s	nw	sw	ne	sw	ne	sw	sw	sw
Bon Air	11	sw	w	sw	w	sw	w	sw	sw	sw	ne	sw	sw	sw
Richmond	12	n	n	n	s	se	sw	s	s	n	n	n	n	n
Westbrook	5	nw	nw	nw	sw	sw	nw	sw	sw	nw	nw	nw	nw	nw
Ashland	17	n	nw	s	s	s	s	s	s	s	n	s	s	s
Petersburg	17	sw	sw	sw	sw	sw	sw	sw	sw	ne	ne	sw	sw	sw
Williamsburg	10	nw	nw	sw	sw	sw	sw	sw	sw	ne	ne	sw	sw	sw
York Basin Group:														
Doswell	7	n	n	w	w	w	w	sw	w	w	w	w	n	w
Rappahannock Basin Group:														
Barboursville	11	s	w	s	s	s	s	s	s	s	s	s	s	s
Fredericksburg	17	nw	n	n	nw	s	sw	sw	s	sw	nw	s	w	sw
Warsaw	15	n	n	s	n	s	s	s	s	s	n	n	n	s
Potomac (lower) Basin Group:														
Quantico (Potomac)	10	nw	nw	nw	sw	s	s	s	se	ne	nw	nw	nw	nw
Shenandoah Basin Group:														
Staunton	17	nw	nw	sw	sw	sw	sw	sw	sw	e	ne	sw	sw	sw
Dale Enterprise	17	s	s	s	s	s	s	s	s	s	s	s	s	s
Shenandoah	7	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw

FROST DATA.

Groups and Stations.	Length of record, yrs.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
James Basin Group:					
Hot Springs	17	October 4	May 1	Sept. 13	May 29
Lexington	18	October 12	April 22	Sept. 24	May 22
Lynchburg	23	November 1	April 14	October 4	May 4
Arvonia	13	October 14	April 25	Sept. 23	May 12
Stanardsville	12	October 25	April 12	October 8	April 28
Charlottesville	16	October 28	April 7	October 9	April 24
Columbia	9	October 18	April 21	October 7	May 8
Bon Air	8	October 30	April 8	October 17	April 17
Richmond	12	November 3	April 2	October 12	April 20
Westbrook	4	October 20	April 15	Sept. 22	April 26
Ashland	15	October 17	April 15	Sept. 24	May 11
Petersburg	18	October 18	April 11	October 1	May 10
Williamsburg	8	October 26	April 9	October 13	May 11
York Basin Group:					
Doswell	7	October 22	April 21	Sept. 30	May 11
Rappahannock Basin Group:					
Barboursville	11	October 18	April 22	October 1	May 11
Fredericksburg	16	October 20	April 13	October 2	May 11
Warsaw	16	October 22	April 15	October 2	May 11
Potomac (lower) Basin Group:					
Quantico (Potomac)	11	October 21	April 19	October 2	May 11
Shenandoah Basin Group:					
Staunton	17	October 12	April 25	Sept. 22	May 28
Dale Enterprise	17	October 3	April 28	Sept. 14	May 28
Shenandoah	3	October 9	April 29	October 3	May 11

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 94.—POTOMAC RIVER BASIN.

This section embraces the entire Potomac river basin above tidewater, that is, above Washington, D. C., and includes within its boundaries the famous Shenandoah or Great Valley of northern Virginia, the western portion of the Piedmont Plateau (that portion west of Parr's Ridge) and the Appalachian portion of Western Maryland, and that part of West Virginia lying between Maryland and Virginia. The topography, especially the economic physiography, of this section is of unusual interest, as it would be difficult to find elsewhere within so narrow limits more striking examples of the intimate relations that exist between the topography of a country and the life, habits and occupations of its inhabitants. The rich valleys lured the early settlers to agricultural pursuits, the abundant water power of the Piedmont Plateau to manufacturing lines, and the readily accessible building stones of the foot hills to quarrying, etc. Then again, one may find here excellent examples in the construction of highways, roads, turnpikes, canals and railways as to how topographic features determine and influence the commerce and industry of a country.

TEMPERATURE.

The variations in the prevailing and normal temperatures over the section are not very great, and are due more to local than to general causes. Elevation as between valley and mountain operates effectively to produce local climatic differences, but even these are not marked. The annual average temperature for the entire section is about 58 degrees, the greatest positive departures from this average occurring in the Great Valley of Northern Virginia, and the most decided negative departures occurring in the mountainous regions of West Virginia and western Maryland. The diurnal range is quite pronounced over the elevated portions, so that the oppressive effects of the hot waves that occasionally and for brief periods of time overspread the section in July and August are greatly reduced in the highlands by the cool night temperatures. The annual, and more especially the periodic range of temperature is quite large, being considerably more than 100 degrees. Spring temperatures, that is, temperatures at which plant-life awakens from its winter sleep, set in as a rule quite generally over the section in the latter part of March. By reference to the frost data herewith it will be seen that a very large part of the year is, on the average, entirely free from killing frosts.

PRECIPITATION.

The geographic position of this section with reference to the usual storm paths, is highly favorable for a uniform and abundant supply of moisture. On the average, precipitation in appreciable amounts occurs on about 100 days of the year, that is to say, about every three or four days. The average annual amount for the section is about 39 inches, this amount being quite evenly distributed throughout the year, the growing seasons having a slightly larger proportion. The average yearly amount in the Monocacy River Valley, (Western Piedmont Plateau), is above the section average; this is also true in the northern portion of Grant County, West Virginia; elsewhere over the section the amounts are generally slightly less than the section average. The section as a whole is unusually free from the destructive effects of prolonged and severe droughts. Excessive precipitation is rather frequent, occurring perhaps as often as ten times during the year. The loss of life or property from destructive winds, hail-storms, or thunderstorms is comparatively rare. The average annual depth of snowfall varies considerably over the section, the heaviest falls occurring in mountainous regions and the least in the southern valleys.

WILLIAM H. ALEXANDER.
SECTION DIRECTOR.

Precipitation in the Potomac River Basin, including western Maryland, northern Virginia and the eastern panhandle of West Virginia. Monthly, annual, and average amounts (in inches and hundredths). (Figures in bold-face type estimated from surrounding stations).

ACCOTINK, Fairfax Co., Va. Elevation, 1,135 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1870...	.....	......	......	......	.....	....	.....	......	......	......	......	1.45	......
1871...	4.73	1.10	7.10	1.02	**2.65**	2.05	3.66	1.50	2.52	2.85	3.76	1.53	**34.47**
1872...	0.57	1.10	5.65	2.25	1.12	2.60	0.60	7.25	4.95	4.20	3.25	3.75	37.29
1873...	6.25	4.60	2.27	1.30	4.40	2.10	5.88	9.51	1.60	5.75	3.76	1.06	48.48
1874...	4.45	5.05	2.40	10.10	3.45	3.32	2.64	2.00	5.30	0.20	2.30	3.10	44.31
1875...	......	......	......	......	......	......	......	......	.....	.....	......	......	......
1876...	......	.....	......	......	.....	......	....	......	......	....	.....	......	......
1877...	6.00	1.02	3.75	3.65	1.90	1.95	4.20	1.14	6.80	6.30	5.76	2.25	44.72
1878..	5.10	1.69	3.75	2.75	6.80	5.65	6.18	8.00	3.31	5.55	**3.00**	4.25	**56.01**
1879...	5.30	2.10	2.00	1.80	3.20	2.88	2.30	7.60	0.45	0.75	0.75	3.95	33.08
1880...	2.30	1.72	5.15	1.95	1.62	2.63	4.95	3.70	2.75	2.00	1.10	3.30	33.17
1881...	**5.00**	3.50	5.35	2.30	1.42	3.00	2.41	1.76	1.53	3.30	2.10	4.74	**36.41**
1882...	6.75	4.19	2.77	3.01	3.69	1.01	2.96	5.87	4.70	0.60	0.75	2.14	38.44
1883...	3.15	3.26	2.86	3.76	1.83	5.53	3.41	3.03	3.91	2.13	0.63	2.17	35.67
1884. .	4.53	5.70	5.77	1.86	3.27	5.53	8.13	0.97	T.	1.42	2.61	3.83	43.62
1885...	4.00	3.70	1.22	1.61	2.34	2.35	1.78	3.56	1.48	6.97	2 88	1.96	33.85
1886...	4.29	4.95	6.65	1.99	8.72	5.93	8.34	2.28	1.94	0.99	2.85	2.76	51.69
M'ns..	4.46	3.12	4.05	2.81	3.32	3.32	4.10	4.16	2.95	3.07	2.54	2.82	40.72

ALEXANDRIA, Alexandria Co., Va. Elevation, 50 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1853...	1.82	3.51	2.24	3.36	5.32	2.86	5.12	5.96	3.49	4.32	1.41	1.12	40.55
1854...	3.58	6.21	1.54	5.03	3.44	2.48	0.66	1.64	2.90	2.08	3.71	1.76	35.03
1855...	2.25	1.77	1.53	1.90	1.41	6.33	4.27	3.90	2.67	2.99	0.82	3.48	33.32
1856...	4.88	1.14	1.19	2.38	3.13	2.60	2.40	4.18	2.15	1.65	1.98	2.21	29.59
1857...	3.65	0.49	0.58	2.42	4.45	4.86	4.54	5.00	2.26	2.31	1.94	5.45	37.65
1858...	1.60	1.67	0.90	4.27	5.68	1.01	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1863...	......	......	......	......	......	......	......	0.88	1.73	2.30	......	2.32	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1889...	1.77	0.49	4.86	10.14	11.51	4.45	8.28	4.28	3.47	4.32	5.85	0.23	59.59
1890...	1.19	4.07	3.38	2.85	4.85	2.34	2.65	5.36	3.63	4.28	0.84	3.57	39.31
1891...	7.18	4.74	8.37	2.85	3.99	3.67	9.13	4.29	3.20	1.99	1.90	2.55	54.36
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1893...	**[illegible]**	**[illegible]**	**[illegible]**	2.00	5.48	1.35	2.23	1.90	3.00	3.34	4.30	2.54	**[illegible]**
1894...	2.02	5.15	0.89	2.63	5.60	1.05	2.94	1.38	1.13	2.91	1.66	2.72	30.08
1895...	5.12	1.76	1.67	4.44	**4.02**	1.73	3.96	1.68	1.36	1.56	0.69	0.58	**29.97**
1896...	**2.12**	1.60	1.69	0.41	2.53	**5.04**	**3.71**	1.15	3.14	0.40	2.49	0.31	**24.59**
1897...	1.83	5.23	2.58	2.68	6.71	3.43	4.65	2.73	1.53	3.39	3.44	3.43	41.63
1898...	3.46	1.31	2.81	2.65	3.05	0.45	3.22	6.55	0.84	3.75	2.87	3.86	34.82
1899...	4.22	6.09	5.68	1.48	2.63	3.72	4.84	4.49	4.92	2.78	1.76	1.62	44.23
1900...	1.95	4.49	3.14	1.76	2.92	6.60	2.86	3.49	6.36	1.22	1.91	2.65	39.35
1901...	2.56	0.53	2.69	5.44	2.20	3.50	9.82	4.13	1.39	0.89	1.59	7.53	42.56
1902...	3.28	3.67	3.65	1.79	2.23	3.99	3.53	1.92	4.34	6.90	3.34	5.08	43.72
1903...	4.18	4.95	5.45	3.32	3.75	3.69	3.96	**4.72**	**1.12**	**4.38**	**0.82**	**1.78**	**42.12**
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1905...	......	......	......	......	......	......	......	......	0.97	2.14	0.83	......	......
M'ns..	3.01	3.15	2.85	3.19	4.24	3.37	4.36	3.45	2.65	2.85	2.22	2.77	36.11

Fort Meyer record from January 1889 to December 1891, inclusive.

BACHMAN'S VALLEY, Carroll Co., Md. Elevation, 860 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893...	*2.31	*4.24	*1.85	***4.90**	*6.60	*5.00	*1.40	*4.20	***2.50**	4.45	4.03	1.03	**42.51**
1894...	1.24	3.10	2.78	3.45	9.13	2.25	2.98	4.29	7.87	3.65	2.73	4.34	47.81
1895...	4.18	0.70	1.93	6.45	2.95	2.56	2.77	2.52	5.49	2.23	1.80	3.68	37.26
1896...	1.40	6.19	6.18	1.63	2.67	5.09	4.42	1.85	2.58	2.06	3.70	1.27	39.04
1897...	2.20	7.18	5.50	3.37	7.52	3.71	5.10	5.62	2.08	2.22	8.43	3.59	56.52
1898...	3.74	1.91	4.75	4.87	12.29	0.86	4.62	4.98	1.83	6.10	5.52	6.02	57.49
1899...	4.32	6.10	6.78	2.35	......	2.42	2.97	4.39	7.28	2.32	3.65	2.80	......
1900...	2.21	8.22	4.12	1.79	2.76	6.29	2.98	2.77	2.21	2.37	4.50	3.14	43.36
1901...	3.69	1.11	6.99	5.93	7.47	5.10	8.90	12.04	6.46	2.00	*2.68	11.18	73.55
1902...	4.60	6.14	4.56	2.86	1.40	5.13	5.34	1.89	6.87	10.72	3.57	8.24	61.38
1903...	6.08	8.20	9.36	7.02	4.78	13.87	6.18	8.34	3.80	5.36	1.53	4.20	78.72
1904...	4.67	3.42	3.76	1.52	3.44	3.82	3.80	7.04	2.57	2.49	1.88	2.66	41.07
1905...	4.34	2.01	6.86	3.75	0.70	6.42	14.70	7.47	4.94	5.75	2.59	5.11	64.64
1906...	2.92	1.68	7.18	5.13	2.32	6.67	4.60	10.60	2.08	6.52	1.72	7.04	58.46
1907...	4.28	2.39	2.02	2.92	4.59	6.66	7.83	4.66	*7.60	1.85	7.31	4.83	56.94
1908...	2.44	4.42	3.41	1.81	15.32	1.31	6.58	3.81	1.98	2.10	0.70	1.48	45.36
M'ns..	3.41	4.19	4.88	3.73	5.60	4.82	5.32	5.40	4.26	3.89	3.52	4.41	53.61

* From Fenby, Md., about three miles south of Bachman's Valley.

BAYARD, Grant Co. W. VA. Elevation, 2,500 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902...	......	......	......	......	2.75	3.75	4.00	2.00	3.00	2.58	2.76	6.21	......
1903...	4.38	6.10	4.20	3.47	3.83	6.13	4.56	2.84	1.71	2.59	1.88	2.26	44.25
1904...	3.25	2.74	4.04	3.18	3.80	4.84	4.17	1.71	1.77	2.35	0.88	3.95	36.68
1905...	3.38	3.02	4.64	3.02	4.09	3.42	7.38	4.54	1.80	4.08	2.83	2.94	45.14
1906...	3.85	2.37	6.95	4.98	2.57	3.95	2.95	6.56	3.77	3.63	2.23	7.51	51.32
1907...	9.42	4.17	6.45	3.60	4.42	7.11	7.55	4.60	4.75	3.82	4.82	4.11	64.82
1908...	4.71	5.07	6.08	5.26	9.85	2.68	5.73	2.77	0.47	1.34	0.96	3.65	48.57
M'ns.	4.83	3.90	5.39	3.92	4.47	4.55	5.19	3.57	2.47	2.96	2.34	4.38	47.97

BURLINGTON, Mineral Co., W. Va. Elevation, 875 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894...	1.20	3.30	T.	2.55	3.35	3.26	1.82	2.52	4.15	2.70	0.25	2.65	27.75
1895...	2.40	1.07	3.95	1.40	1.25	4.84	......	......	......	......	......	......	......
1896...	1.60	4.08	3.60	2.05	3.28	5.41	7.82	2.69	5.85	0.95	3.60	1.29	42.22
1897...	1.21	6.43	1.43	2.03	5.06	1.31	4.16	1.69	1.67	0.85	3.84	3.27	32.95
1898...	3.87	1.45	5.09	3.73	4.78	0.66	1.92	8.21	1.52	5.05	1.95	2.55	40.78
1899...	3.25	4.30	4.50	**1.25**	6.94	3.72	2.18	1.06	4.41	2.32	1.10	1.55	**36.58**
1900...	0.82	2.99	3.31	0.85	1.45	3.63	4.16	1.03	1.94	1.55	4.09	1.85	27.67
1901...	1.95	0.25	4.40	5.46	6.97	5.62	1.25	6.99	2.40	0.15	2.30	5.80	41.54
1902...	2.50	4.55	2.40	2.95	1.80	4.71	1.65	3.02	2.47	2.85	2.68	3.87	37.45
1903...	3.35	3.42	2.85	3.50	2.62	3.86	3.94	**4.17**	1.88	2.32	0.83	0.86	**33.60**
1904...	2.40	1.95	2.03	1.45	3.41	2.21	3.70	2.22	2.35	1.44	0.68	2.68	26.52
1905...	2.45	0.90	3.90	1.83	4.54	4.68	10.64	5.10	1.95	3.65	1.10	3.75	44.49
1906...	2.27	1.00	5.55	1.50	1.22	6.13	2.40	6.68	2.09	1.93	1.20	4.32	36.29
1907...	3.40	1.90	2.70	1.89	3.56	5.46	3.11	2.68	5.96	0.60	3.48	2.90	37.64
1908...	2.60	2.90	5.30	1.75	11.45	2.55	4.72	3.11	0.75	0.83	1.00	2.05	39.01
M'ns..	2.35	2.70	3.40	2.28	4.11	3.87	3.82	3.66	2.81	1.94	2.01	2.81	35.76

CHEWSVILLE, Washington Co., Md. Elevation, 530 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1898...	......	......	......	......	......	......	1.81	6.23	0.72	5.85	3.11	3.74	......
1899...	2.00	4.30	4.28	0.95	5.08	4.19	1.10	3.85	4.68	1.63	2.46	2.26	36.78
1900...	2.34	3.82	2.71	1.38	2.52	4.52	4.34	3.00	2.25	1.37	3.07	1.59	32.91

CHEWSVILLE, Washington Co., Md. Elevation, 530 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901...	2.16	0.63	3.92	5.73	5.71	4.43	3.77	4.33	2.51	0.89	2.36	5.83	42.27
1902...	3.30	4.44	3.96	2.54	1.26	4.28	3.09	0.91	1.64	3.73	2.45	3.98	35.63
1903...	3.95	2.74	3.23	3.73	4.28	6.70	6.55	4.19	1.68	3.25	1.16	0.41	44.20
1904...	1.79	0.34	1.61	1.36	2.68	5.47	4.56	3.32	3.55*	2.67	1.05	1.69	30.39
1905...	3.24	1.41	0.99	2.10	2.43	6.65	6.54	4.23	1.37	3.96	1.73	2.59	37.24
1906...	1.65	1.55	2.75	1.94	3.81	6.29	2.42	4.52	1.41	4.86	0.73	3.84	39.10
1907...	3.33	1.71	2.94	1.44	3.40	4.16	4.18	4.44	5.92	1.82	3.79	4.14	41.27
1908...	3.25	3.35	3.47	2.51	7.12	2.24	4.57	1.98	1.56	2.44	0.85	1.25	34.59
M'ns..	2.70	2.43	2.99	2.37	3.83	4.89	4.11	3.75	2.51	2.95	2.07	2.85	37.14

COLLEGE PARK, Prince George Co., Md. Elevation, 170 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889...	3.68	2.36	4.47	9.20	8.47	6.80	8.73	1.78	3.58	4.60	5.85	0.26	59.78
1890...	1.42	3.97	3.30	2.34	4.48	1.25	2.42	4.83	3.52	4.31	0.09	3.70	36.29
1891...	5.21	4.06	7.94	2.66	4.52	4.01	8.95	3.22	2.58	2.47	1.47	2.86	50.55
1892...	4.94	2.56	5.25	4.17	4.47	4.24	4.31	0.46	3.82	0.40	3.00	2.75	40.49
1893...	2.43	3.78	1.31	2.83	4.51	2.68	2.74	1.99	2.58	4.62	4.31	2.45	36.23
1894...	2.06	3.80	1.27	3.16	3.90	1.81	2.80	3.56	1.05	3.41	1.60	3.80	33.00
1895...	3.79	0.70	2.73	5.84	3.16	5.50	2.27	2.57	1.81	1.89	1.96	2.32	34.54
1896...	1.51	5.51	4.61	1.29	2.54	2.00	3.23	1.91	4.15	0.28	0.44	2.50	30.27
1897...	1.76	6.11	2.91	3.35	7.45	3.49	5.29	3.02	1.78	4.00	3.98	3.30	46.44
1898...	3.57	1.36	2.23	2.24	3.38	0.35	2.11	6.06	0.50	3.33	4.18	4.41	34.10
1899...	3.57	8.00	5.90	1.71	4.22	2.51	5.00	......	5.45	1.35	2.95	1.62	......
1900...	1.71	5.69	1.57	1.82	3.39	7.15	2.08	2.09	5.59	1.02	2.42	2.40	37.53
1901...	1.75	0.90	3.53	6.40	4.17	6.72	5.74	4.93	3.09	1.47	2.78	6.70	48.78
1902...	3.72	4.45	3.54	2.25	2.70	4.10	6.21	3.48	7.39	5.78	3.95	5.21	52.78
1903...	3.75	4.34	5.54	4.37	3.10	5.27	6.55	3.51	0.01	4.04	*0.96	*2.33	44.39
1904...	*2.20	**1.54**	2.32	*2.57	1.79	6.28	4.07	3.02	*4.75	2.27	*2.32	*3.58	**36.71**
1905...	2.81	*2.55	2.97	2.75	3.14	3.77	6.97	7.86	2.25	2.01	*1.67	......	......
1906...	3.21	2.11	4.35	3.44	1.73	7.56	6.81	9.34	0.50	4.04	1.55	3.38	48.02
1907...	2.10	1.76	2.20	2.25	3.44	5.58	2.84	2.84	8.06	2.02	4.64	3.73	41.55
1908...	2.88	5.08	2.94	1.96	4.27	1.41	*6.56	5.32	5.14	1.76	0.88	2.53	40.73
M'ns..	2.94	3.56	3.55	3.33	3.94	4.12	4.83	3.78	3.47	2.79	2.58	3.17	41.80

* From the Laurel, Md., record, about 10 miles northeast of College Park.

CUMBERLAND, Allegany Co., Md. Elevation, 700 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871...	......	......	......	......	......	......	......	3.20	2.40	6.30	2.25	0.70	......
1872...	0.55	0.70	0.50	1.20	2.80	2.60	2.70	3.00	2.90	4.30	1.30	2.10	24.65
1873...	2.50	2.70	2.90	2.30	4.20	4.40	4.90	3.80	0.40	2.00	1.30	1.10	32.50
1874...	2.40	2.40	1.80	6.50	1.50	1.70	4.00	2.80	2.10	0.80	1.80	1.10	28.90
1875...	1.00	1.20	2.20	1.20	0.30	2.90	4.60	6.10	2.50	1.30	3.80	2.40	29.50
1876...	1.40	1.50	4.00	1.30	1.60	3.30	4.60	0.90	8.20	0.60	1.90	1.30	30.60
1877...	0.80	0.60	3.30	2.20	1.90	2.90	4.60	1.30	2.20	3.70	5.10	0.80	29.40
1878...	3.90	1.50	2.60	2.10	1.70	3.90	2.70	1.70	1.30	3.30	2.30	2.70	29.70
1879...	1.00	1.30	1.40	0.60	1.10	1.90	4.10	4.60	1.00	T.	2.10	3.40	22.50
1880...	2.16	2.76	4.17	2.44	2.34	5.84	2.53	4.62	2.30	2.13	2.43	3.45	37.17
1881...	1.98	3.47	1.74	1.72	1.29	5.22	3.82	0.31	2.09	2.05	1.43	4.50	29.62
1882...	3.95	4.93	4.50	2.53	3.63	2.08	2.05	8.09	8.50	1.31	1.44	1.10	44.31
1883...	1.80	2.80	2.20	2.57	4.73	5.38	4.05	1.40	2.59	2.09	0.87	1.75	32.29
1884...	1.85	3.64	5.14	1.90	5.33	3.33	4.61	1.49	0.93	1.98	0.92	4.25	35.43
1885...	3.80	2.52	1.30	1.79	3.77	0.86	1.01	3.87	0.75	4.14	1.73	1.55	27.09
1886...	2.90	1.83	3.53	2.18	3.62	4.02	2.87	3.25	1.38	0.50	4.15	1.77	32.00
1887...	0.30	4.38	1.57	2.61	5.64	3.87	5.59	1.12	3.68	0.39	0.82	3.00	32.97
1888...	3.85	2.15	3.25	2.56	3.47	3.76	4.34	8.00	2.95	2.60	2.60	1.53	41.00
1889...	3.01	2.07	3.52	3.22	7.02	3.10	2.74	1.52	4.16	2.84	5.34	1.63	40.17
1890...	1.46	4.24	5.18	3.58	7.13	3.07	1.67	7.07	6.77	6.65	1.83	3.77	52.42
1891...	2.93	3.99	7.47	2.02	2.57	7.69	5.17	3.44	2.46	2.21	2.92	3.42	46.29
1892...	3.18	1.72	2.62	3.21	3.31	10.08	1.15	1.90	2.36	0.24	3.16	1.73	34.66
1893...	0.72	3.58	1.00	3.96	4.37	2.12	1.40	3.74	1.97	4.37	2.01	0.80	30.04
1894...	1.22	3.76	1.33	2.41	6.13	1.64	3.23	1.15	1.74	2.25	0.63	2.63	28.12
1895...	3.53	0.98	2.45	1.63	1.52	4.42	2.49	1.81	0.15	1.20	0.34	2.51	23.03
1896...	1.52	3.01	3.59	1.99	5.17	4.67	4.77	1.64	5.77	1.47	3.63	0.94	38.17
1897...	1.80	5.81	2.94	3.00	3.47	1.88	4.41	2.26	1.50	0.81	4.85	3.30	36.03
1898...	4.57	1.15	5.58	2.45	4.21	1.66	1.50	6.17	1.33	6.92	2.34	3.45	41.33
1899...	2.60	5.36	4.51	2.25	4.79	2.85	1.66	1.28	4.26	1.98	2.15	2.09	35.78
1900...	2.05	2.28	2.95	0.64	2.68	4.05	3.23	1.66	1.00	1.89	4.09	1.69	28.21
1901...	1.80	0.54	2.78	4.54	6.31	2.89	2.76	7.29	2.87	0.30	2.12	6.32	40.52
1902...	3.18	2.55	4.69	4.42	1.32	3.12	3.23	1.59	1.38	3.49	1.84	5.09	35.90
1903...	3.96	5.49	2.77	4.11	1.92	6.07	3.02	4.16	2.49	2.62	0.88	0.50	37.99
1904...	3.08	1.23	1.66	2.70	1.33	2.45	1.44	2.34	0.60	0.61	0.55	1.97	19.96
1905...	1.49	0.85	3.83	1.65	1.45	3.07	5.20	3.64	2.39	3.52	1.39	3.17	31.65
1906...	2.88	0.48	3.37	2.03	1.65	5.29	1.64	8.54	1.16	2.77	1.50	5.44	36.75
1907...	3.98	2.10	3.45	2.26	4.60	8.40	3.54	2.74	3.43	1.29	3.69	3.17	42.05
1908...	2.75	3.83	3.94	2.03	7.51	1.75	4.11	2.45	1.41	0.74	0.76	1.67	32.95
M'ns..	2.37	2.58	3.13	2.48	3.45	3.74	3.28	3.32	2.56	2.31	2.22	2.47	33.85

Data prior to July, 1880, taken from the Maryland Geological Survey, Allegany County, page 224. All other data taken from the Reports of the Chief Signal Officer and Chief of Weather Bureau.

EMMITSBURG, Frederick Co., Md. Elevation, 720 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1867...	......	......	......	...	......	......	......	......	1.36	5.39	1.00	3.01	......
1868...	2.72	1.61	2.43	4.16	7.60	4.65	3.05	3.66	7.78	1.97	5.87	2.26	47.76
1869...	4.51	4.12	5.62	2.53	5.37	2.22	2.22	1.22	2.59	6.94	2.93	7.49	47.75
1870...	3.80	3.70	3.38	5.65	5.16	9.60	3.50	3.28	6.61	2.42	1.83	2.06	50.99
1871...	2.82	3.15	6.28	3.96	3.07	2.39	3.90	2.90	1.98	2.90	3.95	1.01	38.31
1872...	0.96	1.07	1.54	1.69	4.96	4.43	3.83	5.70	4.58	3.27	4.15	3.20	39.38

EMMITSBURG, Frederick Co., Md. Elevation, 720 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1873...	3.78	3.87	3.74	4.17	.....	3.18	5.83	7.86	3.18	3.78	2.99	.....	.....
......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1875...	.....	.....	.....	.....	.....	.....	.....	.....	2.40	4.05	3.80	2.76	.....
1876...	0.76	2.45	6.64	2.06	2.83	6.60	2.72	2.48	8.91	1.36	3.94	1.05	41.80
1877...	2.02	1.58	5.04	3.60	1.59	4.02	2.40	2.81	5.11	8.23	9.91	0.47	47.38
1878...	3.22	3.12	4.59	5.39	4.85	5.01	2.72	3.17	2.19	5.91	4.10	5.07	49.34
1879...	1.77	1.63	3.08	2.88	4.26	2.16	1.57	4.39	2.17	0.77	2.43	4.72	33.83
1880...	2.46	2.84	3.68	5.18	2.44	4.29	1.93	3.63	1.97	3.08	5.51	2.28	39.29
1881...	2.76	4.26	5.29	0.90	2.27	7.79	2.09	0.86	.....	8.77	11.00	5.90	.....
1882...	5.62	4.52	4.57	2.39	6.39	2.73	.....	.....	4.83	1.26	1.85	1.74	.....
1883...	3.77	3.98	4.51	4.07	2.44	5.94	.....	.....	3.90	4.44	2.07	3.94	.....
1884...	.....	.....	.....	2.14	7.19	0.40	.....	.....	0.82	1.55	3.08	4.00	.....
1885...	4.78	3.74	1.94	2.80	3.69	2.40	2.10	15.48	0.88	7.72	3.80	3.44	52.77
1886...	5.21	4.52	5.79	.....	.....	.....	.....	.....	.....	.....	2.95	2.89	.....
1887...	2.29	3.86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1888...	.....	1.35	2.75	1.99	2.15	0.11	2.65	1.31	4.85	1.35	3.57	3.30	.....
1889...	4.84	1.24	6.04	4.17	10.20	**5.10**	**9.50**	**2.00**	6.45	3.38	6.63	1.82	**61.37**
1890...	1.96	3.97	4.19	3.13	6.01	2.84	**2.80**	**5.50**	3.49	7.50	0.98	3.60	**45.97**
1891...	4.84	5.33	4.56	4.18	2.45	**5.50**	8.45	4.97	1.85	2.68	2.54	3.91	**51.26**
1892...	5.32	2.53	6.67	2.80	3.17	4.52	5.34	3.39	5.52	0.22	3.23	2.00	44.71
1893...	2.36	4.45	2.42	5.95	4.24	2.49	3.58	.....	2.59	4.43	4.57	1.52	.....
1894...	2.36	3.26	0.65	3.37	9.40	.....	1.29	2.50	4.36	5.00	2.01	2.67	.....
1895...	1.87	.....	1.80	4.09	4.19	4.27	2.98	.....	.....	1.65	1.50	3.24	.....
1896...	0.96	5.16	5.75	1.40	.....	4.00	6.07	1.70	3.16	1.06	4.63	0.56	.....
1897...	2.26	3.53	3.04	2.90	5.97	3.52	7.99	3.23	2.65	2.24	6.15	3.12	46.60
1898...	3.78	1.41	3.68	1.43	4.64	1.95	3.17	8.92	1.17	5.98	3.75	3.04	42.92
1899...	2.45	4.35	4.48	1.44	4.53	3.48	1.95	3.82	5.28	3.02	1.71	2.05	38.56
1900...	1.97	4.91	2.50	1.20	2.00	3.81	4.15	4.45	2.80	3.00	3.50	4.10	38.39
1901...	3.10	0.20	5.40	7.60	6.10	3.20	3.11	3.80	2.11	1.21	3.05	6.39	45.27
1902...	3.14	4.47	5.66	2.97	0.98	4.09	3.02	1.45	3.62	7.42	3.01	5.58	45.41
1903...	4.27	4.75	4.20	6.24	3.86	8.17	4.99	5.21	2.87	2.15	0.71	1.38	48.80
1904...	3.89	1.75	3.58	2.77	3.05	4.56	8.32	3.12	2.50	1.90	1.31	2.23	38.98
1905...	3.84	1.23	3.50	2.21	1.90	5.60	4.28	.....	.....	4.21	1.92	4.51	.....
1906...	2.73	2.11	4.06	3.20	3.08	.....	3.40	7.01	1.06	8.86	1.01	6.17	.....
1907...	3.80	2.25	5.78	4.15	3.88	7.84	5.84	3.94	7.06	1.64	5.31	5.19	56.68
1908...	3.73	7.02	3.50	2.30	11.74	1.21	3.22	3.32	1.96	3.13	0.53	1.76	43.42
M'ns..	3.17	3.22	4.12	3.33	4.50	4.12	3.94	4.10	3.52	3.74	3.47	3.22	45.42

Data prior to 1887 taken from the April 1908 Report of the Maryland and Delaware Section. All other data taken from the Reports of the Chief Signal Officer and Chief of Weather Bureau.

FREDERICK, Frederick Co., Md. Elevation, 275 feet.

1852...	2.19	2.44	3.67	6.15	2.43	3.55	6.53	6.24	2.86	1.85	5.51	4.65	48.07
......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1854...	3.26	5.96	1.19	6.20	3.70	1.20	1.61	0.33	1.99	2.47	3.09	1.89	32.89
1855...	3.05	1.88	2.29	1.13	2.16	5.69	2.32	3.80	5.50	2.10	1.06	3.08	34.06
1856...	4.79	1.16	1.78	2.90	3.09	2.15	2.83	3.74	1.44	1.85	2.44	2.48	30.65
1857...	2.78	0.79	2.29	2.56	7.51	10.73	3.13	2.96	1.27	1.36	1.13	5.76	42.27
1858...	1.87	1.66	1.01	3.41	7.35	5.76	4.44	4.88	5.26	4.10	3.38	4.14	47.26
1859...	5.12	4.75	5.01	5.22	4.07	2.21	1.95	1.30	11.41	1.39	1.52	3.78	47.73
......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861...	3.74	2.43	2.04	4.11	4.37	2.20	3.02	2.33	1.75	1.81	5.02	0.95	33.77
1862...	5.06	2.75	3.82	4.78	1.17	7.57	4.33	0.50	1.76	2.00	1.41	0.72	35.87
1863...	3.77	.....	4.16	5.88	3.90	3.11	.....	.....	.....	.....	.....	.....	.....
......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1865...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.85	.....
1866...	1.75	3.25	1.75	3.25	1.50	6.75	3.00	2.50	6.25	.....	.....	.....	.....
......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1869...	.....	.....	.....	1.58	3.69	.....	.....	.....	.....	.....	1.99	6.31	.....
1870...	3.36	3.42	1.77	5.44	5.05	10.75	.....	.....	.....	.....	.....	.....	.....
1871...	.....	.....	.....	.....	.....	.....	.....	1.10	1.77	2.50	2.68	0.96	.....
1872...	0.57	1.34	0.66	1.21	.....	.....	.....	.....	.....	.....	.....	.....	.....
......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889...	3.87	2.18	5.16	3.41	9.51	3.43	7.60	1.11	4.06	4.51	6.33	0.66	51.83
1890...	1.15	4.02	3.57	3.75	7.01	1.88	3.49	7.45	3.72	5.54	0.76	2.18	44.52
1891...	4.51	3.95	6.31	2.16	2.50	7.19	6.15	3.53	2.17	1.79	1.85	3.49	45.60
1892...	5.48	2.69	5.58	2.36	2.16	2.80	2.20	1.68	5.82	0.19	4.66	2.04	37.66
1893...	1.82	4.06	1.64	4.80	4.78	1.48	1.80	1.93	2.09	3.78	3.06	*0.55	31.79
1894...	*1.19	*2.43	*1.31	3.39	8.63	2.97	2.10	1.54	3.02	4.15	1.60	3.24	35.57
1895...	3.54	1.23	2.49	4.69	3.81	4.77	3.22	1.88	4.87	1.54	1.48	3.61	37.13
1896...	2.09	6.15	4.04	1.27	1.40	3.83	4.67	0.77	3.08	0.80	3.12	0.59	31.81
1897...	1.39	4.77	2.72	2.32	3.71	2.06	7.33	2.25	1.63	1.42	5.01	3.74	38.35
1898...	4.05	1.49	3.40	1.53	5.10	0.74	1.64	6.34	1.37	5.82	3.99	3.46	38.93
1899..	2.72	5.35	4.58	1.43	3.71	3.06	3.21	3.28	3.93	3.12	1.33	2.20	37.92
1900...	2.38	4.62	3.71	1.62	1.55	3.39	3.47	1.96	1.98	2.40	3.37	2.49	32.94
1901...	2.14	0.80	4.34	5.88	4.07	6.04	3.83	5.28	3.36	1.22	2.71	6.81	46.48
1902...	3.52	4.49	4.30	2.54	1.08	4.59	3.75	1.59	3.66	4.87	3.43	5.99	43.81
1903...	4.24	5.00	4.22	4.32	2.65	7.27	5.69	7.83	2.04	2.69	0.72	1.58	48.25
1904...	2.60	1.32	2.93	2.32	3.76	5.88	4.54	3.44	2.28	1.56	1.51	2.92	35.06
1905...	4.09	2.09	3.28	1.60	2.36	5.47	8.05	3.28	2.13	3.91	1.55	4.44	42.25
1906...	2.19	1.35	4.33	4.39	2.45	4.83	5.34	7.73	0.45	5.18	1.14	4.21	43.59
1907...	3.26	2.33	3.25	3.54	3.63	5.97	3.93	4.97	5.04	1.91	4.51	4.06	46.40
1908...	3.22	4.49	2.81	1.82	8.13	1.56	2.90	3.93	2.14	2.16	0.73	2.07	35.96
M'ns..	3.05	3.02	3.19	3.32	4.00	4.40	3.94	3.27	3.23	2.67	2.65	3.09	39.95

* From New Market, Md., record, about seven miles east of Frederick.

GREAT FALLS, Montgomery Co., Md. Elevation, 200 feet.

1888...	3.09	2.96	3.72	1.56	3.07	3.46	3.50	3.98	7.27	2.94	3.85	3.59	42.99
1889...	5.01	2.92	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1891...	.....	.....	.....	.....	.....	.....	7.50	3.32	6.07	1.14	1.98	2.77	.....

GREAT FALLS, Montgomery Co., Md. Elevation, 200 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892...	4.68	1.56	5.58	4.30	3.74	2.10	4.19	0.78	2.04	0.10	3.11	2.94	35.12
1893...	1.84	2.76	1.70	2.69	3.44	1.65	2.10	2.81	2.27	4.29	3.58	2.63	31.76
1894...	1.56	3.28	1.45	2.51	5.77	1.72	2.11	2.10	2.68	4.57	1.69	4.38	33.82
1895...	3.66	0.57	2.86	5.26	3.49	4.89	2.63	1.21	1.74	0.44	2.32	3.06	32.13
1896...	2.23	5.50	3.20	0.49	4.12	3.44	2.95	1.38	3.32	0.43	2.53	0.59	30.18
1897...	1.22	5.71	2.71	2.18	5.42	2.28	5.06	1.82	0.91	2.16	4.07	2.36	35.90
1898...	2.92	1.12	2.94	2.10	3.55	0.53	2.48	5.57	1.33	4.29	2.90	2.86	32.59
1899...	3.81	4.88	4.16	1.58	2.42	1.92	3.31	3.13	4.27	1.28	2.73	1.45	34.94
1900...	2.12	4.56	2.18	2.07	1.75	2.79	3.79	1.77	3.73	1.34	2.35	2.29	30.74
1901...	2.43	0.49	2.95	5.99	3.82	2.47	6.05	5.55	2.49	0.28	2.18	8.06	42.76
1902...	2.80	3.62	3.78	1.94	1.11	2.90	3.26	1.52	7.09	7.82	3.09	5.41	44.34
1903...	4.28	3.10	6.23	4.07	1.89	4.86	4.77	4.51	0.58	4.07	0.56	0.88	39.80
1904...	1.50	1.34	2.87	2.33	1.61	9.94	7.18	1.62	3.58	2.07	1.15	*3.31	38.50
1905...	3.45	2.45	2.43	2.04	3.30	4.06	10.21	3.03	1.77	2.71	0.38	*5.39	41.22
1906...	*3.11	*2.14	5.37	3.91	2.37	4.33	4.10	8.89	0.29	8.47	1.84	2.63	47.45
1907...	1.95	2.50	2.53	4.25	1.59	4.28	1.69	5.39	7.40	2.00	4.25	3.50	41.33
1908...	4.06	4.17	3.11	1.27	6.55	2.40	5.43	7.11	1.95	2.22	0.87	3.24	42.38
M'ns..	2.93	2.93	3.32	2.81	3.28	3.33	4.33	3.45	3.20	2.77	2.39	3.23	37.66

* From Washington, D. C.

GREEN SPRING FURNACE, Washington Co., Md. Elevation, 450 feet.

1872...	1.46	1.40	1.65	2.50	2.65	2.70	3.45	5.85	4.55	4.85	2.35	1.90	35.31
1873...	2.35	3.26	2.30	2.65	5.00	4.00	4.00	6.90	2.10	3.00	3.50	.....	.....
......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1895...	.....	.....	.....	.....	2.55	2.77	2.18	2.22	2.07	1.49	1.54	2.02	.....
1896...	2.54	3.65	2.36	1.68	1.64	4.40	4.83	0.87	5.02	0.98	2.85	0.57	31.39
1897...	1.96	4.78	2.94	2.19	5.20	1.85	4.73	3.91	2.08	0.97	4.75	2.86	38.22
1898...	3.44	1.25	3.95	1.34	4.98	0.76	3.42	6.27	1.15	5.99	2.59	3.93	39.07
1899...	3.31	5.13	4.11	1.22	5.75	4.17	1.31	3.28	3.08	1.70	1.87	2.15	37.08
1900...	2.04	*4.17	3.81	1.76	3.04	3.08	3.31	2.66	2.16	1.44	3.52	1.80	32.79
1901...	1.63	0.60	3.71	6.29	7.63	3.15	4.48	7.42	2.38	0.77	3.13	5.29	46.48
1902...	3.72	3.86	4.04	2.84	1.47	3.82	2.69	1.35	1.48	3.68	2.52	5.67	37.14
1903...	3.85	3.94	3.00	4.13	1.18	7.06	6.68	3.55	2.62	2.23	1.15	1.31	40.70
1904...	2.19	1.20	2.34	2.17	2.88	4.93	4.56	2.80	3.30	2.33	0.69	2.61	32.00
1905...	3.54	1.75	2.82	1.18	2.52	4.12	6.83	4.27	2.08	3.67	1.64	3.33	37.75
1906...	2.61	0.87	3.96	2.48	4.03	8.77	4.23	9.25	0.31	6.00	0.71	3.84	47.06
1907...	4.09	2.25	4.29	3.16	4.00	5.36	5.96	4.83	4.27	1.03	4.14	4.43	47.81
1908...	2.60	4.80	3.51	2.10	5.59	2.67	2.40	3.39	2.13	1.77	0.78	1.66	33.40
M'ns..	2.76	2.86	3.25	2.51	3.76	3.98	4.07	4.30	2.55	2.62	2.36	2.89	38.30

* From Clear Spring, Md., record.

HARPERS FERRY, Jefferson Co., W. VA. Elevation, 260 feet.

1889...	.....	.....	.....	.....	.....	.....	3.27	1.36	5.94	3.87	5.29	0.35	.....
1890...	0.50	3.09	2.87	2.40	4.56	2.15	2.32	5.54	3.97	5.35	0.69	3.16	36.60
1891...	2.01	2.09	5.52	1.64	2.38	3.40	5.08	3.48	0.38	1.55	1.97	2.33	31.83
1892..	3.90	1.30	5.15	2.65	3.06	5.56	1.89	2.01	3.31	0.00	3.50	1.60	33.93
1893...	1.37	2.20	0.62	4.08	4.57	2.28	2.84	3.36	2.17	4.95	1.89	0.32	30.65
1894...	0.78	3.33	1.11	3.39	7.85	3.13	1.56	0.65	2.70	3.00	0.51	2.31	30.32
1895...	4.33	1.40	1.43	2.83	4.67	4.35	2.00	2.12	1.18	0.16	2.50	2.83	29.80
1896...	1.94	4.19	2.48	1.64	4.60	5.25	5.08	0.88	4.29	0.88	2.06	1.04	34.33
1897...	1.44	5.76	3.12	2.14	5.67	3.20	4.12	4.50	1.57	2.27	5.56	3.90	43.25
1898...	4.15	1.49	4.36	1.87	6.51	1.08	2.12	5.64	1.47	8.50	3.60	3.69	44.48
1899...	3.25	4.80	4.48	1.06	3.96	2.51	2.76	5.69	3.97	1.51	3.06	2.88	39.93
1900...	2.43	4.68	3.56	1.62	2.41	3.58	4.61	2.29	2.48	1.38	3.62	2.32	34.98
1901...	2.25	0.51	5.27	7.96	7.81	3.44	4.85	5.00	6.40	0.60	3.70	6.96	54.75
1902...	3.20	2.20	6.14	2.10	1.50	2.00	5.60	0.60	1.95	5.54	2.91	5.45	39.19
1903...	3.41	3.45	5.24	4.95	2.52	5.08	4.87	4.82	2.23	3.27	0.79	0.69	41.32
1904...	2.21	1.42	2.29	2.25	3.44	5.95	4.92	1.47	2.33	1.55	1.31	2.58	31.72
1905...	4.89	2.18	2.42	1.49	1.86	6.03	5.46	4.17	2.88	2.87	0.78	3.76	38.79
1906...	2.51	1.58	3.27	3.26	1.75	4.68	4.86	6.74	0.57	8.15	0.35	3.19	40.91
1907...	3.05	2.54	2.26	4.54	3.20	5.61	1.99	3.70	4.91	0.54	4.28	2.60	39.22
1908...	3.77	3.77	1.23	1.13	6.11	2.60	3.04	5.03	1.74	2.90	0.84	1.06	33.22
M'ns..	2.70	2.74	3.31	2.79	4.13	3.78	3.66	3.45	2.82	2.94	2.46	2.65	37.43

LINCOLN, Loudoun Co., Va. Elevation, 500 feet.

1901...	1.70	0.27	3.07	7.55	5.10	2.62	5.12	3.73	3.04	0.68	2.63	6.23	41.74
1902...	2.42	4.33	3.46	3.80	1.44	2.49	1.92	1.57	4.33	4.18	3.66	4.17	37.77
1903...	3.73	3.95	3.95	3.38	2.01	12.27	4.98	7.06	1.64	3.96	0.87	1.62	49.42
1904...	1.87	**1.26**	**2.60**	2.52	3.75	11.40	5.44	3.07	1.84	1.84	1.94	2.04	**30.46**
1905...	3.17	2.13	2.60	2.99	2.70	6.95	4.76	3.28	2.75	2.81	1.17	4.44	39.75
1906...	2.56	1.57	5.40	3.35	3.55	7.23	2.66	11.85	1.59	7.73	1.74	3.84	53.07
1907...	3.36	2.06	2.90	4.93	2.92	6.59	3.38	4.47	8.10	1.05	4.17	4.04	47.97
1908...	3.66	3.87	2.60	2.28	6.92	3.25	5.92	7.02	1.76	2.31	0.69	2.17	42.25
M'ns..	2.81	2.43	3.31	3.85	3.55	6.60	4.24	5.26	3.16	3.07	2.11	3.57	43.96

MARTINSBURG, Berkeley Co., W. VA. Elevation, 435 feet.

1891...	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.91	2.24	2.22	.....
1892...	3.81	1.35	5.15	3.14	2.42	3.51	2.50	1.40	1.43	0.21	2.06	2.49	29.47
1893...	1.96	2.64	1.32	4.28	5.22	1.83	5.95	3.50	2.81	4.75	2.98	0.87	38.11
1894...	0.87	2.52	1.26	2.97	9.40	2.85	2.21	1.11	2.42	3.85	1.02	3.18	33.66
1895...	2.45	1.29	2.25	3.93	3.26	3.07	2.78	2.25	1.77	1.38	1.50	3.05	28.98
1896...	1.60	2.97	2.58	1.30	1.26	7.54	5.64	1.03	3.50	1.13	2.48	0.75	31.78
1897...	1.05	4.90	2.63	2.20	5.00	3.18	2.85	2.78	1.80	1.15	4.70	3.10	35.34
1898...	3.15	1.29	3.35	1.87	4.51	1.42	3.20	7.00	1.31	5.09	2.91	3.50	38.60

MARTINSBURG, Berkley Co., W. Va. Elevation, 435 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899...	2.05	4.35	4.15	1.30	5.15	3.32	1.15	3.01	3.48	1.95	2.15	1.70	33.76
1900...	1.76	4.54	2.95	1.60	0.35	3.63	3.52	2.60	3.80	1.15	3.00	1.75	30.65
1901...	1.65	0.25	3.08	6.75	8.35	5.69	5.60	7.37	2.10	0.55	3.72	5.25	50.36
1902...	3.25	3.20	5.75	3.72	1.56	3.22	4.52	2.16	2.60	4.55	3.55	3.25	41.33
1903...	2.95	3.15	3.35	4.55	3.90	5.40	5.90	4.05	2.17	2.63	0.85	1.25	40.15
1904...	2.05	1.05	2.18	2.58	5.48	4.60	5.61	1.65	4.00	2.45	1.05	2.35	35.05
1905...	3.70	0.85	2.95	1.52	1.90	6.05	9.30	3.25	1.90	3.35	1.85	2.98	39.60
1906...	2.60	1.20	4.25	2.35	1.00	7.00	3.50	9.50	0.70	4.30	0.85	3.90	41.15
1907...	3.00	1.90	3.90	3.32	3.75	5.37	5.41	4.50	6.25	1.30	3.88	3.60	46.18
1908...	1.00	2.80	3.10	1.60	5.25	2.69	3.24	4.70	1.88	1.73	0.80	1.12	29.91
M'ns..	2.29	2.37	3.19	2.88	3.99	4.14	4.29	3.64	2.58	2.47	2.31	2.57	36.72

MOOREFIELD, Hardy Co., W. Va. Elevation, 900 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891...	......	......	......	......	......	......	......	......	......	......	......	1.55	......
1892...	1.53	1.72	1.91	2.44	2.82	3.73	3.64	......	......	......	......	......	......
......	....	....	......	......	......	......	......	......	......	......	......	......	......
1894...	......	......	......	......	......	4.36	......	......	......	......	......	......	......
1895...	......	......	......	......	......	......	......	......	......	......	......	2.58	......
1896...	1.34	2.32	3.27	1.26	2.55	3.41	6.09	2.80	6.43	0.45	2.86	0.60	33.38
1897...	1.15	7.60	1.39	1.91	5.24	1.94	2.97	2.95	1.20	1.16	2.93	2.52	32.96
1898...	3.91	1.05	4.14	2.37	5.63	1.81	3.25	8.07	1.10	5.31	2.30	2.74	41.68
1899...	2.91	4.43	3.01	0.92	4.95	3.57	4.09	3.17	3.64	1.86	0.48	1.30	34.33
1900...	1.49	3.28	1.91	1.42	1.63	4.77	3.05	1.73	1.87	1.81	**4.00**	**1.80**	**28.76**
1901...	**1.70**	0.37	1.94	5.85	7.83	3.25	2.82	6.86	1.46	0.25	2.05	4.97	**39.35**
1902...	1.64	3.88	5.09	3.26	2.28	3.31	2.91	1.72	2.07	**3.00**	2.18	4.80	**36.14**
1903...	2.58	2.58	2.70	3.02	2.30	5.32	3.31	2.84	2.56	3.31	0.73	0.30	31.55
1904...	1.39	1.03	1.38	3.40	3.01	8.29	5.17	2.15	1.77	0.68	0.95	2.70	31.92
1905...	2.05	0.80	1.69	1.10	2.81	6.44	5.67	3.55	1.40	2.69	1.10	1.87	31.57
1906...	2.70	1.00	4.30	3.05	1.50	5.06	1.50	4.98	3.80	2.71	1.00	3.10	34.70
1907...	2.90	1.20	1.05	1.75	2.91	2.56	5.72	3.40	5.85	0.90	2.40	2.35	32.99
1908...	4.30	5.35	2.37	2.05	7.58	1.35	3.50	3.15	1.04	1.21	0.90	1.11	33.91
M'ns..	2.26	2.62	2.58	2.41	3.79	3.94	3.84	3.67	2.63	1.95	1.84	2.29	33.82

NOTE.—Record from December 1895 to October 1903, inclusive, is for Oldfields about 5 miles north of Moorefield.

NOKESVILLE, Fauquier Co., Va. Elevation, 350 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1869...	......	......	......	......	......	......	......	......	......	......	1.80	6.40	.....
1870...	3.30	2.55	5.35	5.25	5.30	7.70	0.60	2.35	9.55	2.10	2.00	2.30	48.35
1871...	3.10	2.40	4.80	2.00	4.50	3.75	2.75	1.15	3.25	3.20	3.25	0.35	34.50
1872...	0.45	1.45	1.50	1.10	1.45	3.70	2.20	5.60	2.75	2.75	2.10	2.85	27.90
1873...	2.80	2.35	2.60	2.60	6.25	0.80	2.60	4.65	1.00	3.55	4.00	0.65	33.85
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1895...	**4.77**	**1.43**	**2.13**	**5.02**	**4.14**	5.44	5.92	0.85	0.84	1.80	1.14	2.37	**35.85**
1896...	2.69	5.11	4.25	1.29	5.41	4.68	3.73	2.63	2.67	0.24	2.47	0.10	35.27
1897...	5.00	6.49	2.99	2.09	4.95	7.19	4.14	3.29	0.80	2.42	4.34	3.33	47.03
1898...	2.79	1.22	2.93	1.56	3.89	1.10	3.06	5.92	1.20	5.48	1.86	2.91	33.92
1899...	3.26	5.65	4.14	1.57	2.06	1.11	1.57	4.89	4.60	2.60	1.28	1.96	34.69
1900...	2.24	3.71	1.36	1.29	1.79	5.92	4.70	0.83	3.28	1.67	2.48	1.80	31.07
1901...	2.23	0.38	**2.86**	5.65	4.07	3.25	5.80	4.81	1.69	0.10	**1.74**	**7.72**	**40.30**
1902...	1.90	6.10	3.25	2.50	1.35	2.23	2.74	1.09	2.95	5.08	3.22	4.44	36.85
1903...	4.27	4.24	6.28	4.12	4.02	3.13	3.30	4.92	1.50	4.27	**1.00**	**1.86**	**42.91**
......	......	......	......	......	......	......	......	......	......	......	......	......	....
1905...	**3.00**	**2.54**	**2.40**	1.19	3.68	2.69	5.16	4.65	3.12	2.85	0.30	**5.83**	**37.41**
1906...	2.10	1.16	4.10	1.33	2.15	6.56	2.75	11.12	2.00	5.93	1.73	2.67	43.60
1907...	2.13	1.65	1.02	4.97	3.04	4.35	3.33	4.08	4.30	1.58	4.14	4.98	39.57
1908...	5.00	4.45	2.05	1.24	3.80	3.39	6.80	5.79	2.53	2.04	0.40	2.64	40.13
M'ns..	3.01	3.11	3.18	2.63	3.64	3.94	3.60	4.04	2.83	2.80	2.18	3.06	38.02

Data from November 1869 to December 1873, inclusive, for Mechanicsville.
Data from June 1895 to October 1903, inclusive, for Manassas.

ROMNEY, Hampshire Co., W. Va. Elevation, 824 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891...	......	......	......	......	......	......	......	......	......	......	2.22	2.09	......
1892...	1.68	1.87	......	3.84	......	4.25	......	......	......	......	1.30	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1897...	1.37	6.03	1.79	1.70	4.66	2.45	3.68	2.06	2.35	0.90	4.56	2.49	34.04
1898...	3.42	1.09	4.13	2.53	4.51	0.97	2.66	6.68	1.36	5.69	2.07	2.69	37.80
1899...	2.12	3.34	3.35	1.08	7.32	3.81	2.59	0.34	3.61	1.66	1.70	1.54	32.46
1900...	1.47	2.31	3.66	1.26	1.08	4.84	3.79	1.07	3.24	1.94	3.65	1.77	30.08
1901...	1.81	0.11	2.51	6.21	6.34	1.64	2.45	6.76	2.10	0.15	2.95	5.65	38.68
1902...	2.65	4.12	4.24	2.70	2.62	3.89	1.98	2.51	1.40	3.47	3.41	3.87	36.86
1903...	3.08	3.49	3.27	3.74	3.86	4.65	5.68	4.01	**2.00**	3.23	0.92	0.40	**38.33**
1904...	1.90	0.52	2.20	1.65	2.38	4.13	**4.00**	**2.20**	2.58	1.59	0.55	2.72	**26.42**
1905...	2.03	**1.00**	2.97	1.35	3.66	4.59	7.20	4.75	1.23	3.35	1.18	1.93	**35.24**
1906...	2.55	1.16	4.19	1.75	1.28	5.40	4.10	7.64	1.91	2.41	0.97	3.34	36.79
1907...	4.34	1.51	2.53	1.42	3.71	4.09	2.38	3.22	6.33	1.20	2.37	2.33	35.43
1908...	4.51	2.87	3.44	2.07	7.28	2.06	5.62	3.12	0.69	1.07	0.90	1.09	34.72
M'ns..	2.53	2.26	3.19	2.41	4.06	3.60	3.84	3.70	2.40	2.22	2.05	2.45	34.71

SHENANDOAH, Page Co., Va. Elevation, 937 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902..	2.46	3.98	3.92	1.67	2.05	2.37	1.23	2.53	2.96	3.49	3.64	2.27	**32.57**
1903...	4.50	2.79	4.05	3.58	2.96	5.25	2.82	3.93	2.24	1.83	0.81	0.78	35.54
1904...	1.37	0.98	2.05	2.64	2.85	4.89	6.38	3.34	1.52	1.63	0.83	1.20	29.68
1905...	1.81	1.57	2.00	2.13	3.55	2.85	4.81	2.78	1.44	2.63	0.64	3.61	29.82

SHENANDOAH, Page Co., Va. Elevation, 937 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1906...	1.72	0.80	3.69	3.76	1.86	6.07	4.64	5.74	1.18	5.42	2.28	2.79	39.95
1907...	1.53	1.47	1.92	3.18	2.59	4.51	4.10	5.16	6.04	0.93	3.83	2.35	37.61
1908...	3.14	3.45	2.01	1.36	5.87	3.81	2.70	4.53	2.19	2.84	0.59	1.93	34.42
M'ns..	2.36	2.15	2.81	2.62	3.10	4.25	3.81	4.00	2.51	2.68	1.80	2.13	34.22

STEPHENS CITY, Frederick Co., Va. Elevation, 710 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1856...	......	.....	1.74	3.61	3.30	3.50	......	......	3.67	2.30	2.01	1.87	.....
1857...	2.75	1.70	1.82	3.03	6.20	6.33	6.75	3.00	2.10	1.36	2.00	5.87	42.91
1858...	0.70	1.90	0.90	3.50	8.40	4.14	3.40	2.10	1.80	3.90	3.86	4.22	38.82
1859...	2.34	2.75	3.59	5.60	1.70	2.75	1.50	3.70	12.20	1.05	1.78	4.04	43.00
1860...	......	2.15	2.00	5.02	6.50	2.20	5.50	8.70	1.30	5.17	5.07	3.05	......
1861...	4.10	1.76	2.45	7.65	......	......	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1892...	......	......	......	......	......	......	....	......	2.52	0.23	4.25	2.79	.....
1893...	1.15	2.87	1.06	3.58	4.69	3.99	2.56	4.03	7.03	4.11	2.25	0.62	37.94
1894...	0.94	4.73	0.87	2.85	8.11	2.57	4.00	1.78	3.91	3.18	1.19	2.95	37.08
1895...	4.53	1.59	3.55	3.68	3.66	5.21	4.49	2.06	1.09	1.13	1.02	3.34	35.35
1896...	2.73	3.68	3.91	1.35	1.43	6.78	5.97	2.14	5.80	0.86	2.92	0.67	38.24
1897...	1.85	6.89	1.70	2.30	4.48	4.16	4.49	3.32	1.43	2.05	3.79	3.87	40.33
1898...	4.12	1.22	4.39	2.13	5.62	1.49	2.27	10.40	0.84	6.03	1.21	3.53	44.15
1899...	1.31	4.91	4.94	0.61	6.65	2.58	2.09	3.50	3.53	2.76	0.86	2.02	35.76
1900...	1.94	4.13	3.52	1.49	2.95	4.51	5.24	1.21	3.36	3.26	3.79	1.98	37.38
1901...	1.79	0.33	4.29	6.04	6.11	4.23	3.82	3.68	4.36	0.22	2.72	5.32	42.91
1902...	......	4.67	4.75	**2.88**	**1.83**	**2.82**	**1.36**	**2.45**	1.69	3.37	**3.25**	**3.70**	......
1903...	**3.34**	2.83	3.63	3.97	2.86	7.57	3.29	3.43	2.56	3.09	0.81	1.21	**38.59**
1904...	2.03	1.22	2.23	3.27	4.94	4.08	5.97	0.53	3.47	1.53	1.05	3.77	34.09
1905...	2.70	**2.04**	3.32	1.92	3.35	7.08	5.83	2.91	2.12	3.51	1.11	4.22	**40.11**
1906...	2.48	1.32	5.01	2.31	1.89	8.54	5.08	9.85	1.89	7.35	1.39	3.36	50.47
1907..	2.74	1.54	3.02	3.44	2.84	6.73	2.49	4.09	6.81	1.23	3.61	3.50	42.04
1908...	2.91	2.65	1.94	2.19	3.95	4.04	5.07	4.34	2.07	**2.67**	0.78	1.35	**33.96**
M'ns..	2.46	2.71	2.94	3.28	4.36	4.54	4.06	3.86	3.43	2.90	2.31	3.06	39.91

Data from March 1856 to April 1861, inclusive, for Winchester.

TANEYTOWN, Carroll Co., Md. Elevation, 450 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891...	4.48	4.43	6.29	3.74	2.69	4.96	10.20	4.25	1.91	2.73	2.09	3.86	51.63
1892...	6.07	2.50	5.93	2.96	5.37	3.03	4.54	0.58	2.44	0.00	5.57	1.97	40.96
1893...	2.32	2.60	1.99	5.38	3.66	......	......	......	......	3.25	3.40	1.80	......
1894...	1.74	4.20	0.93	3.85	6.31	1.54	2.99	1.72	7.70	5.35	2.11	3.22	41.66
......	......	......	......	......	......	......	...	......	......	......	......	......	......
1896...	......	.....	......	.....	...	....	4.85	0.59	2.85	1.17	3.20	0.49	......
1897...	1.84	4.47	2.49	3.10	7.34	3.95	7.27	4.46	2.59	1.70	6.04	4.13	49.38
1898...	4.29	1.86	3.73	1.89	5.55	1.22	6.30	8.42	1.98	4.67	3.90	3.36	47.17
1899...	......	5.57	2.98	1.84	3.65	3.80	2.01	3.53	4.86	1.97	1.78	2.43	......
1900...	1.50	4.21	2.91	1.20	1.56	...	2.39	2.80	2.72	1.82	3.38	2.19	....
1901...	2.68	0.91	4.42	3.73	3.19	2.73	7.50	5.90	3.78	0.94	2.14	5.62	43.54
1902...	......	2.97	4.82	2.76	0.73	4.23	2.75	......	3.79	......	......	......	......
......	......	......	....	......	......	......	......	......	....	......	......	......	....
1906...	......	.....	.....	4.18	2.05	3.05	3.34	8.95	1.24	5.09	0.88	4.53	......
1907...	2.96	2.71	3.04	3.02	2.63	6.67	3.63	4.16	5.61	2.27	4.73	4.64	46.07
1908...	3.05	4.65	2.75	1.07	8.24	1.18	6.97	3.83	2.46	1.71	1.06	1.63	38.60
M'ns..	3.09	3.42	3.52	2.98	4.07	3.31	4.98	4.10	3.38	2.51	3.10	3.07	44.88

UPPERTRACT, Pendleton Co., W. Va. Elevation, 1,230 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897...	....	......	......	......	......	......	....	.....	0.09	0.93	......	2.05	......
1898...	3.26	0.64	3.36	3.16	4.20	2.09	4.23	8.83	1.15	5.82	2.16	1.99	40.89
1899...	2.28	4.21	2.40	0.94	3.75	4.04	1.89	3.76	4.68	1.36	1.95	1.60	32.86
1900...	1.50	2.78	3.46	0.75	3.60	**4.17**	2.68	2.48	2.85	2.60	4.42	1.82	**33.11**
1901...	1.58	0.33	2.53	6.55	5.46	4.82	3.48	6.19	2.49	0.18	1.55	5.30	40.46
1902...	2.28	3.50	3.68	2.35	2.23	3.81	2.07	2.87	2.37	2.21	3.19	3.14	33.70
1903...	2.62	2.48	2.96	2.29	3.34	6.02	2.37	4.82	2.52	1.80	0.67	0.51	32.40
1904...	1.70	1.42	1.95	2.31	3.63	3.98	6.00	1.75	1.24	1.14	0.77	2.51	28.40
1905...	2.94	1.63	2.29	1.25	4.45	6.30	5.91	5.18	0.73	3.02	1.03	4.25	38.98
1906...	2.36	0.65	3.45	2.85	1.52	4.02	4.17	7.03	2.02	3.90	1.02	2.95	35.94
1907...	2.51	1.04	2.52	1.42	2.57	7.12	4.87	2.82	5.40	1.01	2.35	3.69	37.32
1908...	3.44	2.85	2.26	0.77	7.48	3.00	5.35	3.75	1.21	1.51	1.10	1.96	34.68
M'ns..	2.41	1.96	2.81	2.24	3.84	4.49	3.91	4.50	2.23	2.12	1.84	2.65	35.00

WESTERNPORT, Allegany Co., Md. Elevation, 1,000 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894...	......	......	......	......	......	......	....	......	......	......	2.15	2.18	......
1895...	2.45	0.75	1.10	1.15	0.70	0.75	1.99	1.08	0.54	1.30	0.70	1.91	14.42
1896...	2.02	2.40	3.32	2.25	3.67	4.77	7.60	1.08	5.46	1.11	2.83	0.67	37.18
1897...	1.88	4.86	2.22	3.07	3.80	1.39	3.01	3.38	1.84	1.20	3.95	1.96	32.56
1898...	4.73	0.76	4.93	3.32	3.97	2.18	4.54	7.60	1.76	5.23	1.93	1.95	42.90
1899...	1.80	3.87	4.29	1.93	6.62	4.53	2.74	1.70	4.05	2.20	1.38	1.73	36.84
1900...	1.34	3.60	2.83	1.47	2.35	4.71	2.61	1.76	0.94	2.02	4.81	2.21	30.65
1901...	2.31	0.29	3.24	5.68	7.37	3.90	2.11	5.59	2.27	0.33	1.76	5.92	40.77
1902...	2.25	3.49	3.89	3.26	2.88	3.36	2.67	1.76	2.37	2.41	2.34	3.07	33.75
1903...	2.73	4.33	3.07	3.27	2.93	6.95	5.73	3.37	1.79	1.58	1.29	0.32	37.36
1904...	1.85	1.13	1.13	2.02	2.91	4.31	4.96	2.20	2.61	1.29	0.29	2.09	26.79
1905...	2.25	0.43	3.26	1.18	2.33	5.28	8.08	2.78	2.60	4.01	0.16	3.04	35.40
1906...	2.53	0.46	2.22	0.38	**2.72**	3.28	2.84	8.41	1.42	1.80	0.65	3.93	**30.64**
1907...	4.46	2.17	5.07	2.10	4.06	6.53	4.71	3.01	5.32	1.50	3.52	2.18	44.03
1908...	2.14	3.82	5.19	2.63	10.94	1.36	5.62	3.30	1.30	1.22	0.98	1.73	40.23
M'ns..	2.48	2.31	3.27	2.41	4.09	3.81	4.23	3.36	2.45	1.94	1.77	2.18	34.58

WOODSTOCK, Shenandoah Co., Va. Elevation. 927 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889...	.....	......	......	......	......	......	......	......	3.07	4.07	4.29	0.46	......
1890...	0.52	4.87	3.99	2.76	5.53	3.73	1.59	3.71	1.76	4.82	0.51	4.45	38.24
1891...	3.35	3.39	6.77	2.56	2.55	7.51	6.05	3.86	1.12	1.41	1.53	2.55	42.65
1892...	3.50	2.09	4.30	2.77	3.13	6.64	2.40	1.41	1.76	0.21	4.22	3.23	35.66
1893...	1.13	2.48	1.27	2.30	4.43	2.85	2.31	4.80	3.99	6.35	2.64	0.62	35.17
1894...	1.17	3.10	0.76	1.95	2.92	......	.....	......	......	......	......	......	......
....	.....	......	......	......	......	....	......	......	......	.....	......	......	.....
1896...	......	.....	......	.....	......	5.44	5.60	2.45	8.47	0.82	3.20	0.35	......
1897...	1.46	7.65	1.81	2.30	5.41	3.37	4.38	2.74	1.38	2.94	2.20	3.72	39.36
1898...	3.30	0.60	3.79	2.75	4.85	1.12	3.56	7.31	0.95	6.23	2.08	2.61	39.15
1899...	2.16	3.99	3.47	1.17	5.71	1.98	2.79	3.17	3.12	2.06	0.88	1.04	31.54
1900...	1.75	3.88	4.23	1.28	1.22	4.23	4.41	2.54	1.70	2.55	2.19	1.30	31.28
1901...	2.45	0.15	3.49	5.57	5.44	6.58	3.50	6.92	4.08	0.28	2.07	3.84	44.37
1902...	2.35	3.35	3.41	2.57	2.01	3.60	0.94	3.26	1.53	3.15	2.44	3.93	32.54
1903...	2.95	2.84	3.65	3.80	3.86	7.21	1.57	3.41	2.45	2.78	0.70	0.76	35.98
1904...	1.98	0.75	1.86	2.58	2.89	4.43	4.55	2.50	1.81	1.10	0.84	2.73	28.02
1905...	3.24	1.77	2.53	1.75	3.65	6.74	4.62	4.10	1.31	3.01	0.99	3.74	37.45
1906...	2.01	0.90	4.81	1.75	2.45	7.12	4.10	5.53	2.31	5.16	1.64	3.23	41.01
1907...	2.43	1.99	1.80	3.41	2.17	4.11	4.17	3.57	5.70	0.90	3.23	2.79	36.27
1908...	3.02	3.43	1.77	1.80	6.17	3.11	4.70	5.92	2.02	2.15	0.86	1.52	36.47
M'ns..	2.28	2.78	3.16	2 53	3.79	4.69	3.60	3.95	2.70	2.78	2.03	2.38	36.67

WASHINGTON, D. C. Elevation, 75 feet..

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1824...	1.50	2.65	1.98	4.30	1.58	4.26	2.45	2.43	2.62	1.23	1.24	2.76	29.00
1825...	1.62	2.27	3.83	3.35	2.37	2.66	1.87	1.35	0.45	1.68	0.24	2.76	24.45
1826...	0.60	2.01	1.68	0.45	0.80	1.87	2.66	2.37	1.60	1.08	2.05	1.62	18.79
1827...	0.48	2.85	1.18	1.97	2.25	1.37	......	......	......	1.02	2.57	2.21	......
1828...	1.88	3.24	3.33	4.06	3.24	1.59	1.91	1.39	1.37	1.04	0.05	0.45	23.55
1829...	6.20	2.00	2.74	3.12	2.49	1.79	7.84	5.23	3.12	1.78	3.81	2.97	43.09
1836...	......	.....	......	......	......	......	......	......	......	......	......	.....	47.27
1837...	......	......	.....	... .	.....	......	......	......	......	.....	......	......	31.80
1838...	......	......	......	.....	.....	.. ...	3.08	0.92	8.29	3.96	3.41	1.70	......
1839...	4.74	2.68	0.94	2.66	3.67	3.96	3.95	6.03	1.86	1.58	4.99	1.27	38.33
1840...	......	2.60	1.90	3.92	2.06	2.66	5.16	3.10	2.13	4.70	1.70	3.50	......
1841...	6.90	1.79	5.66	4.72	2.73	2.09	3.50	4.70	1.81	3.98	2.24	4.99	45.11
1842...	1.73	3.89	1.75	4.84	6.96	3.00	......	......	......	......	... .	......	......
1843...	2.21	1.66	3.15	3.22	5.68	5.02	3.47	5.44	0.26	3.36	6.57	1.57	41.61
1847...	2.01	5.22	2.18	0.31	1.31	2.62	3.03	2.79	4.79	6.84	2.25	2.47	35.82
1848...	1.87	1.04	1.64	0.89	2.64	2.53	5.26	1.44	1.20	2.32	1.27	1.14	23.24
1852...	2.45	2.87	2.53	3.90	1.13	3.76	4.13	8.77	0.85	1.49	5.03	3.59	40.50
1853...	1.19	2.48	2.48	3.90	3.99	1.84	3.37	3.69	3.76	3.86	1.64	1.23	33.43
1854...	3.75	4.95	1.69	5.23	2.55	1.57	1.58	0.63	3.20	1.91	3.59	0.82	31.57
1855...	1.69	1.53	1.51	1.04	1.34	5.51	4.15	2.42	3.13	3.38	1.06	2.98	29.74
1856...	3.79	0.60	1.63	2.54	3.94	5.94	3.58	3.71	1.85	1.80	2.01	2.25	33.64
1857...	1.34	0.52	1.39	2.33	5.60	5.98	4.31	9.13	1.80	2.04	1.35	5.64	41.43
1858...	1.89	1.31	0.95	3.77	6.90	1.58	4.54	4.03	2.74	2.52	3.83	5.52	39.58
1859...	4.20	3.08	3.50	4.50	3.35	4.73	1.52	2.91	5.90	2.35	1.70	4.58	42.32
1860...	2.52	2.12	0.94	3.35	5.78	2.29	2.53	4.73	4.31	3.72	3.10	2.24	37.63
1861...	3.93	1.84	2.36	4.73	3.03	3.82	5.34	7.20	2.37	3.72	4.30	1.00	43.64
1862...	3.00	2.94	4.98	5.18	2.50	4.41	5.48	2.30	1.70	3.02	2.57	0.98	39.06
1863...	4.40	3.47	5.33	5.02	3.15	1.84	7.88	1.06	2.84	4.51	1.96	3.67	45.13
1864..	2.42	0.33	5.38	6.93	4.57	0.80	1.36	4.16	2.51	1.30	3.36	3.16	36.28
1865...	4.23	2.35	5.60	3.93	6.13	5.10	7.52	1.46	3.11	2.08	2.24	5.01	48.76
1866...	3.35	4.95	0.95	3.36	2.52	3.33	7.85	1.98	5.80	10.61	1.71	2.97	49.38
1867...	1.38	5.83	9.17	2.21	5.51	6.31	2.60	11.22	2.20	6.74	1.27	3.38	57.82
1868...	4.10	1.96	2.18	3.03	5.16	5.31	5.27	5.04	5.70	1.97	4.20	3.07	46.99
1869...	4.53	4.36	3.81	2.20	4.77	3.56	2.94	0.79	2.36	7.21	1.96	5.42	43.91
1870...	2.66	2.68	3.98	3.70	4.63	4.34	4.11	2.05	2.00	4.27	1.57	0.46	36.45
1871...	2.20	1.99	5.92	1.54	3.45	4.78	6.10	1.59	2.70	1.50	4.85	1.36	37.98
1872...	0.23	0.93	3.22	1.74	1.43	2.78	0.82	5.72	3.92	4.83	2.75	2.49	30.86
1873...	3.73	4.69	3.03	3.19	5.21	1.63	4.30	6.83	3.48	5.62	3.02	0.97	45.70
1874...	1.89	1.84	2.06	5.65	2.82	3.47	2.34	1.71	7.84	0.29	2.08	2.59	34.58
1875...	1.86	2.65	3.96	2.29	1.01	2.06	3.05	12.93	1.98	1.86	3.95	3.51	41.11
1876...	1.68	3.50	5.52	2.43	3.02	4.59	5.12	4.17	10.81	2.99	2.83	1.30	47.96
1877...	3.73	1.16	3.58	4.87	2.26	5.92	6.50	2.74	4.93	6.50	7.18	3.22	52.59
1878...	4.77	2.54	4.31	3.32	5.27	6.33	8.37	8.89	2.46	5.86	3.03	4.94	60.09
1879...	3.13	1.87	1.74	2.39	1.58	3.29	3.36	7.36	1.56	0.79	1.10	4.66	32.83
1880...	2.51	1.71	5.60	3.81	3.37	3.52	2.25	3.83	3.42	2.31	2.48	4.02	38.83
1881...	5.14	4.01	6.61	2.08	1.86	5.71	1.67	1.07	2.19	3.29	2.45	6.12	42.20
1882...	7.09	5.09	3.75	2.55	5.00	2.33	4.46	4.44	7.84	0.53	1.33	2.38	46.79
1883...	3.15	5.08	3.27	4.09	2.50	8.55	4.73	3.30	4.33	2.63	1.19	2.89	45.71
1884..	5.59	6.84	7.24	1.86	3.09	6.95	7.39	1.01	0.14	1.73	3.42	4.70	49.96
1885...	4.46	4.63	1.53	1.71	2.85	3.30	3.03	6.49	2.15	8.69	3.33	2.67	44.84
1886...	5.01	4.32	6.41	2.71	10.60	6.75	10.63	2.43	1.79	1.20	2.88	3.44	58.17
1887...	2.39	3.42	3.83	3.24	2.50	2.99	3.29	2.34	3.12	1.82	1.83	4.31	35 08
1888...	2.99	3.19	4.53	1.89	4.77	3.53	4 47	3.35	6.82	3.27	2.97	3.27	45.05
1889...	4.05	2.47	4.20	9.13	10.69	5.01	8.13	3.07	3.88	4.48	6.03	0.19	61.33
1890...	1.54	4.20	3.65	2.81	4.73	2.02	3.24	5.50	4.22	5.15	0.79	3.74	41.59
1891...	6.14	4.49	8.84	2.94	3.72	4.61	8.40	4.18	3.12	2.24	1.47	2.80	52.95
1892...	5.84	3.64	5.70	4.52	4.07	2.59	5.04	0.85	3.55	0.34	3.38	2.82	42.34
1893...	1.85	4.25	1.83	3.21	5.41	1.81	1.44	2.32	3.91	4.11	4.30	2.27	36.71
1894...	2.14	4.64	0.98	3.34	4.03	1.24	2.14	2.00	1.53	3.14	1.52	4.15	30.85
1895...	4.42	1.10	2.59	6.26	3.09	4.34	4.50	1.26	1.11	1.94	1.26	2.38	34.25
1896...	2.27	5.31	5.16	1.07	2.26	2.39	3.69	2.65	3.18	0.34	2.54	0.30	31.16
1897...	1.98	6.47	2.66	3.02	6.97	2.60	5.78	3.35	1.54	3.55	3.31	3.35	44.58
1898...	3.54	1.64	2.52	2.36	3.60	1.33	2.86	8.76	0.89	3.54	3.12	3.56	37.72
1899...	4.12	6.17	4.94	1.54	2.53	2.46	6.06	3.77	6.14	2.80	1.81	1.68	44.02
1900...	1.92	5.26	3.07	1.74	4.02	10.94	1.25	2.28	4.61	1.44	2.15	2.52	41.20
1901...	2.92	0.62	2.64	6.34	2.81	4.66	5.17	4.12	1.61	0.97	2.33	7.56	41.75
1902...	3.61	4.72	3.78	2.22	3.35	3.70	2.54	1.85	5.30	6.76	3.46	5.29	46.58
1903...	4.26	5.32	5.73	4.29	2.75	3.60	5.17	4.52	0.74	4.48	0.80	1.89	43.55
1904...	2.62	1.65	3.02	2.98	2.64	5.49	6.25	2.97	5.34	2.35	2.20	3.33	40.84
1905...	3.59	2.55	3.31	2.69	3.22	4.52	9.95	9.75	2.34	2.30	1.03	5.39	50.64
1906...	3.11	2.14	4.62	3.03	1.80	5.89	6.80	14.36	0.60	5.71	1.63	3.23	52.92
1907...	2.54	2.31	2.70	3.61	5.03	4.86	1.55	4.34	7.15	2.12	4.16	4.20	44.66
1908...	3.45	3.98	2.45	1.60	6.10	1.73	3.29	5.14	4.64	1.71	0.60	3.63	38.33
M'ns..	3.13	3.09	3.47	3.27	3.71	3.74	4.34	4.08	3.25	3.12	.2.59	3.01	40.80

Average Monthly Snowfall

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Alexandria, Va.........	10	4.0	7.6	1.6	0.1	T.	....	....	....	....	....	0.3	1.9	15.5
Bachmans Valley, Md...	12	8.2	10.3	6.0	1.0	T.	....	....	....	....	T.	3.1	5.4	34.0
Bayard, W. Va..........	7	19.5	22.9	11.4	5.7	0.2	....	....	....	....	1.5	5.3	13.8	80.3
Burlington, W. Va......	14	7.9	11.0	7.4	2.6	T.	....	....	....	....	T.	2.0	5.9	36.8
Chewsville, Md.........	10	9.3	10.8	5.0	T.	T.	....	....	....	....	T.	2.0	6.0	33.1
College Park, Md.	6	3.9	7.7	3.2	T.	...	....	....	....	....	....	0.6	2.5	17.9
Cumberland, Md.........	5	8.7	12.7	7.8	T.	T.	....	....	....	....	...	3.0	3.4	35.6
Emmitsburg, Md........	12	9.5	11.5	7.0	0.5	....	....	....	....	....	T.	1.4	5.8	35.7
Frederick , Md.........	10	7.8	10.8	4.1	0.4	T.	....	....	....	....	T.	1.2	4.7	29.0
Green Spr. Fur., Md	10	7.0	9.2	7.1	0.2	T.	....	....	....	...	T.	1.4	4.9	29.8
Lincoln, Va.	8	4.5	6.3	3.6	0.2	....	....	....	....	....	....	0.1	3.6	18.3
Martinsburg, W. Va....	16	6.1	9.7	5.7	0.3	....	....	....	....	....	T.	1.0	4.5	27.3
Moorefield, W. Va.......	13	8.5	12.1	7.3	2.3	T.	....	....	....	....	T.	1.7	4.1	36.0
Nokesville, Va.........	11	2.6	8.5	1.7	0.5	T.	....	....	....	....	....	0.6	1.9	15.8
Romney, W. Va.........	12	5.7	9.8	5.3	1.4	T.	....	....	....	....	T.	1.2	3.4	27.3
Shenandoah, Va	7	6.2	7.3	3.3	0.5	T.	....	....	....	....	T.	0.8	4.7	22.8.
Stephens City, Va.......	15	6.9	10.1	5.3	0.5	....	....	....	....	....	T.	0.9	3.6	27.3
Taneytown, Md.........	7	4.7	14.3	7.0	0.2	....	....	....	....	....	....	2.4	2.9	31.5
Upper Tract, W. Va.....	11	7.4	10.6	5.6	1.9	T.	....	....	. .	....	T.	2.2	5.9	33.6
Westernport, Md........	12	10.0	8.9	6.2	2.0	....	....	....	....	....	T.	1.6	4.6	33.3
Woodstock, Va	12	5.8	11.8	5.2	1.0	T.	....	....	....	....	T.	1.0	4.8	29.6
Washington, D. C.......	26	6.0	7.9	4.6	0.4	T.	....	....	....	....	T.	1.0	3.5	23.4

Average number of rainy days with .01 inch or more precipitation.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Alexandria, Va.........	10	10	9	10	8	10	8	10	8	6	6	8	8	101
Bachmans Valley, Md...	15	7	7	9	7	9	8	9	7	5	6	6	7	87
Bayard, W. Va..........	7	14	14	14	15	12	13	14	11	7	10	10	16	150
Burlington, W. Va......	15	5	5	6	5	8	8	8	7	4	3	4	4	67
Chewsville, Md.........	10	8	7	9	9	9	11	11	9	7	6	6	8	100
College Park, Md........	19	8	8	10	8	10	8	8	9	6	6	6	7	94
Cumberland, Md.........	13	7	8	8	8	10	8	9	9	5	6	7	7	92
Emmitsburg Md........	12	9	8	12	9	11	10	10	10	7	7	7	8	108
Frederick, Md...........	12	9	9	11	9	11	11	13	11	6	8	8	10	116
Great Falls, Md..........	9	8	8	10	7	8	10	10	10	6	6	6	8	97
Green Spr. Fur., Md.....	11	9	8	11	9	11	10	10	9	5	6	8	9	105
Lincoln, Va..............	8	7	5	7	7	9	12	10	10	6	6	5	6	90
Martinsburg, W. Va......	17	6	5	7	6	9	8	9	8	5	4	5	6	78
Moorefield, W. Va.	13	6	7	9	7	10	10	10	9	6	5	5	6	90
Nokesville, Va..........	12	5	6	7	5	7	8	8	7	4	5	4	5	71
Romney, W. Va.........	12	7	6	9	7	10	9	9	7	5	6	6	7	88
Shenandoah, Va........	7	6	6	9	7	9	11	10	9	5	5	4	6	87
Stephens City, Va.......	16	6	7	8	7	11	11	10	8	7	6	6	6	93
Taneytown, Md..........	7	8	9	11	10	11	9	12	12	6	9	9	10	116
Upper Tract, W. Va......	11	7	7	8	8	10	12	10	11	7	6	5	6	97
Westernport, Md.......	11	9	7	10	8	11	11	11	10	7	6	6	8	104
Woodstock, Va..........	12	9	8	11	9	13	13	13	13	8	9	8	8	122
Washington, D. C.......	38	12	11	12	11	12	11	12	11	8	9	10	10	129

Monthly Mean Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Accotink, Va...........	....	33.1	37.5	43.4	55.0	65.6	74.2	79.1	76.2	70.5	60.6	46.7	37.6	56.6
Alexandria, Va..... ...	16	33.6	33.8	43.6	53.6	65.3	74.2	78.8	76.9	69.1	56.6	45.8	36.5	55.6
Bachmans Valley........	14	29.3	26.7	39.8	49.4	61.5	69.0	74.2	71.6	65.1	52.9	41.6	31.4	51.0
Bayard, W. Va....	7	26.8	25.1	40.2	45.7	57.4	63.1	67.9	65.8	60.4	48.3	38,0	29.4	47.3
Burlington, W. Va......	15	30.4	28.5	41.5	50.2	61.7	68.5	73.2	71.5	65.0	53.1	42.2	32.6	51.5
Chewsville, Md.	10	30.4	26.8	41.6	50.5	61.4	69.2	74.7	72.4	66.7	54.7	42.4	32.1	51.9
College Park, Md.	16	32.8	31.9	43.5	52.4	62.9	70.7	75.4	73.7	68.2	55.6	44.8	35.9	54.0
Emmitsburg, Md.... ...	29	30.4	31.4	39.6	51.5	61.7	70.3	75.3	72.7	65.5	54.3	42.6	33.1	52.4
Falls Church. Va........	14	34.3	38.1	42.8	53.1	64.7	73.1	77.8	75.1	68.8	59.1	45.5	36.5	55.7
Frederick, Md.	31	32.0	32.5	41.6	52.3	63.4	71.7	76.2	73.7	67.1	55.2	43.9	34.9	53.7
Great Falls, Md.	16	31.1	30.6	42.8	52.6	64.3	72.1	76.1	74.3	68.2	55.4	43.7	34.3	53.8
Green Spr. Fur., Md.	14	30.0	29.1	41.1	51.4	63.2	71.0	75.6	73.7	67.2	53.6	42.1	34.6	52.7
Lincoln, Va.............	8	31.0	28.8	44.5	51.8	63.7	70.2	76.1	73.0	67.5	56.0	44.0	32.7	53.3
Martinsburg, W. Va.	17	30.3	28.7	40.9	50.8	62.8	70.5	75.8	73.0	66.5	54.2	42.6	33.1	52.4
Moorefield, W. Va	13	31.8	30.1	43.9	51.7	63.3	69.0	73.8	72.8	66.3	54.2	42.7	33.7	52.8
Nokesville, Va	16	33.9	32.9	43.5	53.4	64.0	71.3	76.4	74.6	67.8	56.0	44.5	36.0	54.5
Romney, W. Va.........	12	31.2	30.4	43.6	50.9	63.2	70.0	75.5	72.9	66.4	54.8	42.6	32.7	52.8
Stephen City, Va	15	32.2	30.5	43.6	53.1	64.0	71.1	75.8	74.2	68.3	55.8	43.8	34.9	53.9
Upper Tract, W. Va.....	11	30.6	30.1	44.4	50.2	62.1	68.0	72.9	71.5	66.5	55.3	43.6	34.3	52.5
Westernport, Md........	14	29.1	27.5	40.3	50.3	62.0	68.9	73.5	71.6	65.9	52.7	41.6	31.8	51.3
Woodstock, Va..........	12	32.8	30.3	44.9	52.4	64.0	70.2	75.1	73.9	67.6	55.7	44.6	34.6	53.8
Washington, D. C.... ...	33	32.9	34.5	42.2	53.1	64.2	72.7	76.8	74.5	68.1	56.6	45.0	36.1	54.7

Highest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Alexandria, Va.........	10	71	70	84	94	96	102	105	103	99	90	78	68	105
Bachmans Valley, Md. .	15	68	68	85	90	95	100	103	98	95	85	75	66	103
Bayard, W. Va..........	7	69	64	80	83	90	90	90	93	89	82	74	63	93
Burlington, W. Va	15	72	73	88	92	94	96	99	100	100	89	77	72	100
Chewsville, Md..........	9	70	68	88	89	96	97	101	99	101	88	78	65	101
College Park, Md........	20	80	74	91	96	96	100	105	103	101	90	78	76	105
Emmitsburg, Md........	10	70	64	89	90	93	96	102	99	96	88	74	65	102
Frederick, Md..	11	73	72	90	92	94	99	104	100	97	91	80	66	104
Great Falls, Md	11	76	68	91	93	96	99	104	99	97	90	78	68	104
Green Spr. Fur., Md.....	11	75	69	90	93	94	97	106	101	98	89	76	67	106
Lincoln, Va....	8	74	71	92	94	98	100	102	100	95	93	78	70	102
Martinsburg, W. Va.....	17	71	66	90	93	96	99	104	100	98	90	79	70	104
Moorefield, W. Va......	13	77	71	93	93	96	98	100	101	99	95	81	71	101
Nokesville, Va..........	12	75	72	93	95	94	100	103	99	98	90	79	71	103
Romney, W. Va...	12	77	66	94	93	96	97	102	98	100	89	83	72	102
Stephens City, Va.	15	74	78	92	96	97	103	106	101	98	92	80	69	106
Taneytown, Md.........	7	70	63	87	94	96	98	105	101	100	91	77	66	105
Upper Tract, W. Va.....	11	75	74	90	93	93	98	102	98	102	97	80	69	102
Westernport, Md........	11	70	66	89	89	94	100	107	99	97	88	78	67	107
Woodstock, Va..........	12	74	71	93	91	96	98	105	101	98	93	79	71	105
Washington, D. C.......	38	76	78	93	93	96	102	103	101	104	92	80	73	104

Lowest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extremes.
Alexandria, Va.	10	3	-12	12	27	37	43	53	51	40	26	20	3	-12
Bachmans Valley, Md.	15	-11	-23	-3	17	28	36	46	43	31	20	9	-7	-23
Bayard, W. Va	7	-14	-23	-3	10	23	33	38	32	24	12	4	-8	-23
Burlington, W. Va	15	-18	-18	-5	13	26	33	40	38	28	18	0	-7	-18
Chewsville, Md.	9	-18	-20	-7	16	28	30	44	41	31	20	1	-9	-20
College Park, Md	20	-16	-8	5	21	26	38	46	42	30	23	12	-9	-16
Emmitsburg, Md	10	-14	-15	2	21	32	42	50	50	36	26	12	1	-15
Frederick, Md	11	-12	-12	10	22	30	39	49	45	31	23	7	-6	-12
Great Falls, Md.	11	-4	-14	5	22	28	41	48	47	35	22	11	0	-14
Green Spr. Fur., Md.	11	-13	-14	0	17	29	40	47	42	28	21	2	-2	-14
Lincoln, Va.	8	-13	-13	8	17	27	41	47	40	30	19	5	2	-13
Martinsburg, W. Va.	17	-12	-13	-1	21	31	41	49	45	34	23	6	-2	-13
Noorefield, W. Va.	13	-20	-25	-6	12	27.	36	41	40	27	16	2	-8	-25
Nokesville, Va	12	-2	-21	6	20	32	41	51	47	35	24	19	-2	-21
Romney, W. Va.	12	-12	-11	4	18	30	40	43	42	31	20	6	-6	-12
Stephens City, Va.	15	-5	-17	1	17	29	40	49	42	31	22	11	-1	-17
Taneytown, Md.	7	-9	-21	3	20	27	39	35	46	36	23	-1	2	-21
Upper Tract, W. Va.	11	-14	-28	4	9	19	34	40	40	31	17	6	-5	-28
Westernport, Md	11	-8	-13	0	16	24	36	42	40	29	22	9	0	-13
Woodstock, Va.	12	-12	-23	-2	19	31	42	48	45	31	23	5	0	-23
Washington, D. C.	38	-14	-15	4	22	33	43	52	49	36	26	12	-13	-15

Prevailing Wind Direction.

Alexandria, Va.	10	nw.	nw.	se.	nw.	se.	se.	se.	se.	ne.	nw.	nw.	nw.	nw.
Bachmans Valley, Md.	9	nw.	nw.	sw.	nw.	sw.	sw.	sw.	sw.	sw.	sw.	nw.	nw.	sw.
Burlington, W. Va	15	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	nw.	w.	w.
Chewsville, Md.	10	nw.	nw.	nw.	nw.	sw.	s.	sw.	s.	s.	nw.	nw.	w.	nw.
Emmitsburg, Md.	11	sw.	sw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	sw.	nw.	sw.	sw.
Frederick, Md	11	nw.	w.	s	nw.	s.	sw.	sw.	se.	se.	ne.	sw.	sw.	sw.
Great Falls, Md.	10	nw.	nw.	ne.	se.	se.	se.	se.	se.	se.	nw.	nw.	nw.	se.
Green Spr. Fur., Md.	11	w.	w.	w.	w.	w.	w.	w.	w.	e.	e.	w.	w.	w.
Lincoln, Va.	8	nw.	nw.	nw.	nw.	s.	e.	s.	s.	nw.	nw.	nw.	nw.	nw.
Martinsburg, W. Va.	17	nw.	nw.	nw.	nw.	s.	s.	s.	s.	nw.	nw.	nw.	nw.	nw.
Moorefield, W. Va.	13	sw.	nw.	w.	w.	s.	sw.	sw.	sw.	sw.	nw.	sw.	nw.	sw.
Nokesville, Va.	8	nw.	nw.	nw.	nw.	se.	nw.	sw.	sw.	nw.	nw.	nw.	nw.	nw.
Shenandoah, Va.	7	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.
Stephens City, Va.	15	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.
Taneytown, Md.	8	w.	w.	w.	nw.	s.	sw.	w.	nw.	se.	ne.	nw.	nw.	nw.
Woodstock, Va.	12	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.
Washington, D. C.	18	nw.	nw.	nw.	nw.	s.	s.	s.	s.	.s	nw.	nw.	nw.	nw.

Killing Frosts.

Stations.	Length of record.	Average date of first in autumn.	Average. date of last in spring.	Earliest date in autumn.	Latest date in spring.
Alexandria, Va.	10	Oct. 24	April 3	Oct. 8	April 20
Bachmans Valley, Md.	9	Oct. 9	May 3	Sept. 22	May 29
Burlington, W. Va.	......	Oct. 2	May 7	Sept. 15	May 29
Chewsville, Md.	7	Oct. 7	May 7	Sept. 22	June 12
College Park, Md.	5	Oct. 9	April 30	Sept. 23	May 12
Emmitsburg, Md.	7	Nov. 14	April 6	Oct. 26	April 19
Frederick, Md.	6	Oct. 19	April 24	Sept. 23	May 12
Great Falls, Md.	6	Oct. 17	April 30	Oct. 3	May 12
Green Spr. Fur., Md.	11	Oct. 11	April 21	Sept. 23	May 29
Lincoln, Va.	8	Oct. 15	April 25	Oct. 4	May 12
Martinsburg, W. Va.	......	Oct. 14	April 20	Sept. 30	May 22
Moorefield, W. Va.	......	Oct. 4	April 30	Sept. 14	May 22
Nokesville, Va.	12	Oct. 21	April 17	Sept. 24	May 11
Shenandoah, Va.	3	Oct. 9	April 29	Oct. 3	May 11
Stephens City, Va.	14	Oct. 14	April 21	Sept. 23	May 23
Taneytown, Md.	7	Oct. 8	April 28	Sept. 28	May 12
Westernport, Md.	6	Oct. 9	April 30	Sept. 23	May 12
Woodstock, Va.	11	Oct. 7	April 22	Sept. 14	May 21
Washington, D. C.	38	Oct. 21	April 7	Oct. 2	May 11

HYDROGRAPHIC DATA FOR SECTION 94.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY.

By R. H. BOLSTER, *Assistant Engineer.*

PRELIMINARY NOTE: Only the broader facts concerning the rivers are given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington. D. C.

This section is drained by the Potomac river and its tributaries. The Potomac, rising among the Allegheny plateaus and Appalachian ranges, gathers its waters in a main channel which crosses the country in a southeastern course. Its mouth is an estuary and branch of Chesapeake Bay. The city of Washington is situated at the head of tidewater, where the estuary receives the river proper. Its stretch from Washington upstream to Cumberland, a distance of 108 miles in a direct line, and 186 miles by river is the trunk channel. The Shenandoah, Great Cacapon and South Branch are its principal feeders. They enter from the southwest. North Branch is the actual head of the river. The tributaries from the northeast are relatively short, Wills Creek, Conococheague Creek, and Monocacy river, being the principal ones. Although the Potomac watershed is a mountainous region, characterized by ranges of notable height and continuity, it is not limited by the greater elevations. We are apt to think of the basin of a river as an area surrounded by a high or at least obvious divide. The principal streams rise in valleys which extend in undiminished width and without change of the gently undulating slope to beyond the head springs. In their continuation, other springs and brooks gather and flow in a direction opposite to that taken by the Potomac. The parting streams are openings which compete for territory. The arrangement of the streams within its watershed deserves notice. By reference to a map, it will be seen that there is a peculiar parallelism among the many rivers flowing to the northeast or southwest and also a marked tendency to courses which after short distances are at right angles to the general direction. The arrangement is a common one in certain regions and the stream system thus developed is known as trellised drainage from the resemblance which the rivers bear to the stems of a vine or trellis.

The North Branch of the Potomac river drains a country comprising step mountain slopes and narrow valleys, the run-off is rapid, and fluctuations in flow are great. The fall of the stream both above and below Cumberland is large. Facilities for dams are excellent. The tributaries of the North Branch are comparatively small and the fall of many of them is rapid.

The bed of the South Branch of the Potomac is mostly coarse gravel. The banks are of loose sediment and on account of the sudden and local swells to which the river is subject the channel is continually changing. At no places are there falls of any great magnitude. The fall between Petersburg and the mouth is 375 feet in 65.6 miles.

Antietam Creek drains a rolling fertile country with uniform declivity uninterrupted by natural falls or rapids. It is utilized to a considerable extent to run mills of various kinds.

South river rises near Greenville in the southern part of Augusta County, Virginia, and flows eastward and northward to Port Republic, Rockingham County, where it unites with North river to form South Fork of the Shenandoah. It is fed by numerous springs and is used to a considerable extent by small mills.

The South Fork of the Shenandoah river is formed at Port Republic by the union of North and South rivers and flows northeastward to Riverton, Virginia, where it unites with the North Fork to form the Shenandoah. Its length by river course is about 96 miles. The South Fork of the Shenandoah is to a certain extent navigable for small boats, and works have at various times been executed for improving it. The basin is accessible in nearly every part. Theoretically, a large amount of power is available but very little is utilized. The bed and banks are favorable for the construction of dams but space for canals and buildings is small in places. The river is subject to frequent and rapidly rising freshets. The North Fork of the Shenandoah River rises in the north part of Rockingham County and flows in a very tortuous southeastern and northeastern course to Riverton, Virginia, where it unites with the South Fork to form the main Shenandoah. The fall of this stream is rather variable, although the discharge of some of its tributaries, especially in the upper part of the valley, is constant. The mills on North Fork are small and the dams are generally of wood and brush.

The Mononcacy river rises in Adams County, Pa., flows somewhat west of south and enters the Potomac river in the southeastern part of Frederick County, Md. Its length below the confluence of Rock and Marsh creeks is 55 miles. Its drainage area is 940 square miles and it has a number of tributaries on which small mills are located.

The fall of the Potomac below Harpers Ferry is about 245 feet. Of this, about 90 feet occurs in a short distance at Great Falls, and if this be subtracted, the fall in the remaining distance averages about 2.5 feet per mile. As a water-power stream, the principal disadvantage of the Potomac is the great variability of its flow. Good Rock foundations for dams can generally be found at small depth. The banks are as a rule favorable and there are several sites where large falls could be rendered available. Building materials are generally obtainable and facilities for transportation are excellent. A very insignificant amount of power, however, has been developed. There is no artificial or natural storage in this drainage basin although many good sites exist for the construction of storage reservoirs.

Floods have occurred in the Potomac river basin which have caused a great deal of damage, two in particular, causing great losses in the immediate vicinity of Washington. The flood of February 1881 was caused by the gorging effect of an ice jam and although the discharge did not equal that of the freshet of 1877 or 1889, the amount of damage inflicted on shipping, wharf property, and private property was far greater. About 254 acres were flooded in the immediate vicinity of Washington.

On June 2d, 1889, there occurred the greatest freshet in the Potomac river for which there is any authoritative record. The Potomac at Harpers Ferry rose to a height of 34 feet above the low stage. At Chain Bridge it was 43.8 feet above tide level. Great damage was done to private property in the city of Washington, flood waters reaching to the store doors on the north side of Pennsylvania Avenue between 9th and 10th streets. The discharge at Chain Bridge is estimated to have been 470,000 second feet while the maximum discharge of Rock Creek was between 20,000 and 25,000 second feet.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly discharge of Shenandoah River at Millville, W. Va., for period of 1897 to 1906. (Drainage area 3,000 square miles).

Month.	Discharge in second-feet.				
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drain area
January	27,900	820	3,270	1.090	1.26
February	50,000	730	4,550	1.520	1.58
March	77,900	820	5,610	1.870	2.16
April	50,000	1,090	4,920	1.640	1.83
May	45,900	880	3,580	1.190	1.37
June	38,200	690	3,210	1.070	1.19
July	13,900	730	2,040	0.680	0.78
August	50,900	575	2,500	0.833	0.96
September	11,900	510	1,260	0.420	0.47
October	60,800	480	2,180	0.727	0.84
November	9,020	480	1,420	0.473	0.53
December	50,000	510	2,970	0.990	1.14
The year period	77,900	480	3,130	1.040	14.11

Monthly discharge of Potomac River at Point of Rocks, Md., for period of March 1, 1895 to December 31, 1906, except March, April and May, 1896. (Drainage area 9,650 square miles).

Month.	Discharge in second-feet.				
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drain area
January	75,100	1,180	11,300	1.170	1.35
February	203,000	2,280	17,400	1.800	1.87
March	219,000	2,280	23,600	2.450	2.82
April	109,000	3,400	17,800	1.840	2.05
May	95,900	[a]1,540	11,600	1.200	1.38
June	73,900	1,180	8,090	0.838	0.94
July	50,300	1,340	6.050	0.627	0.72
August	111,000	1,340	6,250	0.648	0.75
September	28,000	1,040	2,930	0.304	0.34
October	159,000	900	5,240	0.543	0.63
November	46,300	1,090	3,860	0.400	0.45
December	131,000	1,180	9,210	0.954	1.10
The year period	210,000	900	10,300	1.060	14.40

Monthly discharge of Antietam Creek at Sharpsburg, Md., for period of July 1, 1897 to December 31, 1903; August 1, 1904 to July 31, 1905. (Drainage area 295 miles).

Month.	Discharge in second-feet.				
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drain area
January	[a]2,480	74	366	1.240	1.43
February	6,840	59	476	1.610	1.68
March	3,230	74	607	2.060	2.38
April	3,040	203	520	1.760	1.96
May	2,720	53	341	1.160	1.34
June	945	131	265	0.898	1.00
July	4,110	74	264	0.895	1.03
August	[b]2,520	74	204	0.692	0.80
September	560	74	145	0.492	0.55
October	560	59	140	0.475	0.55
November	437	66	150	0.508	0.57
December	4,020	59	324	1.100	1.27
The year period	6,840	59	317	1.070	14.50

a–January 1 to 23, 1904, ice conditions; no correction made in estimate.
b–August 1 to 25, 1905.

Monthly discharge of Monocacy River at Frederick, Md., for period of Sept. 1, 1895 to December 31, 1906. (Drainage area 660 square miles).

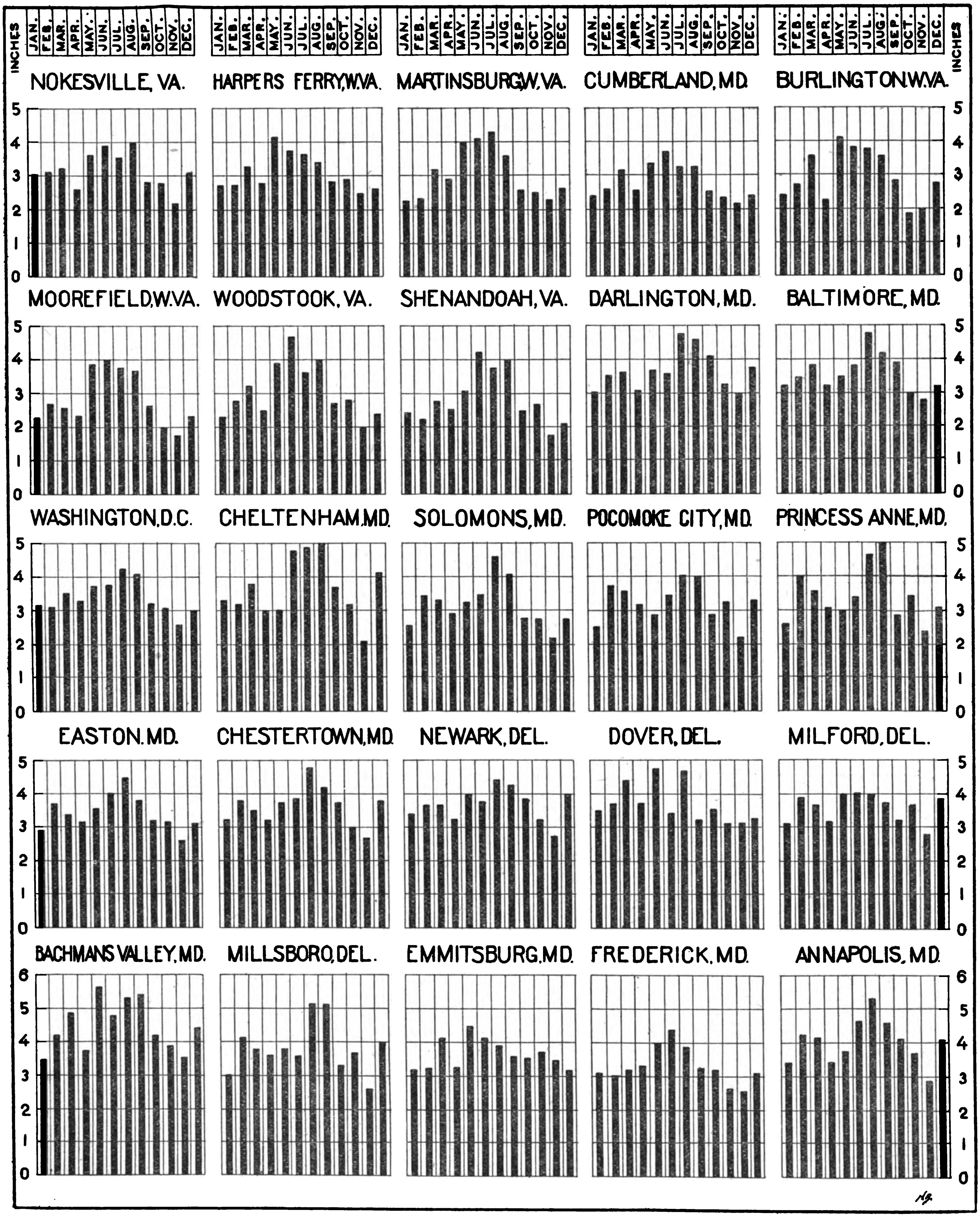
Month.	Discharge in second-feet.				
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drain area
January	13,200	147	1,530	2.320	2.68
February	19,200	226	1,920	2.910	3.03
March	20,500	256	2,570	3.890	4.48
April	16,800	294	1,630	2.470	2.76
May	10,400	170	818	1.240	1.43
June	16,300	144	752	1.140	1.27
July	13,700	69	644	0.976	1.13
August	13,600	49	754	1.140	1.31
September	5,700	55	294	0.445	0.50
October	8,380	80	491	0.744	0.86
November	9,590	85	502	0.761	0.85
December	14,700	120	1,460	2.210	2.55
The year period	20,500	49	1,110	1.690	22.85

Monthly discharge of South Branch of Potomac River at Springfield, W. Va., for period of July 1, 1899 to Dec. 31, 1901; Sept. 1, 1903 to June 30, 1906. (Drainage area 1,460 square miles).

Month.	Discharge in second-feet.				
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drain area
January	12,200	210	1,470	1.010	1.16
February	5,540	315	979	0.671	0.70
March	25,600	400	3,450	2.360	2.72
April	17,400	240	2,720	1.860	2.08
May	9,600	205	1,820	1.250	1.44
June	12,600	210	1,670	1.140	1.27
July	4,650	140	909	0.623	0.72
August	4,120	96	420	0.288	0.33
September	3,490	78	337	0.231	0.20
October	990	78	259	0.177	0.20
November	9,350	278	527	0.361	0.40
December	19,400	78	1,450	0.993	1.14
The year period	25,600	78	1,330	0.914	12.42

Monthly discharge of North Branch of Potomac River at Cumberland, Md., for period of July 1, 1894 to October 31, 1897.

Month.	Discharge in second-feet.		
	Maximum.	Minimum.	Mean.
January	7,900	135	94
February	24,100	350	2,10
March	14,600	235	2,610
April	6,660	135	1,690
May	12,800	135	1,430
June	2,380	0	43
July	22,100	0	690
August	1,650	0	215
September	22,100	0	259
October	6,350	0	21
November	6,350	0	465
December	1,420	0	415
The year period	24,100	0	950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BURLINGTON W.VA.
MOOREFIELD, W.VA.
WOODSTOCK, VA.
SHENANDOAH, VA.
DARLINGTON, MD.
BALTIMORE, MD.
WASHINGTON, D.C.
CHELTENHAM, MD.
SOLOMONS, MD.
POCOMOKE CITY, MD.
PRINCESS ANNE, MD.
EASTON, MD.
CHESTERTOWN, MD.
NEWARK, DEL.
DOVER, DEL.
MILFORD, DEL.
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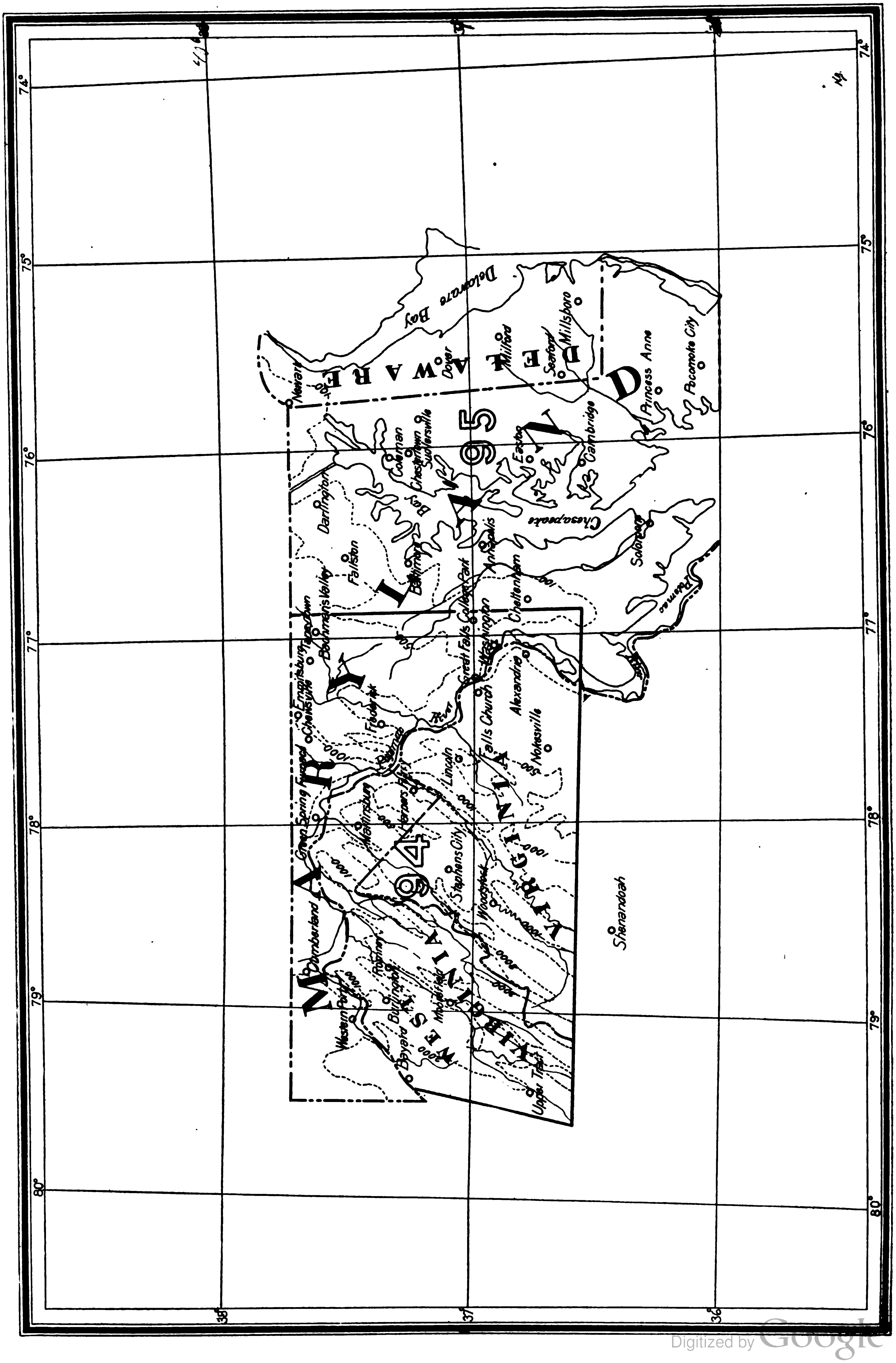

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Chesapeake Bay
Newark
Dover
Milford
Seaford
Millsboro
Princess Anne
Pocomoke City
Cambridge
Easton
Coleman
Chestertown
Sudlersville
Darlington
Fallston
Baltimore
Annapolis
Solomons
Cheltenham
College Park
Washington
Great Falls
Emmitsburg
Taneytown
Chewsville
Bowmans Valley
Frederick
Potomac
River
Falls Church
Alexandria
Nokesville
Lincoln
Harpers Ferry
Martinsburg
Green Spring Furnace
Stephens City
Woodstock
Cumberland
Romney
Burlington
Moorefield
Western Port
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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. Day, Acting Chief of Division.

Section 95.—CHESAPEAKE BAY REGION.

This section embraces the entire State of Delaware and that portion of Maryland east of Parr's Rige or, roughly, a north and south line drawn near or through the District of Columbia, including Chesapeake Bay, and contains within its limits an area of not less than 8,000 square miles of territory. It lies almost wholly within the first of the three divisions of the middle Atlantic coast, known as the Coastal Plain. The extreme north and northwest portions of the section, however, lie beyond the Coastal Plain and within the second of these great divisions, known as the Piedmont Plateau. The extent and chief characteristics of these divisions are generally well known. Briefly, then, the Coastal Plain of the middle Atlantic slope may be described as a continuous belt of coast land beginning in New Jersey as a very narrow strip, and extending southward, constantly widening, until in Georgia it finds its greatest width, something like 150 miles. The Plain rises gradually from the sea with now and then broad level stretches of slight elevation, cut here and there by the streams that flow down from the higher Plateau region. These streams move very sluggishly across the Coastal Plain, draining the land imperfectly and finally empting into tidal estuaries and bays, a great number of which indent the shores, some reaching inland quite to the border of the Plateau region. As a rule the inland boundary of the Coastal Plain marks the head of navigation and if the fact that practically all the great cities of the Atlantic seaboard, Trenton, Philadelphia, Baltimore, Washington, Richmond, Columbia, Augusta, and others that have grown up along this line be noted it becomes a conspicuous example of the essential connection between the physical features of a country and its chief industries and commercial development.

For a detailed description of that portion of the Coastal Plain included in Section 95, we can do no better, perhaps than reproduce the following from the Maryland Geological Survey, Vol. I, pages 145-8, by Dr. Wm. Bullock Clark, State Geologist:-

Coastal Plain.

"The Coastal Plain embraces the eastern portion of Maryland and includes the area between the Atlantic Ocean on the east and a line passing northeast to southwest from Wilmington to Washington through Baltimore upon the west. This region comprises very nearly 5,000 square miles, or somewhat over one-half of the land area of the State, and is about 100 miles broad in its widest part.

The Coastal Plain is formed, for the most part, of level areas of lowland which extend with gradually increasing elevation from the coastal border, where the whole surface stands very nearly at sea level to heights of three hundred feet and more along its western edge. The region is cut quite to the border of the Piedmont Plateau by tidal estuaries, and the topography becomes more and more pronounced in passing inland from the coast. The Chesapeake Bay extends nearly across its full length from south to north, while the larger rivers and their tributaries deeply indent the country in all directions, making the coast-line of Maryland one of the longest in the country. The drainage of the region, except near the margin of the Coastal Plain, and in some of the larger rivers which rise without the area, is consequent upon the present surface of the land, but has been considerably modified by oscillations in level. These oscillations have left the lower courses of the streams submerged, producing the Chesapeake Bay and the other tidal estuaries of the State.

The Coastal Plain in Maryland may be divided into a lower eastern and a higher western division, separated by the Chesapeake Bay. The former is known under the name of Eastern Maryland (or Eastern Shore), while the latter is commonly referred to as Southern Maryland.

The eastern division includes the counties of Worcester, Somerset, Dorchester, Talbot, Caroline, Queen Anne's, Kent. and part of Cecil. To this region most of the State of Delaware properly belongs. Nowhere, except in the extreme north, does the country reach 100 feet in elevation, while most of it is below 25 feet in height. Both on the Atlantic coast and more especially upon the shores of the Chesapeake Bay it is deeply indented by bays and estuaries. The Atlantic coast especially shows very strikingly the result of sand-bar construction and the lagoons and inlets which are formed in consequence of it. The Chincoteague Bay is one of the most characteristic lagoons of this type on the Atlantic coast. The drainage of the region is simple, the streams flowing from the watershed directly to the Atlantic Ocean and Delaware Bay upon the east, and to the Chesapeake Bay upon the west. The position of the watershed along the extreme eastern margin of the area is very striking; in Worcester county for much of the distance it is only a few miles distant from the Atlantic shore, and as a result the streams which flow to the east are small in comparison to those which drain toward the west. Among the most important rivers which reach the Chesapeake Bay from this area are the Pocomoke, Nanticoke, Choptank, and Chester, which all have their headwaters within the State of Delaware and flow in a general southwest direction with sinuous channels.

The western division includes the counties of St. Mary's, Calvert, Charles, Prince George's, Anne Arundel, and portions of Baltimore, Harford and Cecil. In elevation this region stands in striking contrast to the eastern division, since it frequently has an altitude of 100 feet even along its eastern margin. In lower St. Mary's county the land reaches an elevation of 100 feet on the Bay shore, which gradually increases westward, until, near the border of Charles county, it slightly exceeds 180 feet. In southern Calvert county an elevation of 140 feet is found to the west of Cove Point and this gradually increases to the northward and northwestward until near the southern border of Anne Arundel county the land rises above 180 feet. Throughout the western portion of this division in Charles, Prince George's and Anne Arundel counties the land gradually increases in height toward the border, reaching 280 feet to the east of Washington and very nearly the same elevation in the area to the south of Baltimore. Outlying patches of the Coastal Plain, as determined by their geological characteristics, are found with still higher elevations. The western division is traversed by several rivers which flow from the Piedmont Plateau, among the more important being the Potomac, Patuxent, Patapsco, Gunpowder and Susquehanna. The course of the Potomac is especially striking. After flowing in a nearly southeast direction across the hard rocks of the Piedmont Plateau, it is apparently abruptly turned aside by the soft materials of the Coastal Plain, and takes a course for forty miles nearly at right angles to that which it formerly held. It turns again by a long sweep to the southeast and flows in that direction to the Chesapeake Bay. The local drainage, of the western division possesses the characteristics which have already been described for the eastern section, in that the streams throughout Southern Maryland flow chiefly to the westward. For example, the watershed of the country lying between the Chesapeake Bay and the Patuxent river is situated but a slight distance from the shores of the former, so that most of the natural drainage of Calvert county reaches the Patuxent river. A still more striking exhibition of this is seen in St Mary's, Charles, and Prince George's counties, where the streams nearly all flow to the Potomac River, the watershed of the region approaching very close to the valley of the Patuxent. The same peculiarity in the drainage is found to the southward in Virginia and the Carolinas."

In addition to the Coastial Plain region just described, Section 95 includes within its limits that portion of the Piedmont Plateau east of Parr's Ridge. The drainage of this portion of the section is toward the east and southeast; the typography is highly diversified; the rivers have rapid currents and are not navigable; the valleys are variable in form and extent and many of them very rich and fertile; the elevations vary from 400 feet or less along the eastern border to 800 feet or more along Parr's Ridge.

Among the leading agricultural industries of the section may be mentioned haying, market gardening and the raising of fruits and vegetables for the numerous canneries in this region. On the Chesapeake Bay, of course, fishing and oyster dredging are well known and important industries. The Peach crop of Delaware and inland-Maryland is becoming very large and important.

TEMPERATURE.

The general physical features of the section are not favorable for great local climatic difference but rather for great uniformity in the prevailing weather conditions. Hence it is not surprising to find that the range in the average monthly temperatures over the section is small and farily constant, being greatest during the winter and least during the summer months. The range in the average annual temperatures at the various stations is about five degrees, the average for the section being 54.0°. The highest recorded temperature is 105° in July at Annapolis, Md., and the lowest is 15° below zero at Easton, Md., in February, indicating an extreme range for the section of 120 degrees.

PRECIPITATION.

The geographic position of this section as of Section 94 is decidedly favorable for a constant and plentiful supply of moisture for all purposes. Precipitation in an appreciable amount occurs on 102 days out of the year, on the average, and the distribution through the year is remarkably uniform. The average annual precipitation for the section is slightly less than 44 inches, the range in the station averages being about 10 inches. The precipitation is greatest on the average over the central portion of the section, including eastern Anne Arundel county, middle Chesapeake Bay and the upper coast regions of Dorchester county; and is least over the extreme southern portion. There is apparently no material difference in the precipitation along the east as compared with the west coast of Chesapeake Bay. Snow falls every winter in all parts of the section but the amounts vary considerably, ranging as a rule from about 10 inches to 30 inches for the year, the least amount falling, of course, in the extreme southern portion.

KILLING FROSTS.

The first killing frost in the autumn occurs as a rule, after the middle of October, and the last killing frost in the spring usually occurs during the last decade of April.

WILLIAM H. ALEXANDER.
SECTION DIRECTOR.

Precipitation in the Chesapeake Bay Region, including eastern Maryland and Delaware. Monthly, annual and average amounts (in inches and hundredths). (Figures in bold-face type estimated from surrounding stations).

ANNAPOLIS, Anne Arundel Co., Md. Elevation, 45 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1857...	2.97	0.77	1.67	3.68	6.32	8.89	6.19	7.98	1.53	3.43	1.77	6.44	51.64
1858...	1.79	1.09	0.70	4.43	6.75	1.95	1.80	3.17	2.31	3.36	5.03	5.61	38.59
1859...	5.16	3.79	5.72	6.12	4.00	5.76	1.15	3.63	7.40	3.07	2.10	3.49	51.45
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861...	4.29	1.87	3.86	5.73	5.39	4.13	5.97	9.13	4.50	2.89	4.59	1.71	54.06
1862...	5.17	5.01	4.41	6.03	2.82	7.11	7.33	2.20	3.84	2.77	4.65	1.39	52.73
1863...	4.68	5.17	.....	.....	3.55	2.65	5.11	2.03	2.78	2.95	2.09	4.29	.....
1864...	2.01	0.54	7.24	7.18	3.38	1.74	2.06	2.77	3.65	3.20	3.66	4.83	42.26
1865...	4.68	5.14	6.58	2.98	6.34	2.18	8.75	3.86	3.79	4.16	3.66	5.47	57.59
1866..	2.19	5.43	1.16	3.04	4.33	8.11	6.06	3.51	10.63	8.41	3.72	3.94	60.53
1867...	1.32	5.44	10.25	2.16	6.64	6.41	4.44	14.55	1.91	5.52	2.37	2.98	63.99
1868...	4.17	2.39	3.41	3.74	8.14	3.37	2.28	8.39	6.34	1.57	5.49	3.08	52.37
1869...	4.70	5.45	4.36	2.80	5.57	2.89	5.60	1.60	4.04	7.19	3.51	6.15	53.86
1870...	3.23	4.52	3.17	5.17	5.33	4.38	5.41	1.77	2.96	3.50	1.82	1.33	42.59
1871...	3.19	3.83	6.59	1.87	4.02	5.20	7.91	1.06	2.37	3.69	4.27	2.46	47.06
1872...	1.41	1.57	4.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1873...	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.85	3.62	0.85	.....
1874...	....	.....	.....	.....	3.67	2.68	4.05	2.22	5.07	0.09	2.10	3.65	....
1875...	3.39	3.78	4.01	4.56	1.19	4.34	2.43	10.50	2.52	1.56	4.31	2.97	45.56
1876..	1.40	2.87	5.30	2.80	4.95	2.87	.....	.....	.....	....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1894...		.....	.....	.....	.....	.....	.....	0.93	1.53	.....	2.16	.....	.....
1895...	.....	.....	.....	6.63	3.41	2.56	.....	.....	.....	.....	1.87	2.74	.....
1896...	2.70	7.48	4.53	1.25	2.25	3.11	*3.75	*0.91	*3.71	*0.38	2.41	0.77	33.25
1897...	*2.19	4.68	2.46	2.80	6.67	1.73	5.76	4.39	2.17	3.69	4.98	3.48	45.00
1898...	2.37	1.40	1.44	1.11	3.28	0.88	3.17	2.81	1.35	8.13	4.69	*4.35	34.98
1899...	3.83	4.97	5.49	0.98	3.60	2.05	4.66	*5.97	4.25	4.50	2.80	1.60	44.70
1900...	3.00	6.00	4.05	3.40	1.60	6.41	2.00	1.07	6.16	2.35	2.40	3.00	41.44
1901...	3.30	1.50	3.76	7.48	4.27	1.85	6.80	10.40	4.50	1.20	2.41	6.15	53.62

ANNAPOLIS, Anne Arundel Co., Md. Elevation, 45 feet.—Continued.

Year.	January.	February.	March.	*April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902...	3.55	5.75	3.95	3.60	2.42	7.00	2.10	1.45	6.70	6.90	5.40	7.80	56.62
1903...	4.15	6.20	5.60	4.00	3.50	4.95	8.00	6.67	1.05	5.40	1.12	3.40	54.04
1904...	3.70	2.20	3.79	2.40	2.95	6.67	5.98	7.40	6.22	3.30	2.15	3.50	50.26
1905...	4.59	1.98	3.08	4.30	3.58	7.61	9.99	4.13	2.31	2.60	1.06	5.60	50.83
1906...	3.24	2.87	5.78	2.81	1.75	8.17	6.29	8.87	1.18	3.92	2.95	3.80	51.63
1907...	3.75	3.55	3.45	4.12	8.02	7.85	5.09	5.01	10.95	3.43	6.19	5.08	66.49
1908...	4.25	5.39	4.15	3.36	4.97	2.05	9.53	5.96	3.38	3.95	1.01	4.50	52.50
1909...	2.97	5.40	5.82	2.94	5.23	7.07	1.65	3.80	5.45	1.85	2.70	5.40	50.26
M'ns..	3.33	3.83	4.34	3.76	4.39	4.52	5.04	4.78	4.08	3.64	3.18	3.81	50.00

* Data for Jewell, Md.

BALTIMORE, Baltimore Co., Md. Elevation, 90 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1817...	2.25	2.80	4.50	1.50	2.60	9.00	3.50	10.00	3.30	1.80	3.70	3.60	48.55
1818...	0.90	2.00	3.00	2.10	6.45	1.15	4.10	2.00	3.20	3.10	2.00	2.60	32.60
1819...	0.70	1.90	4.55	2.70	4.10	1.30	2.20	4.30	3.00	0.70	1.10	2.20	28.75
1820...	2.80	8.20	3.30	1.10	4.40	4.60	2.20	8.00	1.50	7.80	2.70	1.90	42.50
1821...	3.30	5.40	1.70	2.10	5.10	1.80	7.50	0.30	10.70	3.40	5.60	3.30	50.20
1822...	1.80	4.80	1.30	2.10	1.50	1.50	4.35	0.80	2.25	2.50	5.10	1.20	29.20
1823...	5.60	0.70	7.10	1.80	2.10	1.60	3.60	4.10	5.80	2.80	3.10	6.25	44.55
1824...	2.30	5.90	4.30	4.70	2.95	5.03	3.37	4.50	2.94	1.77	2.27	2.25	42.28
1825...	**0.82**	**2.87**	**4.53**	**0.67**	**1.50**	**3.08**	**1.74**	**3.21**	**2.47**	**0.88**	**1.23**	**3.38**	26.25
1826...	**0.81**	**1.85**	**5.70**	**3.41**	**0.21**	**3.86**	**3.20**	**2.40**	**1.82**	**4.54**	**1.02**	**1.18**	30.68
1827...	**2.03**	**3.13**	**1.13**	**2.47**	**2.29**	**1.00**	**2.56**	**4.05**	**0.83**	**4.00**	**3.95**	**2.05**	32.69
1828...	**1.48**	**2.41**	**3.25**	**3.37**	**3.18**	**2.28**	**4.68**	**1.35**	**4.28**	**0.90**	**5.51**	**0.25**	33.01
1829...	5.50	4.40	9.10	4.40	3.40	8.50	4.64	**3.68**	**1.83**	**1.72**	**3.32**	**1.37**	52.26
1830...	**1.17**	**1.78**	**4.02**	**1.57**	**3.42**	**4.82**	**3.55**	**3.35**	**2.78**	**3.32**	**4.42**	**4.68**	38.97
1831...	**4.38**	**2.13**	**2.87**	**4.61**	**1.01**	**2.68**	**3.04**	**4.04**	**4.82**	**3.48**	**1.65**	**1.00**	37.40
1832...	**3.24**	**2.33**	**1.86**	**2.61**	**4.00**	**1.37**	**2.24**	**4.00**	**1.38**	**2.00**	**2.21**	**4.68**	34.27
1833...	**2.61**	**1.05**	**2.12**	**0.50**	**5.33**	**4.38**	**3.02**	**2.94**	**3.56**	**7.82**	**1.80**	**5.12**	41.28
1834...	**1.77**	**1.83**	**1.82**	**2.47**	**3.21**	**3.32**	**3.86**	**0.56**	**3.33**	**2.51**	**2.55**	**2.11**	29.51
1835...	**1.86**	**1.57**	**3.73**	**3.82**	**1.83**	**5.15**	**5.78**	**1.81**	**2.49**	**0.85**	**2.60**	**2.42**	34.10
1836...	3.94	3.41	1.64	4.23	4.10	9.20	2.35	6.70	3.15	4.00	4.80	7.10	54.62
1837...	2.10	3.10	6.30	2.10	4.20	4.90	4.30	5.10	3.80	3.10	3.40	2.60	45.00
1838...	2.10	2.90	4.50	2.80	4.30	4.70	1.90	9.10	4.50	3.10	2.70	4.50	47.10
1839...	3.50	3.60	4.00	9.10	4.50	4.10	5.60	2.20	1.90	1.60	2.80	8.80	51.70
1840...	2.30	2.30	2.70	4.30	3.90	5.10	1.85	2.35	2.80	4.50	2.15	3.25	37.50
1841...	6.10	1.40	5.95	4.50	2.75	4.35	1.35	4.00	2.30	2.80	3.30	5.10	43.90
1842...	1.80	3.35	2.40	4.30	4.00	2.65	3.70	4.40	1.00	1.40	2.75	3.35	35.10
1843...	1.60	2.20	3.80	2.90	3.55	0.90	5.40	7.82	10.50	1.97	4.25	3.90	48.79
1844...	3.65	1.45	3.00	1.60	4.00	1.70	3.90	0.31	4.47	3.03	1.85	3.50	32.46
1845...	2.40	3.59	1.70	1.49	2.36	2.93	1.26	2.77	1.51	3.73	1.22	3.43	28.39
1846...	2.83	1.82	3.54	2.38	5.77	1.78	6.89	7.20	3.88	1.30	7.17	2.10	46.66
1847...	2.92	3.42	2.38	0.41	1.19	3.36	2.51	2.97	5.55	3.38	2.54	2.38	33.01
1848...	1.58	0.94	2.70	0.81	2.96	4.24	4.42	3.24	1.64	7.35	1.44	3.10	34.42
1849...	1.02	1.15	3.63	0.87	4.18	1.50	2.06	2.55	1.90	6.27	1.06	4.44	30.63
1850...	3.58	2.43	5.90	3.85	3.08	1.66	3.10	4.70	4.70	3.10	4.30	4.40	44.80
1851...	1.70	2.90	5.70	4.70	4.60	1.20	4.20	3.30	0.50	2.20	5.60	1.50	38.10
1852...	2.60	3.60	3.90	7.80	1.70	2.70	5.70	4.60	2.20	2.60	7.90	6.20	51.50
1853...	1.30	3.40	2.70	3.10	4.30	0.60	3.30	4.70	2.40	4.40	3.50	2.30	36.00
1854...	4.40	4.90	4.70	7.20	5.20	4.80	2.60	3.00	4.10	7.10	7.30	3.90	59.20
1855...	2.50	4.00	2.80	0.39	0.91	2.79	2.62	2.50	2.30	3.70	1.20	3.60	29.31
1856...	2.11	0.50	2.47	1.48	1.19	0.92	1.82	4.88	2.83	0.77	1.85	2.05	22.87
1857...	3.50	0.66	2.30	1.84	3.23	7.45	2.47	4.43	1.40	2.80	1.87	6.33	38.37
1858...	1.83	1.61	1.31	4.33	9.08	4.90	3.23	3.37	4.44	2.34	3.97	5.65	46.06
1859...	7.06	5.74	6.26	6.96	2.74	1.16	6.20	3.76	**7.08**	**2.38**	**3.20**	**3.15**	55.64
1860...	**2.28**	**2.42**	**1.32**	**3.35**	**3.48**	**2.44**	**0.77**	**7.25**	**2.68**	**3.46**	**5.05**	**2.80**	37.54
1861...	**3.70**	**1.76**	**3.82**	5.13	4.76	2.38	7.06	3.31	1.80	2.96	5.48	1.36	43.55
1862...	0.60	**4.11**	**3.45**	**3.87**	**2.12**	**5.71**	**2.11**	**0.85**	**3.70**	**3.60**	**3.67**	**1.50**	35.48
1863...	**3.33**	**4.15**	**5.70**	**6.25**	**4.10**	**3.53**	**5.29**	**1.30**	**0.91**	**1.04**	**2.30**	**4.18**	42.97
1864...	0.80	0.14	4.23	3.54	3.39	0.82	0.41	2.36	2.19	**1.33**	2.41	1.40	23.02
1865...	1.19	1.21	2.62	2.82	4.92	**3.83**	1.74	1.90	1.81	2.68	2.50	5.90	33.22
1866...	2.50	4.90	1.40	**2.56**	0.20	**2.50**	**2.15**	**1.82**	4.20	1.55	1.10	2.50	27.48
1867...	0.90	3.80	3.90	**1.56**	**6.63**	2.00	**2.03**	3.52	1.00	2.60	**2.49**	**2.47**	32.90
1868...	**2.58**	**2.21**	**3.28**	1.65	2.80	**3.83**	5.05	1.33	4.48	0.50	3.50	1.66	32.63
1869...	2.42	2.85	3.64	0.50	1.38	1.76	9.30	0.50	3.15	5.08	1.86	3.90	27.34
1870...	2.00	1.50	1.90	3.03	2.52	3.37	0.35	1.68	1.76	3.00	0.28	1.04	22.43
M'ns..	2.52	2.68	3.55	3.06	3.40	3.32	3.34	3.59	3.17	3.06	3.14	3.30	38.13

(U. S. Weather Bureau Record).

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1871...	1.55	1.38	3.03	1.90	2.03	2.82	6.15	3.41	2.22	3.11	3.24	1.90	32.74
1872...	0.88	1.46	3.06	2.96	1.42	4.16	1.58	4.59	5.06	4.08	3.17	2.72	35.14
1873...	4.27	4.74	3.02	2.77	6.31	0.94	2.90	9.49	3.70	6.21	4.05	0.97	49.37
1874...	2.22	3.18	1.41	6.65	1.92	1.11	4.30	3.47	4.83	0.16	2.48	1.90	33.63
1875...	2.51	2.91	4.72	4.27	1.49	2.85	4.78	8.67	3.62	1 44	4.86	3.14	45.26
1876...	1.67	2.96	6.37	1.90	4.94	4.09	5.64	1.76	10.52	2.79	2.74	1.32	46.70
1877...	3.80	1.87	3.60	3.30	2.23	3.53	4.60	0.64	5.27	5.22	6.85	2.23	43.14
1878...	4.51	3.31	4.74	4.19	5.38	4.09	4.66	4.82	0.82	4.41	3.55	5.61	50.09
1879...	2.59	1.55	1.65	3.69	2.74	3.92	3.16	6.71	2.72	0.75	1.30	5.23	36.01
1880...	2.26	1.96	4.82	3.07	1.23	5.48	6.47	4.44	1.78	2.64	2.86	4.89	41.90
1881...	4.84	5.68	7.59	2 00	2.30	7.61	1.40	2.15	2.98	4.06	2.41	5.90	49.12
1882...	5.38	3.73	3.43	2.14	3.42	2.30	4.02	5.10	9.38	0.86	0.65	1.70	42.11
1883...	3.16	4.69	3.68	3.20	1.22	8.08	3.10	2.72	3.49	2.83	1.37	2.98	40.52
1884...	4.81	6.69	6.37	2.65	3.17	2.51	9.43	1.74	0.09	1.42	3.09	3.91	45.88
1885...	3.07	4.40	1.60	1.37	4.50	6.31	2.67	7.78	1.30	6.51	4.04	2.49	46.04
1886...	4.48	5.49	4.85	2.06	7.07	5.64	8.08	3.94	1.90	1.39	4.09	3.12	52.11
1887...	2.57	4.69	3.49	2.44	2.57	4.44	8.32	4.15	2.80	1.06	2.02	5.04	43.59
1888...	3.35	2.83	4.62	2.11	4.22	3.22	2.82	6.17	4.90	2.99	3.04	3.26	43.53
1889...	4.22	2.53	5.71	8.70	6.82	6.17	11.03	1.40	4.59	4.12	6.45	0.61	62.35
1890...	1.80	4.80	4.07	3.94	5.98	2.42	3.61	6.44	4.76	5.73	0.74	2.67	46.96
1891...	4.89	5.52	7.94	2.48	3.11	5.45	7.79	4.24	5.46	2.76	1.33	3.24	54.21
1892...	6.42	2.41	7.20	3.15	6.35	4.87	4.07	1.83	2.36	0.26	3.85	2.28	45.05
1893...	1.78	4.43	1.38	3.52	3.78	2.26	1.88	1.81	1.80	3.44	3.78	2.29	32.15

BALTIMORE, Baltimore Co., Md. Elevation, 90 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894...	1.46	3.53	1.19	3.80	7.26	3.29	1.73	1.41	4.75	3.80	1.98	4.12	38.32
1895...	4.67	0.83	2.94	7.42	3.04	2.83	3.40	2.43	6.01	2.20	1.86	2.84	40.47
1896...	2.62	7.07	4.70	1 44	1.61	3.94	6.32	1.93	4.14	1.11	3.34	0.37	38.59
1897...	2.05	5.13	2.40	3.19	6.88	2.57	6.93	4.71	2.17	3.67	4.39	3.40	47.49
1898...	2.99	1.32	2.58	1.84	3.86	1.06	3.51	6.09	1.56	3.97	4.34	3.34	36.46
1899...	3.50	5.47	4.93	1.89	3.29	2.16	1.64	4.86	7.09	2.09	2.27	1.40	40.59
1900...	2.11	4.65	3.17	2.06	1.00	4.34	1.51	2.91	4.26	1.68	1.81	2.07	31.57
1901...	2.45	0.65	3.58	5.53	3.67	0.90	6.18	6.73	2.50	1.52	2.26	7.07	43.04
1902...	3.05	4.68	3.41	2.90	1.62	4.30	2.45	4.31	7.19	6.85	3.71	5.66	50.13
1903...	3.81	5.43	4.40	3.29	3.33	5.01	7.65	5.88	1.00	3.54	0.73	2.19	46.26
1904...	2.86	1.50	2.88	2.37	1.84	3.27	4.58	1.95	5.90	3.73	1.87	3.34	36.09
1905...	4.69	2.40	3.23	3.07	1.82	4.05	10.65	6.85	2.14	2.04	1.35	4.32	46.61
1906...	3.22	2.21	4.63	3.31	2.73	5.10	7.96	5.80	0.32	5.74	1.74	4.06	46.82
1907...	3.14	1.93	2.94	3.13	2.92	5.22	5.76	4.60	8.52	1.61	5.02	4.30	49.09
1908...	3.49	4.71	2.50	1.09	4.04	1.08	4.34	5.17	2.59	2.59	0.77	3.04	35.41
1909...	2.78	3.25	4.58	2.18	4.59	4.38	1.31	0.86	3.97	1.03	1.15	4.62	34.70
M'ns..	3.23	3.54	3.91	3.15	3.53	3.79	4.83	4.20	3.86	2.96	2.83	3.21	43.06

This table is a record of the total monthly and annual precipitation at Baltimore from 1817 to the close of 1909, including rain and melted snow. From 1817 to 1824 the record is that of Capt. Lewis Brantz; from 1836 to 1870, that of the U. S. Army Medical Department at Fort McHenry; from 1871 to 1909, that of the U. S. Weather Bureau. All bold-face figures are interpolated values based upon the record of the Pennsylvania Hospital, Philadelphia, after applying the proper corrections to reduce the record to the Fort McHenry series. No attempt has been made in this table to reduce the entire record to a single uniform series.

CAMBRIDGE, Dorchester Co., Md. Elevation, 25 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893...	2.71	4.80	3.60	3.47	4.84	2.94	7.12	1.68	2.94	3.61	6.25	4.05	48.01
1894...	3.13	5.70	......	......	......	......	......	......	......	......	......	......	......
1895...	......	......	......	......	......	......	......	......	......	2.76	2.57	1.65	......
1896...	1.19	7.19	3.92	1.07	4.66	......	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1899...	......	......	5.74	1.50	......	4.40	7.15	5.51	......	3.97	......	1.73	......
1900...	......	......	......	2.60	1.65	......	......	......	......	......	......	......	......
1901...	......	......	......	......	......	......	......	......	......	1.50	1.43	5.31	......
1902...	3.30	5.64	3.82	4.18	2.93	7.04	5.99	2.02	4.49	6.14	2.70	5.36	53.61
1903...	4.71	6.56	6.94	3.20	1.81	4.36	4.70	7.15	3.04	5.97	1.83	4.27	54.54
1904...	2.68	3.16	4.24	2.68	2.74	3.14	5.09	0.73	5.10	2.03	2.86	4.29	38.74
1905...	3.26	2.96	2.70	2.87	3.55	2.41	5.96	5.60	3.58	1.30	0.66	4.16	39.01
1906...	2.41	5.06	4.74	2.27	4.65	4.31	5.58	10.62	1.99	5.17	1.96	3.62	52.38
1907...	1.94	2.65	2.87	4.20	7.74	6.03	3.61	2.72	5.25	3.71	6.65	3.56	50.93
1908...	3.34	3.38	2.75	3.89	3.14	3.24	4.87	6.67	2.77	4.07	1.44	5.06	44.62
1909...	3.34	3.43	5.61	3.85	3.39	7.96	2.71	2.66	2.90	1.22	2.27	3.80	43.14
M'ns..	3.12	4.10	4.21	3.39	3.74	4.81	4.81	4.77	3.64	3.70	2.55	4.26	48.12

Only complete consecutive years used in finding the means.

CHELTENHAM, Prince George Co., Md. Elevation, 230 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901...	......	......	......	......	2.50	3.32	5.59	5.22	2.83	1.08	2.63	6.38	......
1902...	4.49	4.92	2.98	2.80	2.06	5.05	5.06	0.97	4.85	7.03	3.28	5.19	48.68
1903...	3.67	4.16	5.59	4.18	2.98	2.95	4.68	5.58	1.52	3.79	1.09	2.25	42.44
1904...	2.32	2.01	3.63	2.70	2.56	4.58	4.31	1.34	4.21	2.20	1.50	4.09	35.45
1905...	3.66	2.53	3.37	2.70	3.46	5.91	6.89	3.92	3.06	1.47	0.61	5.27	42.85
1906...	2.93	2.70	4.83	2.80	2.92	8.81	5.87	7.40	1.25	6.11	2.27	2.73	50.62
1907...	2.38	2.04	2.61	4.50	4.51	6.31	3.95	6.65	7.59	2.79	5.42	3.78	52.53
1908...	3.77	4.08	2.24	1.53	3.13	2.14	6.07	10.61	3.95	3.00	0.98	3.60	45.10
1909...	3.12	3.46	4.61	2.52	2.98	3.90	1.57	3.04	3.84	1.22	1.37	3.73	35.36
M'ns..	3.29	3.24	3.83	2.97	3.01	4.77	4.89	4.97	3.68	3.19	2.13	4.11	44.13

CHESTERTOWN, Kent Co., Md. Elevation, 80 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1855...	......	......	......	......	......	4.10	3.03	9.44	......	4.89	1.65	4.14	......
1856...	2.40	0.87	......	......	......	......	......	......	......	......	......	......	......
1857...	......	......	......	......	......	......	4.28	......	......	......	......	......	......
1858...	1.94	1.72	0.76	3.98	6.86	2.36	1.69	......	2.64	1.54	4.59	1.07	......
1859...	......	......	5.99	......	......	3.12	2.20	......	......	3.13	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1861...	4.15	2.30	3.38	3.80	5.73	4.74	2.85	4.58	4.10	3.01	4.03	1.65	44.32
1862...	4.24	4.24	3.34	6.18	2.04	9.16	3.22	......	......	2.52	3.85	1.25	......
1863...	......	......	......	......	4.09	1.91	5.56	......	......	2.08	1.06	4.34	......
1864...	2.21	0.37	2.51	4.82	3.39	1.37	1.05	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1893...	......	......	......	......	......	......	......	......	......	......	2.40	2.60	......
1894...	2.34	2.55	**1.80**	**4.00**	6.67	1.40	1.97	3.54	3.83	3.28	**2.00**	2.98	36.36
1895...	4.20	1.35	2.17	6.09	3.42	7.86	3.45	**2.08**	**4.12**	2.75	2.22	2.40	42.11
1896...	2.20	6.12	4.91	1.10	3.98	3.73	4.87	2.11	5.37	2.94	1.77	0.86	39.96
1897...	2.40	4.22	2.97	3.58	4.71	5.35	8 43	4.95	1.28	3.39	5.58	**4.00**	50.86
1898...	**3.41**	1.97	2.69	2.77	5.78	1.17	3.05	7.62	3.11	3.74	5.10	5.98	46.39
1899...	3.66	6.39	5.59	1.25	2.81	1.83	4.53	4.80	5.67	2.60	0.71	1.28	41.12
1900...	**2.63**	**5.52**	**3.02**	**2.32**	2.63	5.90	2.37	**2.86**	7.48	1.82	2.13	2.50	41.48
1901...	2.74	1.35	2.67	5.70	3.95	**1.38**	8.48	6.35	2.70	1.06	2.60	7.44	46.42
1902...	3.88	5.76	3.50	3.91	2.21	5.48	4.07	1.48	6.83	6.32	3.88	6.83	54.15
1903...	3.78	5.55	4.71	3.28	1.86	3.12	5.55	4.96	0.98	4.44	1.17	3.47	42.87
1904...	3.34	2.24	3.76	1.99	3.02	5.63	5.38	2.37	3.57	2.27	2.12	3.58	39.27
1905...	4.44	3.26	3.01	3.36	2.15	4.27	10.00	4.01	2.59	1.78	1.62	3.53	44.02
1906...	2.29	2.95	6.11	2.66	2.93	3.78	5.14	8.81	1.46	3.49	2.41	**3.88**	45.91
1907...	2.71	1.80	2.77	4.17	6.72	4.76	4.67	3.73	6.77	3.90	7.31	4.83	54.14

CHESTERTOWN, Kent Co., Md. Elevation, 80 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1908...	3.61	5.42	2.31	2.43	4.75	1.27	2.07	6.17	2.67	3.19	1.19	4.26	39.34
1909...	3.20	3.95	3.63	2.12	3.25	5.23	2.05	1.00	3.11	1.65	2.32	4.19	35.70
M'ns..	3.15	3.33	3.50	3.48	3.95	38.7	4.16	4.49	3.79	2.99	2.83	3.50	43.79

COLEMAN, Kent Co., Md. Elevation, 80 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1898...	......	......	......	......	......	......	5.15	6.34	2.27	5.36	4.49	5.28	......
1899...	4.21	8.85	6.12	1.40	2.28	1.08	3.77	5.78	7.45	2.21	2.28	1.70	47.13
1900...	3.59	5.64	2.63	2.58	3.04	4.65	2.65	2.88	5.15	2.01	1.83	3.22	39.85
1901...	3.31	0.79	3.44	5.44	3.53	1.47	7.42	2.70	2.03	1.60	1.72	5.81	39.26
1902...	2.40	4.22	4.03	3.01	1.55	4.81	3.28	2.16	8.88	0.87	3.89	7.42	50.67
1903...	4.00	5.46	5.05	4.91	1.20	3.09	5.28	6.00	1.35	4.19	0.79	3.76	45.08
1904...	2.64	2.04	3.68	2.15	3.06	3.71	4.53	2.77	6.14	2.76	1.91	3.34	38.73
1905...	3.26	2.46	3.21	4.26	2.85	3.33	7.63	5.03	3.06	1.88	1.39	4.07	42.43
1906...	3.00	2.49	5.05	3.26	4.38	4.99	6.45	6.59	1.68	5.90	2.25	4.19	50.23
1907...	3.19	1.59	3.34	3.14	4.52	6.42	3.54	5.31	7.93	3.15	8.45	5.50	56.08
1908...	3.18	4.86	2.26	2.36	5.85	1.06	2.65	5.41	3.51	2.89	1.17	3.66	38.96
1909...	3.27	3.75	3.93	2.04	3.22	4.12	1.30	0.72	3.52	1.28	1.74	5.47	34.36
M'ns..	3.28	3.84	3.89	3.14	3.23	3.53	4.47	4.30	4.25	3.34	2.66	4.45	43.89

DARLINGTON, Harford Co., Md. Elevation, 300 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891...	......	......	......	......	......	......	......	......	......	......	......	2.02	......
1892...	3.50	1.82	3.63	2.05	3.94	4.02	4.53	3.30	2.77	0.38	4.51	2.23	36.68
1893...	2.28	4.74	2.10	3.18	3.97	4.74	2.98	3.60	2.98	2.59	3.87	2.73	39.76
1894...	1.52	4.28	1.29	3.67	8.11	4.25	1.98	2.76	7.04	5.90	2.69	4.03	46.49
1895...	5.29	1.61	2.73	6.68	3.29	5.22	4.74	1.49	3.14	2.82	1.39	3.55	41.95
1896...	1.34	5.12	4.86	1.37	2.53	3.40	3.02	1.29	4.85	3.55	4.49	0.34	36.16
1897...	1.93	4.20	3.23	3.16	5.47	1.27	6.76	2.57	1.94	2.85	4.82	2.48	40.68
1898...	3.54	1.73	2.69	2.73	4.55	1.62	6.27	10.39	3.23	4.59	5.62	4.03	50.99
1899...	3.32	4.55	5.31	1.65	3.30	1.31	2.71	3.75	4.75	2.65	2.06	1.59	36.95
1900...	2.64	5.42	3.55	2.23	3.17	4.59	3.83	5.59	4.36	1.56	2.06	2.46	41.46
1901...	2.75	0.67	4.21	4.83	2.62	1.31	9.16	7.39	3.54	1.20	3.29	8.41	49.38
1902...	3.39	5.44	3.77	4.37	1.89	4.17	7.29	1.42	9.50	6.61	2.25	7.91	58.01
1903...	4.60	4.30	4.18	3.30	3.38	5.63	3.72	5.34	3.06	4.20	0.93	3.51	46.15
1904...	3.37	1.85	3.62	2.33	1.95	4.26	6.24	8.74	3.94	5.30	2.36	*2.41	46.37
1905...	4.07	2.50	3.82	3.10	3.35	5.17	6.46	4.14	2.55	3.08	1.50	4.74	44.48
1906...	3.39	2.90	5.67	4.31	2.78	4.68	4.23	8.91	0.56	5.50	2.84	5.55	51.32
1907...	2.92	2.39	2.79	2.54	3.42	5.75	3.51	5.52	7.96	2.62	6.44	5.86	51.72
1908...	2.11	5.81	2.53	1.59	4.77	1.49	7.03	6.39	3.79	2.38	1.02	2.76	41.67
1909...	3.00	4.22	4.05	2.36	3.64	3.70	1.45	0.51	4.21	1.64	1.72	5.63	36.13
M'ns..	3.05	3.53	3.56	3.08	3.67	3.64	4.77	4.62	4.12	3.30	2.99	3.80	44.20

* Data from Colora, Md.

DOVER, Kent Co., Del. Elevation, 40 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1870...	......	......	......	......	......	......	3.70	4.45	3.80	1.10	1.10	0.97	......
1871...	4.00	3.50	6.50	......	4.10	2.20	8.30	1.20	2.70	2.70	3.73	2.30	......
1872...	1.60	3.20	5.10	0.80	0.80	3.90	2.20	6.70	5.21	4.55	3.13	4.25	41.44
1873...	6.05	7.30	3.90	3.35	5.30	0.30	7.10	7.19	3.50	5.30	4.40	4.20	57.89
1874...	3.20	4.60	2.10	8.65	3.10	3.65	6.34	2.40	9.91	......	2.20	......	......
1875...	3.90	1.70	4.40	1.95	0.70	2.23	1.82	8.86	3.10	1.75	4.00	3.48	......
1876...	0.80	4.90	7.15	3.00	6.10	......	7.60	1.70	12.46	0.95	10.53	1.02	......
1877...	2.55	......	6.50	3.46	1.45	4.60	2.90	1.55	5.95	5.80	7.20	1.60	......
1878..	......	0.90	3.20	1.90	4.90	6.20	5.95	3.75	0.10	2.40	1.70	4.90	......
1879...	2.80	1.70	2.60	3.30	0.90	4.30	3.60	12.45	0.40	0.80	1.55	3.40	......
1880...	1.60	2.00	5.10	2.00	2.20	2.80	6.00	4.90	1.40	......	......	6.30	......
1881...	......	......	3.30	......	......	......	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1890...	......	......	......	......	......	......	......	......	......	7.24	0.50	4.00	......
1891...	6.14	6.36	9.92	3.34	2.49	2.78	8.59	4.03	1.00	3.17	1.67	3.58	53.07
1892...	4.89	3.02	6.40	4.06	5.59	1.45	4.35	2.54	2.71	0.46	5.79	2.10	43.36
1893...	2.39	5.05	3.34	3.59	3.50	1.20	5.29	3.03	3.69	4.37	2.89	2.77	41.11
1894...	2.77	4.81	1.27	4.66	8.67	1.60	2.16	4.01	4.61	4.15	2.88	3.39	44.38
1895...	5.47	1.55	3.79	5.40	2.75	3.88	1.94	1.73	2.23	3.14	2.26	1.82	35.96
1896...	1.57	6.13	5.50	1.18	2.82	7.63	4.75	0.68	3.86	3.84	2.15	1.51	41.62
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1898...	3.83	2.35	2.19	4.27	5.37	2.07	2.92	4.11	4.05	4.06	4.53	2.98	42.73
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1906...	[illegible]	[illegible]	[illegible]	[illegible]	2.81	4.48	8.52	4.12	2.09	4.19	2.28	3.33	46.58
1907...	1.67	0.95	5.02	4.69	8.04	5.66	1.59	3.76	8.17	2.88	6.60	5.08	54.31
1908...	3.10	4.07	1.97	3.38	7.84	1.21	7.56	4.38	2.63	2.28	0.93	4.81	44.16
1909...	3.58	3.50	3.21	4.16	2.47	5.04	3.85	2.83	3.55	1.37	2.81	4.84	41.21
M'ns..	3.26	3.55	4.48	3.45	3.87	3.20	3.86	4.11	3.96	3.17	3.40	3.30	45.22

EASTON, Talbot Co., Md. Elevation, 35 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891...	......	......	......	......	......	......	......	......	......	......	1.19	2.33	......
1892...	4.39	2.98	4.98	4.51	5.05	3.06	2.63	1.09	1.84	0.79	3.10	2.32	36.74
1893...	2.14	3.87	3.44	3.38	4.16	1.46	4.29	4.24	2.10	4.04	3.87	2.90	39.89
1894...	2.44	4.09	0.84	3.96	6.46	1.34	5.18	4.91	3.99	3.20	2.77	2.60	41.78
1895...	4.60	1.98	3.45	*4.59	3.07	4.13	4.32	3.35	2.49	2.70	2.56	1.72	38.96
1896...	1.18	5.96	4.34	1.66	3.55	3.76	2.34	1.53	2.69	1.04	1.90	0.98	30.93
1897...	2.04	5.47	2.12	2.36	3.32	3.35	8.30	3.18	0.73	5.32	3.40	4.12	43.71
1898...	2.83	1.60	3.87	2.76	3.84	1.47	2.26	4.98	1.32	3.96	4.14	3.96	36.99
1899...	3.53	8.61	4.70	1.11	2.09	2.10	6.11	4.25	4.33	2.70	2.67	1.42	43.62
1900...	2.71	4.89	3.17	2.69	1.91	4.29	2.12	4.67	6.80	4.15	2.59	2.49	42.48
1901...	3.78	0.31	2.19	6.13	3.63	2.96	5.39	5.10	1.65	1.68	2.42	5.76	41.00
1902...	4.11	4.91	3.63	3.63	1.62	7.38	3.71	2.39	4.90	6.71	3.07	4.58	50.64

EASTON, Talbot Co., Md. Elevation, 35 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1903...	3.61	5.38	5.49	3.05	1.58	8.13	4.59	4.63	2.27	4.85	1.04	2.55	47.17
1904...	1.47	1.79	3.41	2.44	2.23	3.87	4.25	1.00	4.91	2.42	2.48	3.51	33.78
1905..	3.76	3.24	2.54	2.38	4.51	3.70	6.12	3.97	3.63	1.37	0.69	3.49	39.40
1906...	2.10	3.83	4.71	2.49	3.15	7.02	5.83	4.71	1 28	3.41	1.96	2.95	43.44
1907...	1.93	2.24	3.32	3.04	6.53	6.27	3.17	3.62	7.43	3.73	7.35	3.45	52.08
1908...	2.92	3.05	1.57	2.83	3.66	1.61	4.73	7.60	2.07	3.92	1.10	4.52	39.58
1909...	2.53	2.51	4.30	3.13	3.09	6.82	4.92	2.53	3.66	1.46	1.69	3.01	39.65
M'ns..	2.89	3.71	3.45	3.12	3.52	4.04	4.46	3.76	3.23	3.19	2.63	3.09	41.21

* Data from Denton, Md.

FALLSTON, Harford Co., Md. Elevation, 450 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1870...	......	......	......	......	......	......	......	......	4.20	4.20	1.50	2.10	......
1871...	3.40	3.20	6.41	1.74	4.44	3.57	4.56	2.00	2.33	3.82	4.95	1.62	42.04
1872...	1.20	1.50	3.68	2.66	2.21	2.42	1.66	11.55	3.81	5.70	3.54	2.43	42.36
1873...	4.54	4.47	3.26	2.99	6.47	1.05	5.54	9.73	3.73	7.56	4.09	1.27	54.70
1874...	3.04	3.16	1.70	8.11	1.97	1.44	3.59	4.71	8.69	0.23	2.58	1.87	41.09
1875...	2.91	3.84	4.81	3.04	0.70	3.77	2.89	9.14	3.77	1.77	5.34	2.78	44.76
1876...	1.81	3.27	8.75	1.96	3.27	4.04	5.35	1.79	12.95	1.99	3.90	1.74	50.83
1877...	5.00	2.10	4.31	2.77	2.48	6.41	5.19	2.32	6.24	7.70	10.27	2.30	57.09
1878...	4.42	4.01	3.18	4.06	4.21	4.22	3.87	3.73	3.01	3.87	3.67	7.02	49.27
1879...	2.12	2.51	2 28	3.55	3.45	2.92	3.01	6.08	2.50	0.75	1.30	4.68	35.15
1880...	2.70	2.74	4.56	4.66	1.63	3.55	3.51	3.51	2.71	2.62	3.63	6.39	42.21
1881...	4.42	5.65	7.53	1.28	2.20	7.86	1.37	1.10	1.21	2.73	2.78	5.75	43.88
1882...	6.63	4.79	3.28	2.82	3.76	2.32	3.04	5.00	8.63	0.79	0.47	1.48	43.01
1883...	4.27	5.20	3.23	2.76	1.08	10.21	3.98	3.56	5.22	2.99	1.79	5.23	49.52
1884...	4.16	7.01	5.71	1.94	3.86	5.00	3.57	3.00	0.23	1.48	3.14	6.06	45.16
1885...	4.65	4.59	1.44	1.60	5.28	4.01	3.33	10.75	0.64	7.07	4.68	2.64	50.68
1886...	6.00	5.96	6.03	2.53	8.26	5.25	10.03	4.53	1.63	2.24	4.19	4.22	60.87
1887...	2.72	4.46	3.61	2.51	2.51	5.14	5.39	5.99	4.26	1.37	2.02	6.40	46.38
1888...	4.80	2.78	6.04	2.93	3.84	2.70	4.38	3.15	7.69	3.82	3.97	4.78	50.80
1889...	5.40	2.22	5.57	7.77	6.33	6.45	12.37	1.58	8.65	5.02	8.13	0.71	70.17
1890...	1.94	6.07	4.52	3.18	8.26	2.37	5.33	4.97	7.77	7.08	0.87	3.80	56.16
1891...	6.27	5.81	7.47	2.71	*2.39	*3.98	*10.77	*3.29	*1.88	4.06	*2.13	3.92	54.08
1892...	6.54	2.54	5.86	2.89	6.10	3.35	5.96	4.10	3.28	0.45	5.36	2.21	48.64
1893...	2.43	5.43	1.55	4.00	5.66	4.51	2.68	6.26	2.84	5.15	4.53	2.58	47.62
1894...	2.08	4.36	1.70	5.31	10.41	3.89	1.95	2.83	3.68	4.91	2.22	3.33	46.67
1895...	4.64	1.48	2.85	8.52	4.42	2.50	2.47	2.38	3.89	2.04	1.70	3.33	40.22
1896...	1.91	6.35	5.07	1.36	3.20	4.07	4.33	0.95	3.62	2.99	5.60	0.40	39.85
1897...	2.19	5.64	2.53	3.22	5.92	3.01	9.49	4.67	1.40	3.36	5.32	3.67	50.42
1898...	3.40	1.59	3.14	2.52	4.60	1.82	3.33	9.35	2.51	5.09	5.44	4.07	46.86
1899...	2.97	6.09	5.05	1.88	2.83	1.94	2.02	4.58	7.29	2.23	3.35	1.70	41.93
1900...	2.30	5.57	3.61	2.25	2.66	4.52	2.21	3.87	3.77	2.47	2.34	2.49	38.06
1901...	2.52	0.80	4.68	5.66	2.88	1.76	7.58	8.43	5.36	1.89	3.26	8.14	52.96
1902...	3.11	5.53	4.52	4.38	0.94	5.58	2.58	2.10	9.09	8.06	3.29	6.70	55.88
1903...	4.28	5.09	4.28	4.18	2.13	5.37	5.87	5.05	3.16	4.89	0.92	2.86	48.08
1904...	2.87	1.99	3.19	2.01	2.17	4.02	3.97	5.38	4.64	4.19	1.97	2.96	39.36
1905...	4.10	2.43	3.53	3.70	3.15	3.89	6.19	4.38	3.27	3.53	1.80	5.46	45.43
1906...	3.51	2.39	5.20	4.92	3.59	4.53	4.24	5.94	0.53	6.56	2.14	5.11	48.76
1907...	3.20	2.16	3.57	2.79	3.28	6.56	4.08	4.08	8.90	2.67	6.93	6.19	54.41
1908...	3.71	5.67	2.66	1.30	5.36	2.21	4.78	7.29	2.61	4.26	1.07	3.13	44.05
1909...	3.25	3.74	5.02	2.46	4.16	6.56	1.21	0.97	4.16	0.92	1.28	5.14	38.87
M'ns..	3.63	3.95	4.24	3.36	3.90	4.07	4.56	4.72	4.40	3.61	3.44	3.72	47.66

Data from September, to 1870, July, 1881, taken from the Climatological Report: Maryland and Delaware Section for November, 1907. August, 1881, precipitation obtained from the same report. Data from July, 1881, to December, 1909, inclusive, taken from Chief of the Weather Bureau reports. * From York, Pa., records.

MILFORD, Kent Co., Del. Elevation, 20 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1858...	1.20	......	......	......	4.56	1.85	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1869...	......	......	......	......	......	1.40	1.65	0.30	3.20	3.65	3.50	4.30	......
1870...	2.20	2.71	3.88	7.80	4.60	2.80	4.30	3.30	4.10	2.70	2.20	1.06	41.65
1871...	......	1.90	6.90	2.00	6.40	1.80	10.00	3.70	2.00	3.15	5.65	3.13	......
1872...	2.30	3.20	6.00	0.65	2.80	3.50	3.20	7.60	8.25	5.55	3.77	5.77	52.59
1873...	5.90	7.60	1.65	2.70	5.05	1.25	3.85	7.00	4.10	4.55	3.40	3.00	50.05
1874...	3.90	7.13	0.70	6.25	3.20	3.35	2.90	1.70	11.05	1.05	2.25	4.35	47.83
1875...	3.45	3.70	5.05	3.77	1.07	3.20	1.05	11.75	2.65	1.47	4.70	3.09	44.95
1876...	1.10	3.16	4.95	2.56	5.45	4.60	3.95	2.35	9.30	0.72	5.90	1.70	45.74
1877...	3.90	1.90	5.04	2.35	1.83	4.25	7.90	1.00	6.70	4.30	5.57	2.60	47.34
1878...	3.90	1.05	3.10	1.90	4.40	......	......	......	......	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1893...	......	......	......	......	3.06	1.69	2.19	3.41	4.32	3.87	3.08	2.72	......
1894...	2.70	5.09	1.43	4.40	6.67	2.88	2.85	4.21	4.16	5.63	2.12	2.80	44.86
1895...	4.85	1.60	2.69	5.38	4.48	2.11	3.17	3.65	2.96	2.42	1.49	1.74	36.54
1896...	2.05	6.71	5.14	1.21	4.30	6.92	3.80	2.10	1.22	3.65	2.47	1.57	41.14
1897..	0.81	5 56	2.04	2.69	3.04	3.27	8.63	2.74	2.56	5.73	4.44	3.85	45.36
1898...	2.85	1.68	3.11	2.65	4.45	2.40	3.56	4.77	2.13	4.13	4.22	3.19	39.14
1899...	3.81	4.11	5.47	*1.50	2.29	1.40	4.59	2.94	2.36	4.35	2.42	1.82	37.06
1900...	3.69	3.16	4.52	*2.48	2.79	5.08	1.50	0.75	1.93	5.30	2.75	2.67	36.62
1901...	3.11	0.22	*4.09	3.87	2.86	2.65	4.71	5.30	2.15	2.27	2.44	5.81	40.48
1902..	4.00	5.30	3.15	3.77	1.99	6.67	1.77	1.22	6.42	4.02	3.78	5.52	47.61
1903...	3.35	6.82	8.21	3.68	2.31	4.93	3.93	5.35	3.70	6 06	1.36	4.52	54.22
1904..	1.62	2.10	3.12	2.51	1.93	5.13	7.02	0.78	1.72	3.27	2.49	5.55	37.24
1905...	4.51	3.88	2.57	2.97	2.18	3.43	6.08	5.60	5.19	1.22	0.70	4.94	43.27
1906..	3.35	4.44	6.22	1.85	2.42	8.46	4.20	12.10	0.92	3.49	2.22	3.87	53.54
1907...	3.26	2.45	2.61	4.59	7.89	4.88	3.22	1.75	6.32	3.14	7.21	4.43	51.75
1908...	3.35	4.49	1.59	2.24	8.36	1.92	3.70	4.03	2.35	2.37	1.34	5.49	41.23
1909...	2.85	4.98	3.78	4.93	5.18	4.65	2.64	2.52	3.22	1.50	2.22	5.19	43.66
M'ns..	3.12	2.80	3.88	3.23	3.95	3.57	4.09	3.92	4.04	3.44	3.22	3.64	44.52

* Data from Wyoming, Del.

MILLSBORO, Sussex Co., Del. Elevation, 20 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893...	2.18	4.43	3.09	5.31	3.54	2.23	2.47	4.00	6.17	2.88	3.41	2.96	42.67
1894...	2.53	4.95	1.60	4.37	7.20	4.01	4.07	2.26	4.82	5.65	2.35	2.37	46.18
1895...	5.29	1.93	4.66	5.71	5.52	2.23	3.73	2.37	1.89	3.06	2.66	2.89	41.94
1896...	1.81	7.18	3.47	1.59	5.38	4.03	6.59	1.86	3.99	5.19	2.04	1.77	44.90
1897...	2.69	5.82	3.33	3.20	3.10	2.45	8.16	4.90	1.51	8.17	3.00	3.83	50.16
1898...	2.65	1.24	2.45	4.42	3.83	3.64	6.99	5.25	3 73	4.55	4.81	3.11	46.67
1899...	3.00	6.90	5.52	1.61	2.55	1.11	6.56	7.66	1.57	5.34	1.32	1.79	44.93
1900...	3.07	3.14	4.27	2.45	4.93	4.00	2.57	2.91	1.75	2.71	3.81	3.65	39.26
1901. .	3.05	1.13	3.80	5.69	2.90	2.67	5.24	7.81	2.35	0.93	2.18	5.73	43.48
1902...	2.86	4.31	3.86	4.73	1.60	5.61	2.34	2.02	6.20	2.98	2.32	7.42	46.25
1903...	4.39	6.04	8.06	3.46	2.01	2.97	5.47	3.35	3.94	6.50	2.50	4.20	52.89
1904...	1.96	2.61	3.30	3.30	1.33	3.46	7.20	1.77	2.58	2.62	1.82	6.19	38.14
1905...	4.27	5.44	3.14	2.66	3.34	4.48	5.63	12.33	3.77	1.49	0.58	6.21	53.34
1906...	3.23	4.42	6.21	1.39	2.68	7.11	4.55	11.34	1.38	5.71	1.03	3.52	52.57
1907...	1.28	2.15	2.81	2.83	4.80	6.04	5.81	5.94	5.04	2.37	6.64	4.44	50.15
1908...	4.15	3.77	1.83	3.19	5.06	1.58	7.11	5.41	2.82	1.81	1.90	4.03	42.66
1909...	3.11	3.59	3.90	5.70	4.99	4.20	1.58	5.16	3.02	1.18	2.11	3.35	41.89
M'ns..	3.03	4.06	3.78	3.62	3.81	3.64	5.06	5.08	3.33	3.71	2.62	3.97	45.77

NEWARK, New Castle Co., Del. Elevation, 136 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888...	......	......	......	......	......	......	......	......	......	4.01	3.86	4.44	......
1889...	4.48	2.05	4.38	3.87	......	......	......	......	......	......	......	......	......
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1894...	......	......	......	3.38	12.67	3.44	2.44	4.99	8.89	3.56	2.69	2.65	......
1895...	4.85	1.08	3.09	4.80	2.72	5.51	2.73	1.56	0.88	2.53	1.06	3.60	34.41
1896...	1.30	4.81	4.45	1.57	1.89	3.05	2.61	1.14	4.45	1.92	2.95	0.56	30.70
1897...	2.35	4.30	2.27	2.87	6.17	1.17	8.70	2.35	0.99	2.90	5.88	3.78	43.73
1898...	3.57	2.94	2.48	2.76	5.72	3.99	4.44	7.02	2.57	3.95	5.57	4.17	49.18
1899...	3.89	5.85	6.03	1.63	2.61	2.55	3.64	2.64	5.27	2.02	2.26	1.92	40.31
1900...	3.45	6.18	2.66	2.19	2.37	5.20	4.68	4.26	3.77	1.44	1.57	2.63	40.40
1901...	2.54	0.97	3.52	5.84	3.30	1.61	3.82	9.78	3.79	0.98	2.37	7.26	45.78
1902...	3.98	4.66	4.95	4.71	1.66	5.85	5.08	1.54	6.04	8.33	3.00	7.35	57.15
1903...	4.29	4.84	3.94	4.91	2.18	3.23	3.98	5.84	2.37	5.58	0.56	4.09	45.81
1904...	2.57	*1.98	3.75	1.94	2.10	3.29	3.81	5.80	3.51	2.35	2.03	1.70	34.83
1905...	4.21	*3.13	3.88	3.48	1.90	3.65	2.86	2.34	4.08	2.58	2.11	4.14	38.36
1906...	3.44	2.75	6.33	4.18	4.13	5.43	8.96	8.46	1.02	3.92	2.81	6.01	57.44
1907...	2.82	3.19	2.62	3.23	4.98	5.72	2.95	3.35	8.06	4.23	5.33	6.64	53.12
1908...	3.72	4.50	*1.45	*2.30	*5.25	*3.35	*5.25	*3.00	*2.40	*1.15	*1.00	*3.03	36.40
M'ns..	3.36	3.66	3.67	3.32	3.98	3.80	4.40	4.27	3.87	3.16	2.75	3.97	43.40

* Data from Delaware City, Del.

POCOMOKE CITY, Worcester Co., Md. Elevation, 37 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894...	......	......	......	3.22	5.18	1.64	2.45	4.57	1.91	5.15	*2.29	2.01	......
1895...	4.84	1.62	4.43	7.44	4.33	2.53	2.86	1.85	3.17	2.76	2.50	1.96	40.29
1896...	1.33	6.52	2.29	1.03	2.59	1.72	5.26	3.00	5.71	1.84	2.51	*1.27	35.07
1897...	1.95	5.86	3.46	3.29	3.07	1.35	8.09	3.00	*1.25	3.65	1.59	4.25	40.81
1898...	1.24	1.50	4.06	4.28	3.16	2.38	4.74	5.50	*3.37	4.39	4.28	2.77	41.67
1899...	2.48	5.38	4.26	*1.93	1.74	3.47	5.43	3.97	0.80	4.73	*0.68	0.80	35.67
1900...	2.43	3.98	2.67	1.89	4.06	2.81	3.98	3.32	*1.68	1.24	4.39	2.69	35.14
1901...	2.44	0.85	3.83	4.02	3.16	4.58	2.51	5.52	4.37	1.32	1.86	4.15	38.61
1902...	3.20	4.79	1.82	3.50	1.70	*3.47	*2.46	2.50	6.67	2.05	3.36	*3.71	39.23
1903...	2.88	3.92	6.60	2.80	0.98	4.23	5.20	2.42	4.00	9.63	1.52	2.71	46.89
1904...	1.07	*3.06	2.26	1.95	1.95	3.04	4.13	2.83	1.63	2.70	1.82	5.83	33.27
1905...	3.69	4.29	2.81	5.21	2.54	3.69	4.40	6.21	3.45	1.25	0.39	5.90	43.83
1906...	3.22	4.99	4.84	1.67	1.06	7.32	4.32	4.75	1.49	4.18	1.56	2.71	42.11
1907...	2.25	2.80	2.98	3.11	3.95	4.66	1.52	5.21	3.15	2.76	5.07	4.88	42.34
1908...	2.49	3 43	3.00	1.86	3.08	3.23	4.93	4.41	1.79	1.54	1.10	3.81	34.67
1909...	2.56	2.95	3.09	3.15	3.13	4.05	2.41	4.73	2.67	1.46	1.15	3.37	34.72
M'ns..	2.54	3.73	3.56	3.15	2.86	3.39	4.04	3.99	2.04	3.17	2.25	3.30	38.89

* Data from Princes Anne, Md.

PRINCESS ANNE, Somerset Co., Md. Elevation, 17 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894...	......	. ..	......	.. ...	......	.....	1.92	2.79	2.66	4.77	2.29	1.67	......
1895...	3.42	2.14	4.28	5.58	3.94	1.12	4.25	2.53	0.92	2.71	2.07	2.00	34.96
1896...	1.21	6.80	2.18	0.96	2.17	3.03	6.49	3.54	5.77	2.49	2.01	1.27	37.92
1897...	1.65	4.72	3.17	3.24	3.12	2.62	11.38	2.76	1.25	5.92	2.81	3.09	45.73
1898...	2.09	1.40	4.05	3.40	3.37	3.87	2.12	8.39	3.37	4.01	4.20	2.45	42.72
1899...	2.73	5.79	4.74	1.93	1.51	2.79	6.26	2.48	1.51	4.33	0.68	1.39	36.14
1900...	2.89	3.76	3.44	1.98	2.79	4.03	2.97	3.56	1.68	2.00	4.10	2.48	35.68
1901...	2.70	0.89	4.18	4.52	3.86	3.80	3.10	12.05	4.38	1.12	1.93	5.67	48.20
1902...	3.21	5.59	1.96	3.93	2.15	3.47	2.46	2.51	5.26	3.06	3.27	3.71	40.58
1903...	3.78	5.39	7.45	3.54	1.25	3.11	5.22	6.31	3.18	7.74	2.21	3.01	52.19
1904...	1.76	3.06	2.96	1.57	1.56	2.50	7.89	1.90	2.88	2.84	1.59	5.22	35.73
1905...	3.48	4.23	2.67	2.95	3.37	2.59	5.87	5.89	4.55	1.37	0.53	5.30	42.80
1906...	2.75	6.57	4.40	2.30	3.63	6.45	6.48	9.33	0.95	4.36	1.54	2.75	51.51
1907...	1 98	3.45	2.38	3.60	5.59	3.76	2.71	6.32	3.09	2.70	5.22	2.91	43.71
1908...	2.46	3.34	2.82	2.48	3.07	2.28	5.29	4.09	2.10	2.49	0.94	4.25	35.61
1909...	2.46	2.96	3.50	4.11	3.25	5.47	1.00	6.40	3.48	1.65	1.69	2.51	38.48
M'ns..	2.57	4.01	3.61	3.07	2.98	3.39	4.71	5.05	2.94	3.35	2.32	3.10	41.46

SEAFORD, Sussex Co., Del. Elevation, 40 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892..	4.78	2.02	6.73	5.58	3.15	2.34	2.90	1.39	1.81	0.84	6.60	2.51	40.65
1893...	2.13	4.85	3.28	4.68	3.80	0.77	6.08	2.64	3.76	3.12	3.15	3.09	41.35
1894...	2.85	4.60	1.18	[illegible]	6.56	1.16	[illegible]	2.24	2.58	4.40	2.35	2.38	37.80
1895...	4.63	1.63	3.84	6.17	4.27	2.67	3.89	4.76	2.62	2.76	2.60	2.14	41.98
1896...	1.03	7.36	4.01	1.84	6.44	5.81	7.50	3.17	5.29	2.48	2.06	1.01	48.00
1897...	2.16	4.79	3.25	3.98	3.72	4.84	8.40	4.04	1.16	6.81	2.46	3.87	49.48
1898...	3.37	1.81	3.13	3.91	4.63	3.12	2.54	4.19	4.28	4.20	3.77	3.97	42.92
1899...	3.17	6,12	5.34	1.48	2.03	1.49	8.37	6.40	2.05	2.73	2.60	1.29	43.07
1900...	3.79	4.49	3.43	2.43	2.99	3.88	2.34	3.63	2.89	2.50	2.23	2.50	37.10
1901...	3.44	0.82	3.01	4.41	3.02	2.52	3.52	5.29	1.51	2.18	1.81	5.22	36.75
1902...	3.73	5.01	2.98	3.79	2.29	6.86	5.55	1.69	5.91	4.23	3.16	4.79	49.99
1903...	3.46	6.90	5.67	3.98	2.51	3.46	3.91	4.38	4.15	8.44	1.71	3.70	52.27
1904...	1.73	2.32	3.39	1.95	1.52	8.02	7.74	1.32	2.08	2.73	2.01	6.07	34.88
1905...	4.48	3.83	2.20	2.89	5.50	4.02	6.73	5.69	6.19	1.45	0.66	4.58	48.22
1906...	2.53	4.61	5.88	1.44	4.86	12.30	11.56	7.86	2.28	4.70	1.45	3.45	62.92
1907...	2.53	2.60	2.72	3.90	6.97	4.50	3.92	2.46	3.95	3.06	5.62	3.65	45.88
1908...	2.80	3.54	1.85	2.95	6.71	1.86	3.66	8.48	2.27	1.46	1.39	4.23	41.20
1909...	2.60	2.74	4.40	4.52	4.70	6.96	1.87	2.73	2.51	1.33	1.81	2.59	38.76
M'ns..	3.07	3.89	3.68	3.55	4.20	3.92	5.22	4.02	3.18	3.30	2.64	3.39	44.07

SOLOMONS, Calvert Co., Md. Elevation, 20 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892...	5.09	4.48	4.69	5.23	2.99	4.00	2.49	2.89	1.57	0.67	3.90	2.44	40.44
1893...	1.53	4.65	2.87	3.54	4.01	2.67	4.14	3.07	2.56	4.88	4.66	3.31	41.89
1894...	2.43	3.91	1.17	3.14	4.65	0.87	2.34	1.86	1.94	4.27	2.35	3.21	32.14
1895...	3.40	1.34	3.29	5.52	4.46	4.48	3.58	2.05	0.76	3.04	2.51	1.74	36.17
1896...	1.54	6.44	2.63	1.17	4.44	3.97	4.51	2.45	3.24	1.39	2.10	0.92	34.80
1897...	1.68	5.51	3.14	2.00	2.41	5.69	7.39	3.19	0.50	5.42	1.90	3.31	42.14
1898...	2.54	1.86	4.24	3.68	4.61	1.72	4.69	7.88	2.88	2.87	3.25	3.29	43.51
1899...	3.41	4.54	5.28	1.27	2.44	3.09	4.13	3.43	5.17	3.21	0.93	1.48	38.38
1900...	3.15	3.51	2.90	3.35	1.36	3.31	2.66	6.77	3.05	3.43	2.48	2.39	38.36
1901...	3.93	0.37	3.06	4.42	2.65	2.75	7.14	4.93	2.91	1.58	1.74	5.46	40.94
1902...	2.88	4.63	2.69	3.15	2.82	4.00	6.43	2.08	4.91	5.04	2.32	3.45	44.40
1903...	3.05	4.62	5.40	2.97	2.81	3.12	5.56	4.97	1.72	3.27	1.57	2.04	41.10
1904...	1.75	1.92	2.57	1.74	2.07	2.96	4.81	2.61	2.47	1.13	1.63	4.13	29.79
1905...	3.00	3.72	2.19	2.58	6.12	3.06	7.71	3.10	3.08	1.23	0.40	3.84	40.03
1906...	1.62	3.68	4.66	1.34	1.89	5.73	6.11	8.91	3.60	4.23	1.72	2.48	45.97
1907...	1.84	2.33	3.01	2.47	4.60	3.55	2.24	4.28	4.47	2.65	4.07	2.04	37.55
1908..	2.40	2.29	1.80	2.62	1.06	4.00	5.00	4.13	1.80	2.25	0.76	3.52	31.63
1909...	2.43	1.93	3.06	2.50	2.54	3.79	1.44	4.61	3.22	0.72	1.07	1.72	29.03
M'ns..	2.65	3.43	3.26	2.93	3.22	3.49	4.58	4.07	2.77	2.85	2.19	2.82	38.24

SUDLERSVILLE, Queen Anne Co., Md. Elevation, 65 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899...	3.30	*6.39	4.78	1.77	*2.81	2.56	*4.53	5.15	3.58	1.65	2.17	1.59	40.28
1900...	3.73	6.39	3.41	2.13	2.02	1.48	4.93	2.81	5.82	2.01	2.26	2.41	39.40
1901...	3.12	0.64	2.68	5.11	2.83	1.30	8.01	*6.35	4.38	1.47	2.11	7.00	45.00
1902...	4.25	6.85	3.30	3.90	2.28	9.00	*4.07	1.57	6.68	4.97	3.68	6.21	56.76
1903...	3.08	4.71	6.35	3.75	1.41	4.39	4.32	5.27	1.61	5.36	1.27	3.30	44.82
1904...	2.89	2.80	3.58	2.57	2.25	3.81	*5.38	3.70	4.47	2.88	*2.12	4.16	40.61
1905...	4.14	3.66	3.78	3.02	3.79	4.38	7.84	3.92	3.88	1.83	1.35	4.14	45.73
1906...	2.66	3.83	6.73	2.51	2.19	*3.78	*5.14	*8.81	*1.46	4.78	2.19	3.57	47.65
1907...	2.33	2.50	2.58	3.82	6.32	5.79	3.05	1.68	6.28	2.68	6.32	4.23	47.58
1908...	3.14	3.77	2.21	2.63	7.00	2.33	5.67	4.21	2.38	2.72	1.30	4.67	42.03
1909...	3.17	3.62	4.26	2.74	3.02	5.01	2.61	1.61	5.71	1.35	2.87	5.46	41.43
M'ns..	3.26	4.16	3.97	3.09	3.27	3.98	5.05	4.10	4.20	2.88	2.51	4.25	44.66

* Data from Chestertown, Md.

Average Monthly Snowfall

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Annapolis, Md..........	14	6.8	9.8	4.8	0.6	0	0	0	0	0	0	1.1	4.0	27.1
Baltimore, Md..........	26	6.1	7.5	4.5	0.6	T.	0	0	0	0	T.	1.0	4.2	23.9
Cambridge, Md..........	12	5.7	5.0	4.2	T.	0	0	0	0	0	0	0.3	6.1	21.3
Cheltenham, Md	8	4.2	5.0	3.1	0.3	0	0	0	0	0	0	0.5	3.9	17.0
Chestertown, Md........	14	8.7	7.1	3.0	T.	0	0	0	c	0	T.	5.6	5.0	29.4
Coleman, Md....	12	7.4	8.1	3.5	0.2	0	0	0	0	0	T.	1.3	5.0	25.5
Darlington, Md.........	14	5.7	9.3	5.8	0.3	0	0	0	0	0	T.	3.2	5.4	29.7
Dover, Del.......	6	3.9	2.2	1.7	T.	0	0	0	0	0	0	0.5	9.0	17.3
Easton, Md.............	14	5.2	7.4	3.0	0.4	0	0	0	0	0	0	0.1	2.9	19.0
Fallston, Md............	17	6.3	8.3	4.0	1.7	0	0	0	0	0	T.	1.9	4.5	26.7
Milford, Del............	14	8.2	6.4	1.3	0.2	0	0	0	0	0	0	1.1	6.9	24.1
Millsboro, Del..........	14	5.5	4.0	1.0	0.1	0	0	0	0	0	T.	0.1	3.7	14.4
Newark, Del	12	6.4	6.9	3.9	0.3	0	0	0	0	0	T.	0.8	2.9	21.2
Pocomoke City, Md.....	14	2.6	4.3	1.9	T.	0	0	0	0	0	0	0.2	2.5	11.5
Princess Anne, Md......	15	4.0	6.1	1.5	T.	0	0	0	0	0	T.	0.5	2.4	14.5
Seaford, Del............	14	5.2	5.7	1.7	0.2	0	0	0	0	0	0	0.7	3.9	17.4
Solomons, Md...........	18	5.5	4.9	2.1	0.1	0	0	0	0	0	0	0.4	3.3	16.3
Sudlersville, Md	11	7.0	6.9	3.9	T.	0	0	0	0	0	0	0.6	5.5	23.9

Average number of rainy days with .01 inch or more precipitation.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Annapolis, Md	14	8	8	8	7	8	8	9	8	6	6	6	7	89
Baltimore, Md	33	12	11	13	11	12	10	12	11	9	9	10	11	131
Cambridge, Md	12	9	9	10	8	8	9	9	9	6	6	5	9	97
Cheltenham, Md	8	12	10	11	9	11	11	10	11	7	6	7	9	114
Chestertown, Md	14	8	9	10	9	10	10	10	9	7	7	7	8	104
Coleman, Md	12	8	7	10	7	9	8	9	8	5	5	6	7	89
Darlington, Md	14	7	6	8	7	9	8	9	8	5	6	5	8	86
Dover, Del	6	8	8	8	8	9	7	8	7	5	6	7	6	87
Easton, Md	14	9	8	10	8	9	10	10	8	6	6	7	7	96
Fallston, Md	17	11	10	12	11	12	12	11	11	8	9	9	9	125
Milford, Del	14	9	8	9	9	8	9	10	8	7	7	7	9	100
Millsboro, Del	14	9	9	10	9	10	10	10	9	6	7	7	8	104
Newark, Del	12	9	8	11	8	10	10	10	10	7	7	8	9	107
Pocomoke City, Md	14	8	9	9	8	8	8	8	8	6	6	5	7	90
Princess Anne, Md	15	10	9	10	9	10	10	10	9	6	7	7	9	106
Seaford, Del	14	10	9	10	9	10	9	9	9	7	6	8	0	105
Solomons, Md	18	10	10	10	9	10	9	11	10	7	7	7	7	107
Sudlersville, Md	11	9	9	10	8	9	8	8	8	7	6	7	8	97

Monthly Mean Temperature.

Annapolis, Md	32	34.4	34.3	42.5	53.1	63.9	73.9	78.3	76.6	69.7	57.5	46.7	37.0	55.7
Baltimore, Md	33	33.4	34.6	41.9	53.0	64.2	73.0	77.3	74.7	68.6	57.5	45.8	36.9	55.1
Cambridge, Md	12	35.3	35.1	46.4	54.9	65.8	73.4	78.9	76.3	70.8	58.5	47.7	37.8	56.7
Cheltenham, Md	9	33.3	32.0	44.6	52.9	63.3	70.2	75.6	73.2	67.4	55.3	45.1	34.1	53.9
Chestertown, Md	25	32.4	31.8	42.7	51.4	62.8	71.0	75.9	73.6	67.7	55.8	45.4	35.3	53.8
Coleman, Md	9	33.1	31.3	43.4	52.7	63.9	71.4	76.7	74.2	69.2	57.2	46.3	35.2	54.6
Darlington, Md	18	30.5	29.6	41.2	51.3	62.3	70.3	74.7	72.5	66.3	54.2	43.8	33.6	52.5
Dover, Del	22	34.5	35.1	42.3	52.9	63.6	72.6	76.8	74.8	67.8	56.2	43.3	36.3	54.7
Easton, Md	19	33.9	33.2	43.9	53.0	63.6	71.2	07.3	74.4	68.7	56.8	45.9	36.5	54.8
Fallston, Md	40	30.7	31.4	39.1	50.5	61.3	69.7	74.3	72.0	65.7	54.5	43.2	33.7	52.2
Milford, Del	26	36.0	34.2	44.1	52.7	62.9	72.2	76.8	74.8	68.1	58.7	45.5	37.6	55.3
Millsboro, Del	18	34.4	33.1	44.0	52.1	63.0	71.0	76.3	74.5	68.6	56.7	46.5	36.8	54.8
Newark, Del	13	30.4	28.5	40.6	50.4	61.9	69.7	75.1	73.3	67.2	54.6	43.5	33.6	52.4
Pocomoke City, Md	17	38.5	36.1	47.1	54.6	65.1	72.7	77.9	76.0	70.3	59.6	50.0	40.7	57.4
Princess Anne, Md	17	35.4	33.6	45.0	52.5	62.6	70.3	75.8	73.7	68.2	56.4	46.4	37.0	54.7
Seaford, Del	17	34.1	32.9	44.0	52.5	63.3	71.0	76.2	74.5	68.4	56.2	46.2	36.6	54.7
Solomons, Md	19	35.0	34.2	44.1	53.3	64.8	73.2	78.2	77.2	71.7	59.6	48.6	38.2	56.5
Sudlersville, Md	11	34.0	31.7	44.3	53.0	63.9	70.9	76.6	73.7	68.5	57.0	45.9	35.5	54.6

Highest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extreme.
Annapolis, Md	14	66	68	83	90	95	97	105	100	98	89	85	71	105
Baltimore, Md	39	74	78	86	94	96	99	104	100	101	90	79	73	104
Cambridge, Md	12	76	74	91	93	98	99	102	100	95	89	79	69	102
Cheltenham, Md	9	74	73	91	91	93	97	100	95	93	87	78	70	100
Chestertown, Md	14	70	71	82	87	89	94	100	93	90	83	73	67	100
Coleman, Md	12	72	69	87	88	93	98	104	99	95	93	76	69	104
Darlington, Md	14	71	66	85	94	97	101	104	103	92	86	76	69	104
Dover, Del	6	71	76	83	95	94	98	100	96	94	88	79	71	100
Easton, Md	14	71	71	86	93	93	95	93	101	96	88	78	70	101
Fallston, Md	13	71	70	84	87	92	97	102	103	93	87	76	67	103
Milford, Del	14	77	76	88	97	97	101	104	99	97	90	80	71	104
Millsboro, Del	14	70	76	88	99	94	100	101	104	98	89	80	72	104
Newark, Del	12	70	68	83	92	92	97	100	98	94	86	76	66	100
Pocomoke City, Md	14	72	75	88	93	93	98	101	100	94	91	81	74	101
Princess Anne, Md	16	73	75	89	95	93	96	99	98	96	87	82	68	99
Seaford, Del	14	73	69	88	95	95	100	102	102	95	84	79	68	102
Solomons, Md	18	73	70	89	88	100	99	100	103	99	89	77	68	103
Sudlersville, Md	11	74	71	90	97	95	102	104	97	93	89	78	70	104

Lowest Temperature.

Annapolis, Md	14	4	-6	11	24	33	48	57	52	40	26	17	8	-6
Baltimore, Md	39	-6	-7	5	12	34	47	55	51	39	30	15	-3	-7
Cambridge, Md	12	3	2	13	25	37	47	53	52	37	30	18	10	2
Cheltenham, Md	9	-5	-2	13	22	29	42	47	45	35	26	13	0	-5
Chestertown, Md	14	-6	-9	14	23	30	43	54	51	37	30	17	7	-9
Coleman, Md	12	-2	-10	16	24	35	47	54	52	37	29	18	8	-10
Darlington, Md	14	-7	-12	6	20	31	42	44	41	35	24	13	-1	-12
Dover, Del	6	8	4	17	23	34	45	49	49	35	25	22	3	3
Easton, Md	14	-7	-15	14	23	34	40	52	50	35	28	15	0	-15
Fallston, Md	13	-5	-14	4	19	32	45	49	49	33	25	14	3	-14
Milford, Del	14	-3	-12	14	23	34	44	52	48	35	27	17	4	-12
Millsboro, Del	14	-6	-10	10	22	30	40	50	48	34	26	14	1	-10
Newark, Del	12	-10	-12	6	21	31	42	50	48	33	26	12	-1	-12
Pocomoke City, Md	14	6	-4	13	25	35	46	54	53	42	30	17	8	-4
Princess Anne	10	-6	-10	10	22	31	40	50	46	33	23	14	-3	-10
Solomons Md	18	4	-5	15	25	40	48	57	58	43	35	20	10	-5
Seaford, Del	14	-4	-11	12	23	33	44	52	49	35	26	16	2	-11
Sudlersville, Md	11	-10	-7	11	23	30	44	49	47	34	26	16	0	-10

Prevailing Wind Direction.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Annapolis, Md	14	nw.	nw.	se.	sw.	se.	se.	sw.	se.	nw.	ne.	nw.	nw.	nw.
Baltimore, Md	39	nw.	nw.	nw.	nw.	se.	sw.	sw.	sw.	n.	nw.	nw.	nw.	nw.
Cambridge, Md	12	nw.	nw.	nw.	nw.	s.	s.	sw.	s.	s.	nw.	nw.	nw.	nw.
Cheltenham, Md	8	nw.	nw.	nw.	nw.	sw.	nw.	sw.	nw.	sw.	nw.	nw.	nw.	nw.
Chestertown, Md	14	nw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	nw.	nw.	sw.
Coleman, Md	12	sw.	nw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	sw.	nw.	nw.	sw.
Darlington, Md	14	nw.	nw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	nw.	nw.	nw.	nw.
Dover, Del	6	nw.	nw.	sw.	nw.	sw.	sw.	sw.	nw.	sw.	nw.	nw.	w.	nw.
Easton, Md	14	nw.	nw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	nw.	nw.	nw.	nw.
Fallston, Md	15	nw.	nw.	nw.	nw.	s.	sw.	sw.	ne.	ne.	nw.	nw.	w.	nw.
Milford, Del	14	nw.	nw.	nw.	nw.	w.	sw.	sw.	sw.	ne.	nw.	nw.	nw.	nw.
Millsboro, Del	14	nw.	nw.	ne.	nw.	ne.	n.	sw.	s.	ne.	ne.	nw.	nw.	nw.
Newark, Del	12	nw.	nw.	nw.	nw.	nw.	nw.	sw.	sw.	sw.	w.	nw.	w.	nw.
Pocomoke City, Md	14	nw.	nw.	sw.	s.	s.	s.	sw.	s.	s.	ne.	nw.	nw.	s.
Princess Anne, Md	15	nw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	sw.	nw.	nw.	nw.	*
Seaford, Del	14	nw.	nw.	se.	nw.	s.	s.	s.	s.	s.	nw.	nw.	nw.	nw.
Solomons, Md	18	nw.	nw.	nw.	se.	se.	se.	sw.	sw.	se.	nw.	nw.	nw.	nw.
Sudlersville, Md	11	w.	w.	w.	nw.	sw.	sw.	w.	e.	e.	nw.	nw.	nw.	w.

* Northwest in winter, southwest in summer.

Killing Frosts.

Stations.	Length of record.	Average date of first in autumn.	Average date of last in spring.	Earliest date in autumn.	Latest date in spring.
Annapolis, Md	8	Oct. 27	April 15	Sept. 30	April 24
Baltimore, Md	33	Nov. 3	April 4	Oct. 6	May 3
Cambridge, Md	9	Nov. 1	April 16	Oct. 13	May 1
Cheltenham, Md	9	Oct. 20	April 16	Oct. 9	May 11
Chestertown, Md	13	Oct. 25	April 20	Oct. 9	May 11
Coleman, Md	7	Oct. 26	April 15	Oct. 11	April 22
Darlington, Md	12	Oct. 19	April 21	Sept. 30	May 11
Easton, Md	11	Nov. 2	April 10	Oct. 13	April 23
Fallston, Md	17	Oct. 13	April 20	Sept. 22	May 12
Milford, Del	8	Oct. 17	April 20	Oct. 2	May 11
Millsboro, Del	14	Oct. 20	April 23	Oct. 3	May 11
Newark, Del	12	Oct. 17	April 17	Oct. 3	May 12
Pocomoke City, Md	11	Oct. 19	April 22	Sept. 23	May 25
Princess Anne, Md	13	Oct. 15	April 23	Sept. 24	May 12
Seaford, Del	14	Oct. 21	April 21	Oct. 9	May 12
Solomons, Md	13	Nov. 13	April 8	Nov. 1	April 27
Sudlersville, Md	8	Oct. 16	April 12	Sept. 23	April 20

HYDROGRAPHIC DATA FOR SECTION 95.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY.

By R. H. Bolster, *Assistant Engineer.*

PRELIMINARY NOTE: Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.

This section comprises minor streams flowing into Delaware Bay and the Atlantic Ocean on the east and into Chesapeake Bay in the central and western portions. At the north end of this section Susquehanna River flows into Chesapeake Bay.

Patapsco River is probably the most important stream in this section. It is formed by the junction of North and South branches near Marriottsville, Md., and flows in a southeasterly direction into Chesapeake Bay, 18 miles south of Baltimore. Both branches rise in the central part of Maryland and the whole basin which has an area of about 350 square miles lies within that State. The drainage basin is hilly and largely under cultivation. It has no lakes or artificial reservoirs and the flow of the stream is variable. The freshets, however, do not cause very large rises of the water because of the steep slope of the stream. The bed is generally rock. The banks are of rock and very little land is subject to overflow. The river carries a small volume of water and it has considerable slope where it crosses the fall line and a large number of water powers have been developed along its course. These, though small, are made valuable by their proximity to the city of Baltimore.

The headwaters of Gunpowder River lie in York County, Pa., near the Maryland line. Thence the river flows southeastward through Baltimore County, Md., and empties into Chesapeake Bay about 10 miles northeast of Baltimore. The river though small has steep slopes, and the powers have considerable value on account of their proximity to a large city. A portion of the water supply of the city of Baltimore is taken from this river at Lockraven and the city has purchased all the power rights below this place.

Little Gunpowder Falls which is tributary below the fall line, has the same characteristics as the larger river. Throughout its entire length it forms the boundary between Harford and Baltimore counties, Md. There are several small power developments.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly discharge of Little Gunpowder Falls at Belair, Md., for period of 1905 to 1908. (Drainage area 48 square miles).

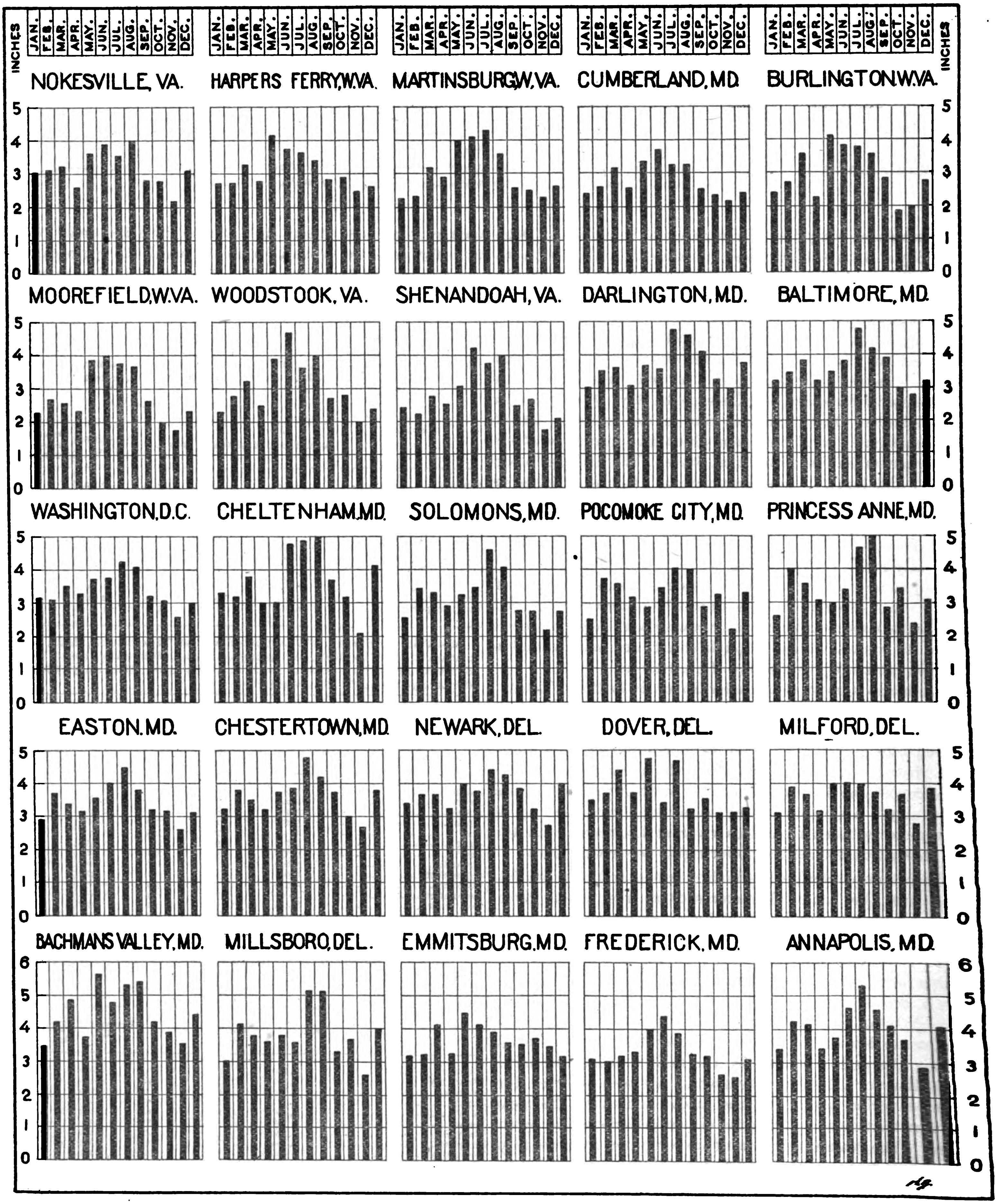
Month.	Discharge in second-feet.				
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drain area
January	600	45	99.3	2.310	2.66
February	1,600	51	123.0	2.860	2.98
March	708	55	121.0	2.810	3.24
April	654	60	91.2	2.120	2.36
May	256	41	71.2	1.660	1.91
June	286	24	62.3	1.450	1.62
July	444	16	58.7	1.370	1.58
August	462	22	55.1	1.280	14.8
September	405	13	48.3	1.120	1.25
October	351	20	53.2	1.240	1.43
November	636	20	62.2	1.450	1.02
December	690	26	89.6	2.080	2.40
The year period	1,600	13	77.9	1.8.0	24.53

Monthly discharge of Patapsco River at Woodstock, Md., for period of 1899 to 1908, excepting January, February, 1899; December, 1900; September, 1901; January 1904; February, 1905. (Drainage area 251 square miles).

Month.	Discharge in second-feet.				
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drain area
January	5,000	122	467	1.860	2.14
February	11,000	122	744	2.960	3.08
March	7,200	187	731	2.910	3.36
April	5,250	125	516	2.060	2.30
May	2,100	76	355	1.410	1.03
June	9,700	50	360	1.430	1.60
July	5,770	50	371	1.480	1.71
August	5,890	50	416	1.660	1.91
September	1,900	50	344	1.370	1.53
October	2,510	58	234	0.932	1.07
November	2,000	66	214	0.853	0.95
December	8,050	58	444	1.770	2.04
The year period	11,000	50	433	1.720	23.32

Monthly discharge of Deer Creek River at Churchville, Md., for period of 1905 to 1908. (Drainage area 141 square miles).

Month.	Discharge in second-feet.				
	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches on drain area
January	3,200	150	294	2.090	2.41
February	8,460	126	436	3.090	3.22
March	1,330	164	363	2.570	2.96
April	2,180	164	283	2.010	2.24
May	2,480	105	220	1.600	1.84
June	758	96	175	1.240	1.38
July	4,220	80	207	1.470	1.70
August	2,680	80	195	1.380	1.59
September	2,650	87	169	1.200	1.34
October	2,480	80	173	1.230	1.42
November	1,620	87	188	1.330	1.48
December	2,230	105	268	1.900	2.19
The year period	8,460	80	248	1.760	23.77


INCHES
JAN. FEB. MAR. APR. MAY. JUN. JUL. AUG. SEP. OCT. NOV. DEC.
NOKESVILLE, VA.
HARPERS FERRY, W.VA.
MARTINSBURG, W.VA.
CUMBERLAND, MD.
BURLINGTON, W.VA.
MOOREFIELD, W.VA.
WOODSTOOK, VA.
SHENANDOAH, VA.
DARLINGTON, MD.
BALTIMORE, MD.
WASHINGTON, D.C.
CHELTENHAM, MD.
SOLOMONS, MD.
POCOMOKE CITY, MD.
PRINCESS ANNE, MD.
EASTON, MD.
CHESTERTOWN, MD.
NEWARK, DEL.
DOVER, DEL.
MILFORD, DEL.
BACHMANS VALLEY, MD.
MILLSBORO, DEL.
EMMITSBURG, MD.
FREDERICK, MD.
ANNAPOLIS, MD.
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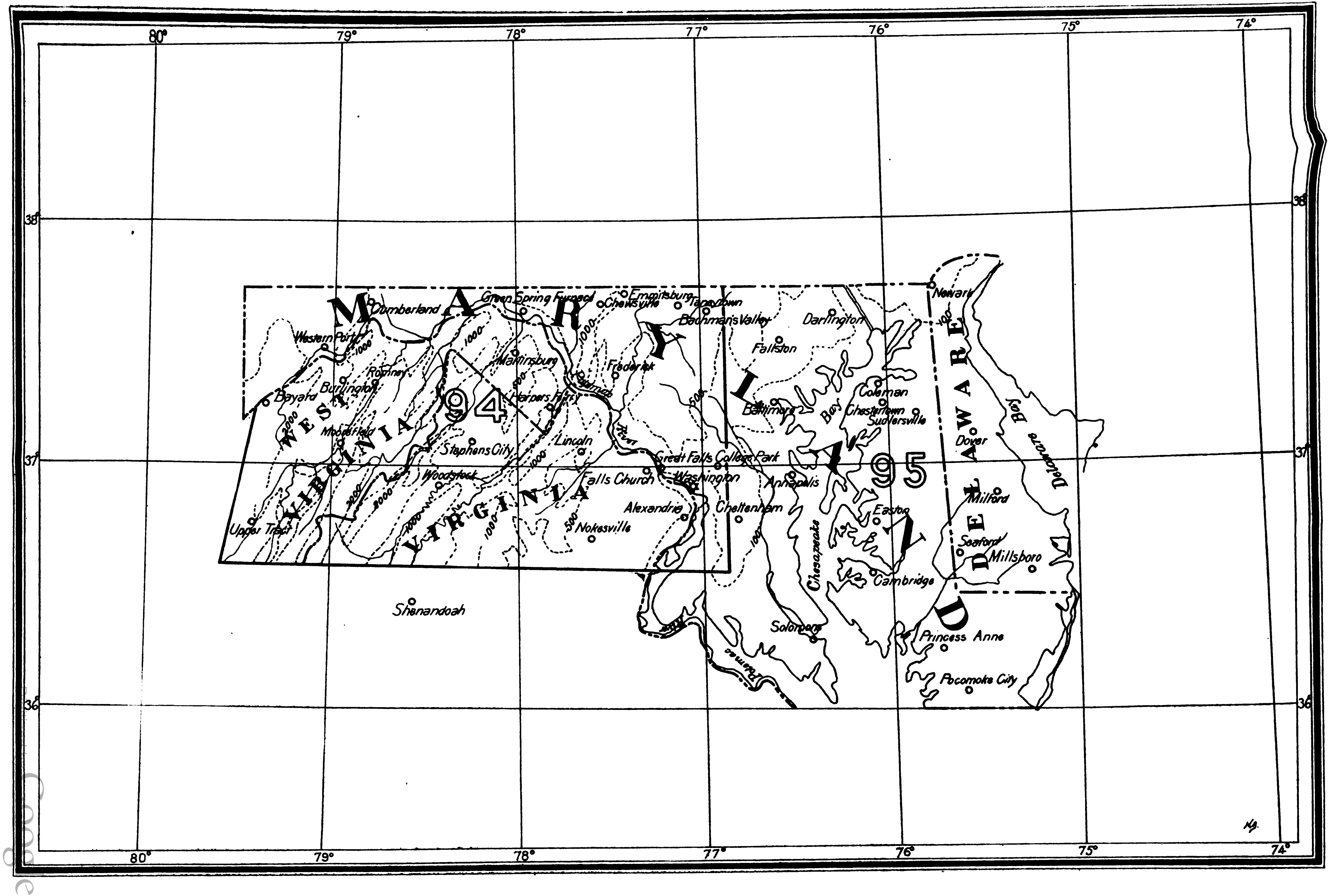
1
2
3
4
5
6
Ag.


80°
79°
78°
77°
76°
75°
74°
38°
37°
36°
MARYLAND
DELAWARE
WEST VIRGINIA
VIRGINIA
94
95
Cumberland
Green Spring Furnace
Chewsville
Emmitsburg
Taneytown
Bachman's Valley
Darlington
Newark
Western Port
Romney
Burlington
Bayard
Moorefield
Martinsburg
Harpers Ferry
Frederick
Fallston
Baltimore
Bay
Coleman
Chestertown
Sudlersville
Dover
Delaware Bay
Stephens City
Lincoln
Potomac
River
Great Falls
College Park
Washington
Annapolis
Milford
Easton
Woodstock
Falls Church
Alexandria
Cheltenham
Chesapeake
Seaford
Millsboro
Cambridge
Upper Tract
Nokesville
Shenandoah
Solomons
Princess Anne
Pocomoke City
Potomac
100
500
1000
2000
Hg.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 96.—WESTERN PENNSYLVANIA.

The district included in Section No. 96 comprises the portion of western Pennsylvania that is drained by the Ohio river, and the Lake Erie drainage, together with the portion of West Virginia that borders Pennsylvania on the west.

The Section is principally hilly or mountainous, and the arable lands are mostly in small scattered areas. The principal oil fields of the State lie in the northern portion of the district, and bituminous coal is mined extensively in many places. In the southern portion of the Section the coal is mined mostly in the bluffs along the rivers, and is largely transported by barges to Pittsburg and thence down the Ohio river. The average elevation of the Section above sea level is about eleven hundred feet. The highest land is in Somerset and Cambria counties, a large portion of which is more than two thousand feet above sea level, while the Lake basin and the Ohio river have elevations of from seven to nine hundred feet. Much of the Section is scenic, the hills being steep and rugged, and the valleys deep and picturesque. The hillsides are mostly covered with small, mixed varieties of timber, the greater portion of which is of little use for commercial purposes. In some isolated localities the timber is larger and more dense and assumes the character of forests.

The drainage of this portion of the State is rapid, the smaller streams, especially, flowing very swiftly. In times of heavy, general rains, or fast melting snows, the larger streams are filled quickly to overflowing, and do an immense amount of damage. A special article has been prepared in this bulletin, with tabular data showing daily precipitation and river stages during some of the most notable periods of high water that have occurred in recent years. It is fortunate, in this respect, that this portion of the State is not subject to the torrential rains that sometimes occur along the Atlantic slope. The average annual precipitation is nearly as great as for the Delaware and Susquehanna basins, but occurs in smaller amounts at more frequent intervals, and rainfall in excess of two and one-half inches in twenty-four hours is of rare occurrence. There is an average of one hundred and fifty rainy days per annum. The greatest damage by floods usually occurs in the early spring, when moderately heavy rains are supplemented by melting snow and the breaking up of the ice in the rivers. The Bureau maintains a very complete and effective river service for this district, under the supervision of the local office at Pittsburg.

The average annual precipitation for the Section is about forty-two inches, being generally heaviest in the southeastern counties, and lightest in the immediate Ohio valley below Pittsburg. The snowfall is moderately heavy, and the snow lies on the ground somewhat longer than it does in the eastern part of the State. The average annual snowfall, in the unmelted form, is about forty-four inches. Comparatively heavy snows sometimes occur in the northern counties and in the more rugged or mountainous districts as late as the middle of April.

The Section is subject to slightly greater extremes of temperature than occur in the remainder of the State, but the principal difference in temperature conditions is noticeable in the more frequent and sudden changes. Temperatures above 100° are sometimes recorded in the southern portion of the district during the three summer months, while there is an average of about fifteen days each year with temperatures of 90° or above. The winters are moderately cold, there being an average of one hundred days with freezing temperatures, while temperatures of 20° or more below zero occur in the northern counties practically every winter season. The summer mean in the northern counties is about 66°, and the winter mean is about 25°. In the southern counties the summer mean is about 71°, and the winter mean about 30°. The average date of first killing frost in autumn is October 15th, and of the last in spring is April 20th.

The wind movement is generally moderate except along the Lake shore, and the prevailing direction is west or northwest throughout the greater portion of the year. These winds come moisture laden from the Great Lakes, and consequently the relative humidity is generally high, averaging more than seventy percent for the year, and being much higher than that during the spring and winter months.

GEORGE S. BLISS,
SECTION DIRECTOR.

Precipitation in western Pennsylvania. Monthly, annual, and average amounts (in inches and hundredths).

ALEPPO, Greene Co., Pa. Elevation, 1,135 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901...	1.71	0.60	1.52	4.40	5.90	4.16	3.46	3.40	3.98	0.54	2.77	4.79	37.23
1902...	2.57	2.24	4.46	4.16	1.90	3.67	8.55	2.99	3.95	2.95	3.02	5.54	46.00
1903...	2.89	5.23	4.81	3.96	4.65	5.78	5.99	2.54	0.91	3.25	2.03	2.18	44.22
1904...	2.27	2.12	5.99	3.98	2.71	4.82	3.38	3.23	1.63	1.39	0.26	2.91	34.69
1905...	3.48	1.74	4.40	2.91	3.40	3.60	3.20	2.34	2.70	4.71	3.15	3.93	39.56
1906...	3.20	1.24	3.89	3.43	2.00	4.14	3.48	6.28	2.56	2.23	1.39	5.09	38.93
1907...	7.03	1.99	8.17	3.34	3.60	3.90	9.46	3.63	3.79	3.64	2.73	3.25	54.53
1908...	2.09	3.55	6.05	4.70	5.86	1.73	3.75	2.62	0.81	1.44	0.65	2.62	35.87
M'ns..	3.16	2.34	4.91	3.86	3.75	3.98	5.16	3.38	2.54	2.52	2.00	3.79	41.09

BROOKVILLE. Jefferson Co., Pa. Elevation, 1,210 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1885...	4.53	1.60	1.52	3.16	7.34	3.63	5.47	13.28	2.91	5.68	3.72	2.64	55.48
1886...	3.79	1.39	1.91	2.31	1.79	1.63	1.79	1.16	3.13	1.11	4.42	1.80	26.23
1887...	2.12	5.50	1.93	2.45	2.13	2.31	2.18	3.20	3.39	1.06	3.41	2.64	32.32
1888...	4.47	1.06	2.03	2.44	2.12	1.60	.....	......	....	1.24	2.52	2.23	.....
1889...	2.93	2.34	2.30	5.28	6.09	9.36	4.13	2.82	3.40	2.36	3.72	2.37	47.10
1890...	2.56	2.30	2.19	2.90	7.32	2.26	2.08	4.70	5.47	6.63	2.56	3.30	44.29
1891...	2.86	4.94	4.13	2.47	1.59	4.52	6.05	3.43	1.33	1.39	4.55	3.98	41.24
1892...	3.48	3.00	3.72	1.74	7.17	6.30	3.63	1.74	2.48	0.48	2.86	1.65	38.25
1893...	2.38	7.03	2.44	4.83	5.02	4.23	4.73	2.81	2.06	2.49	2.19	3.38	43.59
1894...	2.77	2.59	1.34	3.00	6.35	2.03	2.18	0.40	8.12	2.38	1.39	4.48	37.03
1895...	3.17	0.99	2.33	3.33	1.71	3.79	3.06	2.43	3.37	0.76	3.96	3.56	32.46
1896...	0.80	2.82	2.47	2.28	1.51	4.42	10.90	3.58	5.55	3.19	3.13	1.84	42.50
1897...	2.04	1.49	4.95	1.85	1.71	5.19	9.97	3.29	2.85	0.53	5.36	4.82	44.05
1898...	5.22	1.69	7.42	2.35	4.16	2.95	2.02	5.92	1.46	4.47	3.09	2.04	42.79
1899...	2.70	1.71	3.73	1.96	5.39	4.89	5.52	1.68	4.92	2.48	1.67	3.87	40.52
1900...	1.84	4.54	3.06	1.47	2.33	3.25	6.08	3.45	2.49	3.33	4.94	1.56	38.34
1901...	1.68	0.74	1.78	5.82	5.05	3.98	2.73	8.61	2.47	1.08	3.94	3.32	41.20
1902...	3.04	2.65	3.64	3.40	3.68	6.80	7.02	0.94	2.34	2.93	1.70	4.96	43.10
1903...	3.46	4.24	5.62	4.20	1.44	5.10	6.32	5.70	2.44	3.50	4.06	2.20	48.28
1904...	3.90	1.70	6.89	6.14	3.90	3.34	5.89	3.18	1.06	2.09	0.76	3.10	41.95
1905...	3.24	1.50	4.36	2.60	2.52	6.14	7.46	3.97	4.12	5.48	3.72	4.76	49.87
1906...	3.08	0.76	3.20	.....	......	.....	.....	......	......	......	......	......	......
M'ns..	3.00	2.57	3.32	2.78	3.82	5.48	4.96	3.81	3.27	2.60	3.22	2.12	40.95

CANNONSBURG, Washington Co., Pa. Elevation, 928 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1856...	3.25	1.17	2.13	*3.00	2.83	3.18	1.05	1.37	1.68	1.38	2.11	1.54	24.69
1857...	1.56	1.91	1.29	2.17	5.74	5.49	4.45	4.49	2.91	3.61	3.73	3.50	40.85
1858...	3.72	1.76	0.30	2.93	7.58	4.58	2.32	1.27	1.34	2.15	2.82	4.10	34.87
1859...	1.35	3.42	3.97	6.83	3.35	3.38	3.22	5.40	3.66	1.16	1.26	3.28	40.28
1860...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861...	4.92	3.06	1.53	3.76	2.05	3.83	5.20	1.27	2.48	4.52	3.27	1.45	37.34
1862...	9.92	1.50	4.75	4.55	1.44	.....	.....	.....	.....	.....	.....	.....	.....
1863...	3.00	4.14	3.15	2.47	1.21	2.78	2.40	1.85	4.40	2.35	2.76	1.49	32.00
1864...	1.62	3.17	3.04	2.64	2.34	4.33	2.83	4.68	8.55	0.94	3.98	3.76	41.88
1865...	2.83	1.38	5.10	2.20	4.08	6.65	5.61	4.20	4.60	3.07	0.70	2.90	43.92
1866...	1.76	2.54	3.24	2.97	1.07	4.64	3.71	3.45	5.85	4.00	3.44	3.13	39.80
1867...	0.97	2.86	4.01	1.37	5.10	1.97	3.60	1.84	1.15	2.85	1.19	2.02	28.93
1868...	2.67	1.03	3.76	2.54	3.16	0.85	4.08	3.33	7.96	1.52	2.96	1.69	35.55
1869...	4.64	2.05	3.87	0.89	5.67	2.84	4.21	1.43	5.69	2.00	2.35	2.32	37.96
1870...	4.62	3.46	3.25	2.61	3.41	2.83	3.46	3.81	2.04	3.06	1.06	1.78	35.39
1871...	2.30	1.87	1.92	1.83	3.13	3.59	3.25	5.31	0.80	1.79	1.92	1.60	29.31
1872...	1.08	0.50	1.04	1.34	1.69	2.83	5.48	0.98	3.26	4.59	1.26	2.70	26.75
1873...	2.87	2.57	3.02	2.03	4.72	3.89	2.55	4.77	1.99	6.28	2.17	3.51	40.37
1874...	3.35	3.22	2.44	5.91	1.16	1.72	9.88	1.37	3.80	0.10	3.60	4.30	40.85
1875...	2.03	1.58	3.60	2.33	1.90	2.00	7.04	1.78	3.19	2.49	2.64	3.70	34.28
1876...	2.25	2.96	3.77	0.99	2.40	2.38	5.61	2.38	6.07	1.07	1.84	1.60	33.32
1877...	.....	0.70	3.78	2.73	1.85	4.76	3.35	3.03	0.74	2.28	3.97	1.20	.....
1878...	4.63	1.70	2.21	4.00	1.30	4.65	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1889...	.....	.....	.....	.....	.....	.....	.....	1.64	3.41	2.87	4.91	3.30	.....
1890...	5.01	5.55	4.48	4.24	5.20	1.82	3.93	6.89	.....	.....	1.91	.....	.....
M'ns..	3.19	2.35	3.03	2.88	3.17	3.41	4.15	3.02	3.60	2.58	2.54	2.61	36.53

* Interpolated.

DERRY STATION, Westmoreland Co., Pa. Elevation, 1,172 feet.

1896...	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.11	2.95	1.53	.....
1897...	2.10	5.11	4.89	3.81	4.03	1.99	4.99	3.40	2.62	0.44	5.76	3.96	43.10
1898...	5.69	1.98	5.82	2.15	4.34	4.58	2.51	6.29	1.43	4.84	3.21	2.83	45.67
1899...	4.25	3.71	4.91	2.55	3.57	4.92	4.50	5.06	2.95	0.72	4.29	3.27	44.73
1900...	3.09	3.83	3.41	1.81	2.34	5.28	5.84	1.85	0.84	3.56	6.33	2.77	40.95
1901...	3.55	1.73	4.49	8.41	7.26	4.27	4.48	.....	.....	.....	.....	5.12	.....
1902...	4.18	3.38	4.00	4.97	1.38	6.25	7.28	3.53	2.79	5.17	1.30	4.86	49.09
1903...	2.81	4.86	4.02	3.91	1.64	5.04	5.92	5.19	1.03	3.02	2.72	1.62	42.38
1904...	3.09	3.50	5.26	4.74	2.96	3.34	6.21	2.93	1.45	2.56	0.48	2.58	39.10
1905...	3.54	1.98	4.26	3.28	4.56	7.93	5.89	5.26	2.92	4.43	2.87	4.27	51.19
1906...	2.67	1.85	3.79	2.29	2.32	8.09	4.86	4.03	1.83	2.88	1.09	4.56	39.76
1907...	6.83	2.04	7.11	2.63	2.23	5.99	6.13	2.93	5.28	2.67	2.88	3.49	50.21
1908...	2.42	3.51	8.01	4.60	6.20	4.61	4.45	3.14	0.76	0.28	0.56	3.19	41.73
M'ns..	3.68	3.08	5.00	3.76	3.57	5.19	5.26	3.96	2.17	2.81	2.87	3.39	44.74

ERIE, Erie Co., Pa. Elevation. 713 feet.

1874...	5.54	4.01	1.09	1.52	1.94	3.76	7.03	1.99	4.43	2.29	2.51	1.72	37.83
1875...	1.41	0.94	2.68	1.69	5.14	5.45	2.41	5.18	3.40	5.04	3.95	3.91	41.20
1876...	4.53	5.31	3.70	3.62	2.83	4.70	1.31	0.98	8.45	5.51	2.92	0.75	44.67
1877...	2.15	0.33	5.07	2.04	1.30	5.87	3.50	3.34	2.27	4.55	6.27	2.77	39.46
1878..	6.20	3.41	5.22	3.28	6.31	3.25	2.73	2.00	7.08	6.83	4.28	4.45	55.04
1879...	1.80	2.41	2.99	2.29	1.04	2.33	2.04	4.17	2.91	1.18	8.35	4.84	36.35
1880...	2.86	3.73	2.32	3.86	3.02	3.78	3.06	4.01	5.01	3.56	4.45	1.25	40.91
1881...	2.10	1.93	2.39	1.26	2.16	6.37	1.39	1.02	1.35	5.75	5.46	6.44	37.62
1882...	4.00	3.12	4.27	3.31	5.63	3.43	3.80	4.14	4.85	3.17	3.42	3.23	46.37
1883...	2.66	5.94	1.25	2.94	6.29	3.73	3.94	2.44	4.41	4.00	3.47	3.74	44.81
1884.	4.59	5.88	3.84	1.99	3.42	2.40	5.29	2.16	3.92	3.23	4.91	3.84	45.47
1885...	3.60	2.10	1.83	2.25	4.90	6.84	2.03	7.97	3.42	8.17	5.83	3.19	52.13
1886...	4.80	3.43	3.03	3.05	1.48	2.77	2.16	1.53	3.26	1.73	6.21	4.04	37.49
1887...	3.66	8.50	3.06	2.55	2.96	5.21	0.80	3.54	3.17	4.43	4.13	3.13	45.14
1888...	2.79	1.66	2.04	2.70	2.26	2.38	3.17	3.76	2.86	3.17	3.38	1.77	31.94
1889...	2.71	1.57	1.73	3.64	2.51	6.02	1.68	2.26	4.85	3.37	3.29	4.03	37.66
1890...	4.50	3.60	3.43	3.16	6.40	4.23	0.76	4.64	5.16	6.13	3.32	1.72	47.05
1891...	2.32	4.95	2.44	1.34	1.49	1.22	2.66	1.96	2.82	1.78	3.99	3.27	30.24
1892...	3.20	2.39	2.20	1.14	8.05	6.48	2.15	6.22	3.19	1.96	3.03	1.60	41.67
1893...	2.40	5.85	1.89	3.67	7.99	3.20	1.79	3.61	1.13	3.84	1.97	2.65	39.99
1894...	2.07	3.55	1.95	1.74	4.91	2.88	2.26	0.54	5.48	5.35	1.90	2.53	35.16
1895...	3.51	1.33	1.64	2.09	2.58	1.75	2.59	3.30	4.01	3.40	4.37	4.98	35.55
1896...	1.52	3.97	3.41	1.46	2.63	4.67	5.50	3.47	3.72	2.01	2.90	1.76	37.02
1897...	2.57	1.74	2.79	1.55	3.04	3.01	5.81	4.70	0.54	1.24	4.62	2.73	34.34
1898...	3.41	2.02	3.24	1.83	2.79	2.87	1.63	4.19	2.62	3.05	3.58	2.84	34.07
1899...	1.50	1.44	3.08	1.08	5.35	1.91	2.60	0.07	3.76	2.04	1.31	4.22	28.36
1900...	2.61	2.55	2.72	1.60	1.48	3.99	5.56	2.26	1.97	2.06	4.76	1.06	32.62
1901...	1.30	1.34	1.99	3.20	2.24	2.48	2.27	5.37	2.99	1.69	2.96	3.84	31.67
1902...	1.86	0.56	0.77	2.09	3.32	4.16	5.97	0.51	3.36	3.88	1.34	1.97	29.79
1903...	1.49	3.59	2.82	3.81	3.20	4.50	3.57	3.28	1.50	3.70	1.87	2.25	35.58
1904...	4.94	2.90	3.32	2.83	3.40	2.33	3.68	2.07	2.78	4.49	0.40	1.82	34.96
1905...	2.74	1.27	1.40	2.29	3.97	2.86	3.68	5.08	2.90	3.98	2.51	0.95	33.63
1906...	1.09	0.90	2.70	2.33	1.37	4.35	3.83	4.16	2.53	6.33	1.80	3.31	34.82
1907...	4.51	0.66	3.34	1.86	3.34	3.69	3.42	1.66	6.72	4.29	1.05	3.41	37.95
1908...	1.54	2.65	2.22	3.99	3.22	2.70	2.26	1.32	1.15	1.53	1.84	2.30	26.72
M'ns..	2.99	2.90	2.68	2.43	3.54	3.76	3.10	3.11	3.54	3.68	3.50	2.92	38.15

FREEPORT, Armstrong Co., Pa. Elevation, 772 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1877...	.....	.....	.....	.....	.....	.....	.....	1.32	2.81	0.30	4.03	1.88	.....
1878...	3.74	1.94	2.61	3.51	4.18	3.84	1.35	1.43	3.14	1.71	4.52	4.66	36.63
1879...	3.75	2.39	3.13	1.84	0.85	5.25	7.18	3.97	0.86	0.82	2.75	6.46	39.25
1880...	3.92	4.01	4.17	2.99	4.02	5.36	2.80	6.12	2.10	2.88	2.56	3.75	44.68
1881...	3.89	3.43	4.15	2.24	2.59	5.51	2.03	0.92	1.70	5.35	4.85	6.03	42.69
1882...	5.74	3.93	3.71	1.52	7.47	3.79	4.32	5.98	3.35	0.73	2.70	1.86	45.10
1883...	3.24	4.06	1.89	4.04	6.63	.....	.....	.....	.....	.....	2.04	2.98	.....
1884...	6.23	5.86	4.28	2.78	3.39	2.12	4.54	1.91	2.46	3.61	1.66	4.77	43.61
1885...	4.99	1.87	1.57	2.46	4.38	2.91	5.25	8.77	1.87	4.73	2.86	2.14	43.80
1886...	3.71	2.09	3.02	4.72	3.78	4.95	5.68	3.03	5.47	1.20	5.87	2.50	46.02
1887...	2.17	6.74	1.53	3.00	2.49	3.93	4.00	4.60	2.11	0.91	1.98	0.95	34.41
1888...	7.68	2.20	3.45	2.03	3.33	4.14	.....	.....	.....	3.13	4.00	1.92	.....
1889...	2.80	1.90	2.62	4.04	1.80	3.58	8.22	3.19	4.19	2.99	5.37	3.45	44.21
1890...	4.89	5.46	4.95	5.76	6.15	3.95	3.32	4.50	5.05	6.48	2.14	5.28	57.93
1891...	3.09	7.70	4.26	2.99	1.19	4.19	4.32	3.08	2.54	2.29	3.29	3.45	42.39
1892...	4.17	3.17	2.90	1.83	4.81	3.40	3.19	1.87	3.15	0.58	3.52	2.48	35.07
1893...	3.32	6.77	1.47	5.65	4.72	3.91	2.88	3.23	2.37	3.99	1.57	3.67	43.55
1894...	3.12	3.32	2.28	3.24	4.27	2.27	0.98	0.17	3.91	2.18	2.46	3.98	32.18
1895...	4.93	1.24	2.55	2.33	2.39	3.07	2.74	3.18	0.98	0.47	3.68	3.27	30.83
1896...	1.64	3.08	4.20	2.24	4.43	3.90	7.79	2.66	4.73	2.42	3.58	1.84	42.51
1897...	2.02	3.99	5.05	4.29	3.65	3.46	8.08	2.69	2.53	0.29	6.42	3.84	46.31
1898...	5.68	2.30	6.72	1.82	3.39	3.98	3.25	6.31	1.62	5.06	3.43	2.76	46.32
1899...	3.27	3.46	5.84	1.77	4.84	3.54	3.34	3.48	2.09	1.12	3.62	3.27	39.64
1900...	2.66	3.59	3.78	1.33	1.69	4.33	6.66	2.27	1.03	3.78	5.00	1.76	37.88
1901...	2.99	0.97	4.52	8.93	7.81	7.13	2.92	7.87	2.44	0.64	3.13	4.38	53.73
1902...	1.96	1.25	4.63	3.58	3.38	5.22	5.14	2.43	2.90	3.35	1.32	5.78	40.94
1903...	3.37	4.75	4.95	2.70	2.22	4.80	3.65	6.07	1.08	3.05	2.91	2.55	42.10
1904...	3.35	2.73	6.05	4.60	3.87	5.43	4.26	3.39	2.38	1.77	0.86	3.01	41.70
1905...	2.79	2.00	2.52	3.12	2.92	5.77	7.13	3.29	3.50	3.78	2.98	4.21	44.01
1906...	2.83	1.34	3.88	2.47	3.57	5.36	6.84	5.00	3.13	3.80	1.72	3.57	43.51
1907...	6.67	1.30	6.68	2.74	3.44	3.41	2.87	2.48	4.17	2.81	2.27	3.91	42.75
1908...	2.70	3.43	6.53	4.41	7.49	3.22	6.01	2.13	1.26	0.91	1.02	4.01	43.12
M'ns..	3.79	3.33	3.87	3.26	3.91	4.19	4.51	3.58	2.70	2.49	3.13	3.45	42.21

GREENVILLE, Mercer Co., Pa. Elevation, 950 feet.

1888...	3.50	1.63	1.92	2.73	2.63	3.44	3.95	3.18	4.07	3.16	5.17	1.61	36.99
1889...	3.52	1.18	.....	2.50	2.57	3.51	1.04	1.83	3.68	2.74	2.72	3.03	.....
1890...	4.58	5.05	5.12	4.57	.....	3.44	2.52	4.28	6.19	6.85	2.92	2.68	.....
1891...	1.22	2.50	3.33	1.75	3.31	6.72	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1894...	*3.43	1.62	1.94	2.55	3.03	1.78	3.32	0.54	6.03	0.65	2.47	2.27	28.43
1895...	3.50	1.08	.....	2.35	2.75	3.26	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1897...	.....	.....	5.63	2.93	4.10	3.55	8.16	4.88	1.91	0.47	5.89	4.73	.....
1898...	6.84	3.27	5.53	2.04	3.59	3.60	3.08	5.42	1.76	3.80	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1903...	2.75	5.42	5.10	4.11	2.09	7.21	7.32	4.73	1.48	4.10	2.78	2.87	49.96
1904...	5.03	3.36	4.37	3.45	5.04	4.68	5.59	4.11	2.59	1.37	1.07	2.16	42.82
1905...	2.89	2.20	2.93	3.56	4.06	5.63	9.78	4.10	2.81	5.52	1.90	2.37	47.75
1906...	1.56	1.59	3.51	2.36	3.08	2.41	3.72	5.79	3.69	5.20	2.04	2.09	37.04
1907...	6.18	1.62	4.27	2.80	3.81	6.79	6.48	1.68	4.07	3.71	2.94	3.36	47.71
1908...	2.62	4.08	5.20	3.94	4.01	3.80	6.76	2.19	0.91	1.07	1.01	3.51	39.10
M'ns..	3.66	2.66	4.07	2.97	3.39	4.27	5.14	3.56	3.27	3.22	2.81	2.79	41.81

* Interpolated from surrounding stations.

JOHNSTOWN, Cambria Co., Pa. Elevation, 1,184 feet.

1868...	.....	4.60	3.80	7.55	12.18	3.40	5.76	2.50	10.92	1.97	.....	2.90	.....
1869...	1.67	1.93	0.80	5.07	8.34	11.01	5.59	1.66	3.04	2.28	4.07	4.47	49.93
1870...	4.80	5.01	4.37	2.38	4.50	4.02	4.47	7.93	2.82	4.21	1.22	1.28	47.01
1871...	.....	.....	2.70	4.02	2.99	4.05	3.45	5.12	3.70	3.55	3.00	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1885...	0.90	3.77	1.83	2.96	3.65	3.25	3.06	4.06	1.62	5.80	2.72	3.94	37.56
1886...	6.48	2.08	3.75	2.96	4.48	7.25	7.10	5.77	5.47	1.70	5.94	2.89	55.87
1887...	2.90	10.72	1.26	4.03	0.90	7.72	4.81	4.50	2.42	0.48	2.20	2.47	44.41
1888...	8.75	1.86	3.12	3.24	4.74	3.73	4.33	8.34	4.76	0.30	2.00	1.93	47.10
1889...	3.11	3.05	2.22	7.60	6.15	.....	.....	3.95	4.59	2.55	5.33	4.62	.....
1890...	4.95	5.05	5.74	4.66	6.90	2.72	1.87	6.38	5.85	5.21	2.38	4.89	56.60
1891...	3.47	7.99	4.99	2.73	3.44	9.22	6.81	3.87	1.83	2.80	2.51	3.84	53.50
1892...	4.14	2.97	3.92	3.55	6.67	5.18	3.70	2.29	1.60	0.88	4.74	2.51	42.15
1893...	2.93	7.70	1.45	5.44	6.26	2.02	2.81	2.22	2.26	3.22	2.09	3.59	42.05
1894...	3.00	3.38	1.95	3.09	7.03	2.12	1.87	1.20	5.44	2.44	2.55	4.24	38.31
1895...	4.91	0.98	2.49	4.38	2.83	4.59	3.02	3.39	3.75	1.24	2.75	3.22	37.55
1896...	0.66	2.77	3.80	2.57	1.80	6.03	8.45	4.00	6.03	3.15	3.70	2.04	45.00
1897...	2.92	4.05	5.36	3.98	3.71	3.67	5.97	2.23	3.55	0.72	6.14	3.74	40.04
1898...	7.57	2.78	6.49	2.04	7.28	4.10	3.89	8.37	2.04	5.89	3.15	3.35	56.95
1899...	4.16	3.49	5.37	2.27	6.20	3.62	3.20	5.34	3.45	0.97	4.26	4.25	46.58
1900...	3.38	4.63	4.04	1.41	2.92	6.08	4.88	4.41	1.50	2.61	5.84	2.57	44.27
1901...	3.52	1.92	4.79	6.06	6.45	6.14	2.00	3.94	3.87	0.73	2.90	5.16	47.48
1902...	3.47	2.48	5.09	4.86	2.18	6.73	5.19	2.49	2.31	4.58	1.69	6.11	47.18
1903...	4.53	5.80	3.72	4.08	2.36	7.69	4.97	7.21	1.83	3.89	3.02	2.42	51.52
1904...	4.10	3.75	5.57	4.45	2.98	3.49	7.45	3.93	2.29	2.84	0.96	3.01	44.82
1905...	4.21	2.23	5.06	3.63	4.08	6.78	8.88	5.73	3.90	4.82	3.65	4.42	57.39
1906...	3.57	1.30	5.29	2.87	2.60	6.19	4.16	8.19	1.71	2.50	1.56	5.21	45.15
1907...	7.29	2.46	7.25	3.59	2.64	5.21	5.39	4.66	5.44	2.65	3.88	4.11	54.57
1908...	4.26	6.56	10.00	5.00	5.75	4.17	3.55	3.24	0.51	0.12	0.96	4.01	48.73
M'ns..	4.06	3.90	4.08	3.95	4.71	5.19	4.69	4.53	3.52	2.65	3.16	3.62	48.06

LOCK NO. 4, Washington Co., Pa. Elevation, 718 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1885...	......	......	......	......	......	......	......	.. ..	......	.. ...	......	......	.....
1886...	3.91	0.93	2.32	3.25	4.77	5.56	3.74	3.07	3.94	0.98	4.36	2.92	39.75
1887...	1.83	5.39	0.97	3.11	3.16	6.69	6.89	2.25	2.56	3.13	1.82	1.39	39.19
1888...	6.13	1.54	3.91	1.59	3.27	2.32	6.09	9.02	3.37	5.01	3.22	1.82	47.29
1889..	2.61	1.67	2.56	4.27	5.84	5.67	3.29	2.18	5.01	3.27	5.96	2.77	45.10
1890...	5.57	5.04	5.62	3.25	7.80	2.89	4.65	7.39	6.12	6.82	1.77	5.83	62.75
1891...	3.21	7.23	4.04	1.77	4.29	4.56	7.00	2.93	2.02	2.12	2.70	3.53	45.40
1892...	3.90	2.44	2.24	2.61	4.72	5.14	3.90	1.07	1.83	0.58	2.16	2.16	33.75
1893...	2.81	5.43	1.06	4.62	5.19	2.90	2.92	2.42	1.10	3.84	1.35	3.32	36.96
1894...	2.34	2.74	1.95	2.95	4.21	2.38	2.52	1.63	4.19	1.36	2.33	3.56	32.16
1895...	3.64	0.58	1.82	2.49	1.71	1.94	2.87	2.36	0.55	0.67	3.11	3.14	24.88
1896...	2.00	2.67	4.03	2.73	3.30	4.00	12.35	2.37	4.57	3.19	2.66	1.46	45.33
1897...	1.53	4.62	2.29	3.33	2.63	2.72	3.72	1.64	1.37	0.08	5.95	3.34	33.22
1898...	5.02	1.71	5.64	2.05	3.72	3.02	2.37	7.70	2.99	3.78	2.41	1.98	42.39
1899...	3.13	3.26	4.91	1.42	4.38	2.39	6.05	1.48	4.62	0.69	3.54	2.78	38.65
1900...	2.25	2.87	3.20	1.74	1.52	2.56	4.92	1.83	0.48	2.77	5.01	1.86	31.01
1901...	1.44	0.47	3.43	8.52	5.68	3.96	4.90	2.48	2.70	0.77	1.75	5.22	41.32
1902...	2.19	1.39	3.04	3.75	2.05	3.35	7.01	2.52	1.85	4.58	1.14	3.96	36.83
1903...	2.77	4.49	4.72	3.01	2.80	6.83	4.59	2.00	2.83	2.91	2.06	1.67	40.68
1904...	2.64	2.71	5.68	3.57	3.40	3.79	4.49	2.42	0.82	1.39	0.14	2.35	33.40
1905...	2.28	1.60	4.57	2.88	2.46	7.60	5.31	3.05	2.76	3.76	2.50	3.67	42.44
1906...	2.39	0.96	3.44	2.66	4.07	5.00	3.74	5.30	1.64	3.81	0.68	3.61	37.30
1907...	5.50	1.27	8.20	2.53	3.30	3.81	4.39	3.02	4.85	2.01	1.86	2.82	43.56
1908...	1.75	3.87	6.88	3.24	5.10	2.02	2.41	3.33	1.06	0.95	0.74	2.43	33.78
M'ns..	3.08	2.82	3.76	3.10	3.89	3.96	4.79	3.19	2.75	2.54	2.62	2.94	39.44

OIL CITY, Venango Co., Pa. Elevation, 1,006 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1877...	2.55	1.20	5.09	1.03	0.64	6.51	3.43	1.81	2.99	3.20	5.90	2.22	36.57
1878...	4.58	2.97	3.17	2.87	4.40	4.44	5.53	2.65	6.34	2.45	4.67	4.78	48.85
1879...	4.42	4.58	3.94	2.88	1.97	2.93	3.88	1.90	2.97	3.61	6.22	5.82	45.12
1880...	4.55	2.80	2.25	4.55	2.82	4.62	1.73	2.68	2.68	3.40	2.50	2.30	36.88
1881...	4.78	4.33	2.80	2.29	3.53	9.10	1.43	0.72	2.33	4.84	4.84	5.60	46.59
1882...	3.61	4.53	3.72	2.53	6.09	5.23	3.27	4.97	6.07	2.17	2.41	4.10	48.70
1883...	6.47	6.08	4.74	......	......	.....	.....	......	.....	......	......	... ...	......
......	......	......	......	.....	......	......	......	......	......	......	......	......	......
1887...	1.40	7.04	1.27	2.15	2.22	......	5.53	4.61	2.24	3.77	2.56	1.76	......
1888...	4.57	0.79	2.30	3.24	1.30	2.58	1.24	0.71	1.29	0.54	2.98	1.26	22.80
1889...	1.81	0.29	1.50	3.98	3.85	7.04	4.30	1.65	3.43	3.17	2.12	1.63	34.77
1890...	1.60	2.46	2.75	1.32	8.50	4.91	2.24	5.56	7.31	3.97	2.58	1.96	45.16
1891..	2.16	5.24	3.23	1.91	1.08	5.13	8.63	2.59	1.50	1.70	2.85	2.18	38.20
1892...	1.32	2.07	1.32	0.78	7.56	4.07	4.83	3.45	2.74	1.14	2.84	0.95	32.07
1893...	3.29	8.11	2.92	4.92	6.15	3.99	4.52	3.04	2.39	4.02	1.99	4.63	49.97
1894...	3.48	2.94	1.90	3.17	5.04	1.62	1.95	0.41	6.51	2.43	2.22	2.65	34.32
1895...	4.63	1.49	1.64	2.68	4.22	2.58	3.65	3.09	5.15	1.24	5.11	5.32	40.80
1896...	1.66	3.56	3.18	2.96	2.73	6.88	6.69	2.16	4.40	2.15	2.50	2.10	40.97
1897...	2.59	2.91	5.36	3.54	4.12	4.05	7.97	5.07	1.53	0.37	6.37	3.63	47.51
1898...	5.32	2.53	5.74	2.13	4.64	4.56	4.45	6.73	2.11	5.18	4.33	2.90	50.62
1899...	2.57	2.61	4.63	1.58	5.14	3.18	5.39	1.28	4.47	1.72	2.31	4.85	39.73
1900...	2.77	3.58	3.89	1.40	1.77	3.84	6.39	2.65	2.90	1.73	5.22	1.63	37.83
1901...	2.55	1.76	4.34	5.99	5.14	5.37	3.42	4.11	6.61	0.39	3.96	4.31	47.95
1902...	1.88	1.63	3.12	2.90	3.65	7.24	10.66	2.02	3.06	2.74	1.78	4.80	45.54
1903...	3.82	5.07	5.06	3.44	2.62	7.08	7.04	4.32	2.04	2.92	2.67	2.82	48.90
1904...	5.45	3.51	6.10	4.50	4.39	2.30	3.42	4.02	2.66	1.64	0.92	2.80	41.71
1905...	3.46	2.64	3.49	......	....	......	......	......	......	......	.....	......	......
M'ns..	3.36	3.34	3.44	2.87	3.90	4.75	4.61	3.01	3.57	2.52	3.41	3.21	41.99

PARKERS LANDING, Clarion Co., Pa. Elevation, 888 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1885...	6.49	1.22	0.70	3.00	4.56	4.20	7.40	9.26	2.78	4.47	2.11	1.90	48.09
1886...	2.60	1.68	2.14	4.12	1.34	3.68	2.86	2.01	4.06	0.68	4.43	2.92	32.52
1887...	1.50	7.43	2.08	2.71	2.42	3.04	3.80	3.41	2.13	0.94	2.61	1.18	33.25
1888...	5.20	1.76	2.09	2.19	5.45	......	......	.....	......	3.22	3.53	1.76	......
1889...	3.07	1.88	2.03	2.92	1.78	4.42	5.24	3.06	3.79	3.28	4.00	4.06	39.53
1890...	4.96	5.33	4.24	4.55	8.44	2.08	1.96	5.92	6.68	7.04	2.18	3.91	57.29
1891...	2.49	6.04	3.73	2.29	1.62	7.07	7.38	3.76	2.20	1.64	3.15	3.87	45.24
1892...	3.47	2.41	3.73	2.78	9.06	5.35	2.41	2.73	3.87	0.85	3.33	1.63	41.62
1893...	2.70	7.80	3.18	5.40	5.28	6.41	2.68	4.58	2.53	4.38	2.47	4.09	51.50
1894...	3.16	2.72	2.09	4.35	4.85	3.63	3.30	1.10	9.82	2.74	2.64	3.54	43.94
1895...	4.16	0.84	2.20	2.95	2.33	3.76	4.54	2.97	2.77	0.75	4.00	4.30	35.57
1896...	1.62	3.26	3.55	2.04	3.10	4.11	6.99	5.01	4.24	2.21	2.52	1.68	40.33
1897...	2.24	3.64	4.95	3.42	3.41	3.69	7.23	3.82	1.39	0.77	5.39	3.38	43.33
1898...	5.50	2.52	7.17	1.99	3.92	5.89	2.13	6.36	1.23	5.05	3.18	1.99	46.93
1899...	2.03	1.73	3.92	1.54	4.49	5.58	6.18	0.86	4.18	1.64	3.20	4.06	39.41
1900...	2.67	3.88	4.35	1.51	3.52	4.57	5.17	3.30	1.63	2.24	4.20	1.37	38.41
1901 ..	2.75	1.02	4.66	7.57	5.25	4.57	2.39	7.88	4.32	0.75	4.53	4.86	50.55
1902...	2.26	1.50	3.22	3.30	2.87	6.14	7.08	2.24	1.82	3.54	1.35	5.56	40.88
1903...	3.38	5.16	5.52	3.40	3.02	6.28	5.22	4.80	2.62	2.48	3.92	1.80	47.60
1904...	3.84	3.10	6.08	6.42	3.40	4.02	3.72	3.96	1.24	2.18	0.78	3.12	41.86
1905...	2.92	1.54	2.94	2.48	3.80	5.02	7.42	5.10	4.22	4.02	2.56	3.84	45.86
1906...	2.72	0.64	3.00	2.22	3.22	5.04	2.94	6.90	4.26	3.64	2.12	3.48	40.18
1907...	4.40	1.54	5.76	3.38	2.95	7.24	4.78	1.28	3.40	2.62	2.33	2.62	42.30
1908...	2.86	5.16	5.88	4.50	5.52	2.70	4.90	2.88	0.82	1.06	1.06	3.74	41.08
M'ns..	3.29	3.08	3.72	3.38	3.98	4.72	4.68	4.05	3.30	2.59	2.98	3.11	42.85

PITTSBURG, Allegheny Co., Pa. Elevation, 842 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1836...	.....	......	......	.....	......	.. ..	......	3.28	1.55	2.04	1.59	2.18	......
1837...	2.66	2.27	1.27	1.00	4.64	7.50	1.70	2.52	1.77	3.93	3.71	2.69	35.66
1838...	1.29	1.94	1.59	......	.....	.....	.....	......	......	......	.. .	....	......
1839...	1.40	1.80	1.76	1.80	2.08	2.25	2.40	1.50	3.75	0.60	2.70	3.28	25.32
1840...	1.33	1.33	3.47	2.18	2.93	3.70	1.57	3.89	2.12	2.68	1.71	1.73	28.64
1841...	2.74	0.07	4.77	3.82	2.40	4.97	1.73	4.01	1.85	2.31	2.77	3.41	34.85
1842...	2.75	2.88	3.75	4.64	2.86	4.96	4.90	3.91	2.20	2.09	1.72	3.79	40.45
1843...	2.70	3.31	3.27	2.33	4.05	3.83	1.87	2.32	6.44	3.46	2.87	2.26	38.71
1844...	2.20	0.93	3.04	1.79	4.89	4.02	2.44	4.47	2.57	2.85	1.85	1.50	32.55
1845...	2.85	1.50	3.04	2.51	1.18	4.04	3.74	3.06	3.39	3.37	2.02	1.19	31.89
1846...	2.92	2.73	2.02	3.76	4.62	4.05	7.15	6.05	1.95	4.78	2.60	5.16	47.79
1847...	3.01	2.86	3.47	2.55	3.64	5.32	4.18	3.26	3.92	4.76	4.27	4.98	46.22
1848...	1.31	0.50	3.20	2.45	5.51	3.03	3.69	2.27	2.08	2.11	3.11	4.88	34.14
1849...	2.43	1.31	3.85	0.83	5.83	2.84	1.26	3.26	1.26	3.86	3.97	4.11	34.81
1850...	3.76	3.45	2.74	2.59	3.30	2.62	2.82	1.27	3.62	4.29	2.19	4.76	37.41
1851...	0.35	3.01	1.43	2.83	3.57	2.04	4.30	2.66	2.62	1.45	3.67	1.71	29.64
1852...	1.80	3.34	2.03	9.27	3.84	2.76	2.55	2.76	3.09	2.24	2.67	5.01	41.36
1853...	1.56	3.53	1.11	4.16	3.27	1.32	2.74	6.56	2.34	2.04	2.90	2.10	33.63
1854...	2.23	2.33	2.82	4.21	2.24	2.06	1.45	1.13	1.76	2.89	1.88	1.67	26.67
1855...	2.15	1.77	3.08	2.60	2.33	7.58	5.57	3.57	4.79	1.54	5.07	3.28	43.33
1856...	2.64	1.80	1.73	2.29	2.52	3.99	2.71	1.60	1.95	2.05	1.97	1.34	26.59
1857...	1.86	1.56	1.03	2.50	6.34	5.14	2.89	4.65	2.20	3.66	3.52	3.61	38.96
1858...	1.15	2.78	0.99	4.29	6.60	4.30	3.60	1.90	1.03	2.40	2.37	4.77	36.18
1859...	0.43	2.67	3.83	4.79	2.00	3.02	1.87	5.00	2.74	3.00	1.69	4.77	35.71
1860...	1.75	1.25	1.19	6.56	3.69	2.17	3.09	3.82	1.81	4.45	3.96	2.04	35.78
1861...	1.96	2.65	1.80	3.48	2.70	1.75	4.69	3.00	5.70	......	1.81	0.44	......
1862...	3.60	1.20	2.87	2.79	2.49	4.00	2.60	1.20	1.51	3.45	2.10	1.57	29.30
1863...	3.91	2.33	2.69	2.17	2.11	3.38	1.42	2.26	2.72	3.43	2.45	2.75	31.62
1864..	1.48	1.77	4.82	3.24	4.46	2.10	2.55	8.29	8.25	......	3.93	2.75	... ..
1865...	2.75	1.37	4.83	3.20	5.36	5.48	6.26	5.54	7.56	3.21	1.48	3.46	50.50
1866...	......	......	......	.....	......	......	.....	......	7.50	4.90	4.46	2.75	......
1867...	2.58	4.11	4.30	2.90	......	......	......	......	......	......	......	......	......
......	.. ...	......	......	... ..	.....	......	......	......	......	.....	......	......	......
1872...	1.85	1.03	1.38	1.09	2.66	2.69	7.77	2.81	2.57	4.37	0.83	2.86	31.91
1873...	3.16	3.08	3.87	3.06	3.42	2.15	3.44	5.19	1.94	6.21	2.13	3.77	41.42
1874...	2.92	3.15	2.94	7.20	2.43	1.84	7.68	1.98	2.56	0.06	3.36	3.30	39.42
1875...	2.17	1.57	3.45	2.09	2.79	2.85	5.27	2.19	2.56	2.36	2.96	3.79	34.05
1876...	3.59	2.83	3.80	2.04	3.35	1.47	5.86	2.72	7.35	1.14	2.03	0.83	37.01
1877...	2.99	1.43	5.31	2.88	1.66	3.54	3.98	2.10	1.90	2.76	4.48	1.69	34.72
1878...	2.52	1.14	2.42	2.60	1.76	5.18	5.15	1.29	5.55	2.99	4.20	3.96	38.76
1879...	1.54	1.74	2.99	1.63	1.20	4.56	7.78	5.56	1.01	0.65	3.36	5.00	35.02
1880...	3.02	2.63	2.77	2.41	1.25	3.52	2.15	3.62	3.12	2.80	1.73	2.95	31.97
1881...	3.55	3.45	3.35	1.81	2.34	6.95	3.86	0.88	0.76	3.75	2.66	3.94	37.30
1882...	4.58	3.14	3.78	1.39	5.80	4.14	1.99	4.50	4.08	1.74	2.07	1.42	38.63
1883...	3.22	4.92	2.51	3.69	5.38	4.73	5.52	3.40	2.47	2.43	1.50	3.40	43.17
1884..	4.82	4.57	3.71	1.11	3.48	1.71	4.04	2.94	1.17	2.02	1.18	4.07	34.82
1885...	4.03	1.90	1.14	2.79	3.26	2.68	2.49	5.64	1.69	4.29	2.57	1.64	34.12
1886...	3.21	1.39	2.85	4.03	3.51	5.17	5.56	2.85	2.86	1.06	4.91	1.81	39.21
1887...	1.92	6.52	1.49	4.29	5.78	4.50	9.51	2.16	2.03	0.39	1.37	1.99	41.95
1888...	6.17	1.74	2.51	1.04	4.13	2.22	4.36	7.26	1.77	3.46	3.57	1.66	39.89
1889...	2.50	1.58	2.32	3.62	6.45	4.93	5.48	1.88	2.87	2.06	4.61	3.07	41.37
1890...	4.18	5.52	3.86	4.87	5.85	3.37	2.22	4.06	4.24	5.66	1.14	5.64	50.61
1891...	2.43	6.09	3.11	1.18	3.23	3.90	7.65	1.60	1.90	1.53	2.61	3.05	38.28
1892...	3.29	1.85	2.29	2.93	3.77	4.15	5.88	2.22	2.04	0.51	1.81	1.92	32.66
1893...	2.36	4.74	1.17	4.94	4.50	2.87	5.08	2.94	1.86	3.22	1.46	2.70	37.84
1894...	2.02	2.98	2.41	3.63	4.63	0.61	1.16	0.43	3.68	1.72	1.80	3.10	28.17
1895...	4.16	0.77	1.73	1.83	1.97	2.26	2.11	4.29	1.83	1.11	2.24	3.20	27.50
1896...	1.63	2.89	4.13	3.39	3.91	4.79	8.96	4.09	4.17	2.26	2.76	1.37	44.35
1897...	1.34	4.30	3.50	3.34	2.70	2.97	4.52	2.08	1.65	0.13	5.11	3.44	35.08
1898...	3.40	1.60	5.45	1.60	3.99	3.98	2.56	4.01	1.06	3.85	2.34	1.92	35.76
1899...	3.41	2.68	3.37	2.59	3.26	3.72	3.13	2.57	2.66	2.10	2.12	2.24	33.85
1900...	1.54	2.86	2.35	1.25	1.34	3.25	3.42	0.84	1.01	2.24	3.64	1.99	25.73
1901...	1.98	0.91	3.69	8.11	5.80	4.41	2.84	4.04	1.96	0.38	1.80	4.84	40.76
1902...	1.49	1.45	4.15	2.70	2.30	5.79	2.94	1.61	2.21	2.79	1.08	3.71	32.22
1903...	2.33	3.99	4.29	2.82	1.67	5.27	5.66	4.71	1.04	2.88	2.60	1.55	38.81
1904...	2.31	2.00	5.11	3.02	3.48	5.76	2.72	2.36	2.35	2.09	0.22	2.34	33.76
1905...	2.36	1.41	3.03	2.07	2.71	6.64	3.01	3.11	2.41	3.54	1.80	3.02	35.19
1906...	1.84	1.09	3.85	1.70	2.08	4.08	4.18	2.96	3.10	2.94	0.95	2.52	31.29
1907...	5.58	0.74	5.24	1.99	1.79	3.17	4.95	1.89	3.25	1.64	1.59	3.03	34.86
1908...	1.65	2.89	5.22	3.59	3.84	1.14	5.07	2.48	0.71	0.95	0.69	1.94	30.17
M'ns..	2.54	2.40	3.00	3.04	3.48	3.58	3.86	3.28	2.84	2.68	2.56	2.91	36.17

SAEGERSTOWN, Crawford Co., Pa. Elevation, 1,116 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892...	5.00	4.24	2.27	1.73	8.95	7.73	3.50	4.76	3.44	2.93	3.97	2.90	51.42
1893...	4.06	8.23	2.94	4.43	8.89	3.25	2.13	5.20	0.72	3.00	3.04	3.71	49.60
1894...	2.57	2.70	1.74	2.55	4.92	1.59	1.47	0.98	6.14	2.31	2.61	2.39	31.97
1895...	3.92	2.38	1.14	1.40	3.60	0.69	3.15	6.03	5.41	1.58	4.21	4.44	37.95
1896...	1.33	4.10	3.42	2.95	1.66	6.97	5.48	3.29	4.31	2.25	3.71	2.01	41.48
1897...	3.26	2.41	3.59	2.22	3.95	3.58	14.51	6.63	1.55	0.50	6.51	3.49	52.20
1898...	4.87	3.02	4.30	2.08	4.00	5.12	3.62	8.25	3.31	4.20	4.78	3.09	50.64
1899...	2.67	2.03	3.63	1.34	5.95	2.14	5.84	0.54	5.25	0.79	2.05	5.30	37.53
1900...	2.71	6.96	2.81	1.58	2.78	3.13	4.77	1.74	2.81	2.87	5.95	2.89	41.00
1901...	2.52	1.74	5.21	4.83	4.62	5.63	2.25	7.15	6.53	1.28	3.80	3.33	48.89
1902...	2.43	1.49	2.41	4.21	4.36	6.11	9.28	1.91	3.61	3.99	2.03	4.11	45.94
1903...	2.88	4.58	4.44	3.44	2.71	4.85	5.54	8.05	1.48	5.07	2.98	2.61	48.63
1904...	4.60	3.28	6.46	3.92	6.22	3.90	4.54	3.52	3.61	3.15	1.25	2.43	46.88
1905...	2.14	1.97	2.47	3.07	4.01	4.71	5.17	6.04	3.02	4.08	3.29	2.35	42.32
1906...	1.63	1.22	3.57	3.21	3.08	5.64	3.28	3.17	6.57	6.71	2.93	3.93	44.94
1907...	5.29	1.42	3.80	3.10	3.75	7.49	3.75	2.67	5.35	4.56	3.80	3.94	48.92
1908...	3.03	4.48	4.16	4.13	7.23	2.90	3.36	1.22	0.79	1.40	1.76	4.32	38.78
M'ns..	3.23	3.31	3.43	2.95	4.75	4.44	4.80	4.19	3.76	2.98	3.45	3.37	44.65

SOMERSET, Somerset Co., Pa. Elevation, 2,250 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1840...	2.10	1.71	1.86	4.70	3.97	3.06	3.35	3.41	1.55	2.97	1.67	3.04	33.39
1841...	2.08	1.00	2.17	2.54	2.83	5.50	2.43	0.80	3.38	1.96	3.00	3.66	32.35

SOMERSET, Somerset Co., Pa. Elevation, 2,250 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1846...	4.51	3.70	1.88	2.96	6.61	6.80	3.03	3.54	3.05	3.11	4.23	1.10	44.52
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1856...	......	......	......	......	3.29	3.95	1.54	4.24	1.56	2.43	3.40	1.62	......
1857...	......	......	......	......	......	......	2.96	5.13	3.28	3.31	2.38	4.28	......
1858..	0.98	2.22	1.13	3.96	8.39	4.03	3.07	1.32	1.34	2.06	3.91	4.94	37.35
1859...	1.66	4.39	3.28	5.54	1.66	3.86	1.76	3.71	4.68	1.16	1.26	3.90	36.86
1860...	2.68	1.67	1.57	5.78	6.73	3.18	5.16	5.12	2.57	5.44	6.09	3.33	49.32
1861...	2.80	1.71	2.09	4.34	4.04	2.42	3.60	3.52	5.45	3.94	5.01	1.15	40.07
....	......	......	......	......	......	......	......	......	......	......	......	......	......
1888...	6.40	1.34	3.25	2.54	5.85	2.76	4.30	7.68	3.26	5.47	2.74	2.21	47.80
1889...	3.48	3.13	2.52	4.55	8.32	3.87	5.06	3.35	2.94	2.61	7.22	4.29	51.34
1890...	5.60	4.51	5.42	3.16	8.90	4.93	2.36	7.90	7.84	7.12	3.00	5.52	66.26
1891...	5.51	5.50	5.37	1.13	4.10	5.20	4.68	5.02	4.12	2.45	2.45	4.60	50.13
1892...	3.05	2.95	3.85	4.43	5.28	4.40	3.97	2.09	1.42	0.32	6.17	3.32	41.25
1893...	3.68	8.38	1.67	5.46	7.30	2.02	3.37	3.93	3.26	3.02	1.16	1.75	45.00
1894...	3.19	5.20	1.85	10.00	14.33	3.32	3.50	1.05	3.12	3.20	2.70	5.69	57.15
1895...	6.36	1.56	3.34	2.58	1.88	2.80	2.94	2.79	0.50	1.18	2.66	2.89	31.48
1896...	1.71	4.24	4.72	3.27	3.01	7.68	10.55	2.75	6.50	2.72	3.84	2.62	52.61
1897...	3.01	6.67	5.86	3.99	4.65	2.56	4.89	3.11	1.38	0.32	5.86	5.50	47.80
1898...	6.87	3.11	5.38	4.51	3.91	2.44	4.72	9.31	1.87	5.37	2.91	4.79	55.19
1899...	4.20	4.39	5.76	2.83	4.96	4.45	4.60	4.71	7.18	2.79	2.21	3.05	51.13
1900...	3.44	5.69	7.31	2.80	3.67	10.29	4.31	4.80	0.60	2.15	6.46	4.16	55.68
1901...	4.41	2.58	7.21	7.85	7.23	3.73	4.60	4.98	3.83	0.90	2.63	5.49	55.44
1902...	5.15	5.65	7.50	7.14	3.85	4.45	4.74	2.72	1.69	4.25	2.44	6.81	56.39
1903...	4.13	5.16	4.84	4.52	2.12	7.25	4.80	3.93	1.30	2.99	1.62	2.54	45.20
1904...	5.82	4.29	5.10	5.81	3.46	6.26	7.44	2.36	2.72	1.91	1.80	3.47	50.44
1905...	4.80	2.07	3.90	4.46	4.84	8.35	6.19	9.57	2.35	5.29	3.05	4.51	59.38
1906...	5.28	1.79	7.35	3.26	2.85	6.53	4.60	11.17	3.57	2.47	3.08	4.75	56.70
1907...	7.77	3.26	7.28	4.42	5.00	7.60	6.24	5.05	5.02	1.77	6.22	4.42	64.05
1908...	5.33	7.72	7.50	5.25	7.26	3.12	5.17	1.80	0.91	0.55	1.97	3.29	49.87
M'ns..	4.14	3.77	4.32	4.42	5.22	4.72	4.30	4.33	3.07	2.84	3.44	3.75	48.32

UNIONTOWN. Fayette Co., Pa. Elevation, 999 feet.

1888...	5.69	1.26	3.00	1.42	4.72	4.65	7.10	10.23	2.84	5.16	3.36	2.67	52.10
1889...	2.34	2.43	3.60	4.47	6.93	7.36	4.81	3.86	3.79	3.31	8.90	2.76	54.56
1890...	6.10	4.73	6.27	3.90	8.03	4.33	5.65	8.44	6.73	7.41	2.25	6.84	70.68
1891...	3.41	6.64	4.22	2.18	3.35	8.63	5.75	3.85	2.23	2.99	3.65	4.22	51.12
1892...	4.34	2.62	2.49	3.23	6.48	7.70	7.11	2.40	2.21	1.05	3.50	1.55	44.68
1893...	2.23	4.23	0.98	6.11	5.68	2.34	......	......	1.30	3.22	2.34	4.11	.....
1894...	2.88	3.35	2.90	3.56	6.82	1.40	2.77	1.42	5.77	2.41	2.96	5.19	41.43
1895...	4.89	1.39	3.86	4.12	2.07	4.55	5.61	3.76	1.22	1.44	2.87	2.87	38.65
1896...	2.14	3.15	4.61	2.62	3.16	3.12	15.59	2.82	3.78	3.64	3.22	1.61	49.46
1897...	1.93	5.73	.....	4.63	4.52	2.98	6.83	2.15	1.92	0.22	6.24	4.30	......
1898...	5.62	1.73	5.26	4.19	3.46	3.27	6.06	6.13	1.54	5.83	3.99	3.64	50.72
1899..	4.28	4.51	5.67	1.37	5.09	3.07	6.44	3.38	8.17	1.76	3.18	3.82	50.74
1900...	2.32	3.96	4.54	1.85	2.72	5.67	6.55	5.20	....	4.15	6.92	2.21	......
1901...	3.00	0.67	4.86	8.55	6.25	7.61	2.38	3.68	4.46	0.46	3.74	7.12	52.78
1902...	2.57	2.66	5.66	5.48	3.10	5.95	6.81	2.63	3.01	3.65	1.59	4.75	47.86
1903...	1.68	4.73	3.84	3.55	2.56	6.03	4.32	3.25	1.21	2.92	2.15	1.81	38.05
1904...	2.83	2.61	4.32	3.72	3.64	2.52	3.29	3.61	1.99	1.27	0.25	1.89	31.94
1905...	3.64	1.36	.....	2.84	3.18	5.26	5.21	3.70	2.03	5.56	3.00	5.48	....
1906...	4.35	1.88	5.15	2.41	1.77	3.95	2.00	8.23	2.69	2.87	1.73	5.62	42.65
1907...	6.52	3.17	7.89	2.15	3.64	5.20	6.41	4.80	4.24	3.08	3.83	3.67	54.60
1908...	2.21	4.14	6.84	4.83	5.11	4.16	2.66	4.02	0.63	0.57	0.67	2.91	38.75
M'ns..	3.57	3.19	4.09	3.68	4.39	4.75	5.67	4.38	3.09	3.00	3.35	3.76	46.92

WARREN, Warren Co., Pa. Elevation, 1,137 feet.

1889...	2.77	1.44	0.77	5.00	1.76	3.86	5.42	3.41	3.67	3.66	3.53	4.47	39.76
1890...	4.34	3.68	3.66	5.09	8.19	4.71	2.24	5.97	8.70	6.62	2.82	2.20	58.22
1891...	2.27	5.88	2.54	1.70	1.97	3.58	12.54	4.74	2.66	3.10	5.79	4.60	51.37
1892...	2.03	3.20	1.46	1.98	9.96	7.91	4.20	4.83	2.52	2.36	3.86	2.36	47.57
1893...	2.76	5.51	3.01	4.10	6.28	4.82	1.79	6.44	1.28	3.53	3.28	5.91	48.71
1894...	3.03	2.89	1.87	3.03	9.21	3.09	2.88	1.31	6.14	3.30	3.64	2.87	43.26
1895...	3.22	0.94	1.42	3.05	2.36	2.70	2.92	4.65	2.12	1.82	5.73	2.61	33.54
1896...	1.32	3.62	3.86	2.69	3.23	4.07	6.38	2.99	6.03	2.72	2.64	1.68	41.23
1897...	2.27	1.53	2.60	3.21	4.20	2.50	6.15	4.09	1.63	0.13	6.60	2.60	37.51
1898...	2.75	1.69	3.82	3.02	4.23	5.95	2.90	7.73	2.63	5.13	4.30	3.17	47.32
1899...	3.40	3.38	4.35	1.64	6.40	2.58	5.73	1.39	7.19	1.44	1.92	6.00	45.42
1900...	4.37	4.66	2.38	2.09	2.16	4.11	6.07	3.63	1.56	2.29	5.85	2.17	41.34
1901...	3.06	1.18	3.66	2.53	3.66	4.62	6.00	8.82	3.59	1.29	5.00	3.10	46.51
1902...	1.26	1.57	1.36	2.51	4.45	5.79	9.90	0.68	4.29	2.89	1.40	4.57	40.67
1903...	2.55	1.80	4.09	3.24	3.68	4.28	6.06	4.46	2.32	3.66	2.71	2.00	40.85
1904...	2.52	2.47	5.94	4.27	7.50	1.95	8.06	3.07	4.28	2.38	1.21	2.20	45.85
1905..	3.47	0.98	4.04	4.09	3.47	6.25	8.84	3.88	3.67	5.13	3.45	3.88	51.15
1906...	1.95	0.58	4.63	2.20	2.07	2.93	3.41	2.67	4.74	5.08	1.32	5.11	36.69
1907...	4.71	0.86	2.97	3.42	4.78	4.69	3.00	2.24	5.26	3.82	2.98	3.00	41.73
1908...	3.14	4.79	3.64	3.86	5.00	4.16	3.40	1.66	1.40	0.52	1.64	2.85	36.06
M'ns..	2.90	2.63	3.10	3.14	4.73	4.23	5.39	3.93	3.78	3 04	3.48	3.37	43.72

MOUNDSVILLE, Marshall Co., W. VA. Elevation, 640 feet.

1902...	1.76	1.68	3.77	3.32	2.13	3.88	5.91	2.33	3.48	3.14	2.75	5.35	39.50
1903...	2.34	5.35	3.67	3.76	1.98	3.97	4.32	1.58	0.40	2.17	1.95	2.73	34.22
1904...	1.36	1.07	4.75	2.30	3.26	3.82	4.74	2.49	1.28	1.60	0.24	2.99	29.90
1905...	1.78	2.00	3.71	1.97	3.02	4.43	3.39	3.11	2.69	4.72	2.69	3.74	37.25
1906...	2.54	1.40	5.63	3.41	2.11	4.21	3.99	3.21	2.53	3.19	1.32	4.35	37.89
1907...	5.77	1.24	8.18	3.25	4.28	3.85	9.27	2.68	4.41	3.02	1.81	2.62	50.38
1908...	1.19	2.24	5.44	4.08	4.72	2.43	4.03	3.80	0.59	2.10	0.67	1.31	32.60
M'ns..	2.39	2.14	5.02	3.16	3.07	3.80	5.09	2.74	2.20	2.85	1.63	3.30	37.39

NEW CUMBERLAND, Hancock Co., W. VA. Elevation, 987 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893...	1.10	6.51	1.21	4.10	3.52	4.13	2.89	4.08	......	......	......	......	......
1894...	......	......	......	......	......	......	......	0.27	3.60	1.81	2.78	3.87	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1898...	......	......	......	......	......	4.00	6.40	5.10	1.47	3.73	2.89	1.03	......
1899...	2.33	2.25	3.54	2.30	4.14	6.58	5.91	2.85	3.76	2.81	2.58	2.60	41.65
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1901...	1.70	0.80	4.63	8.30	5.30	6.53	3.25	5.60	2.72	0.35	1.75	4.03	44.96
1902...	1.45	1.13	3.73	2.57	2.12	7.08	5.08	3.25	1.60	2.45	1.23	2.95	34.64
1903...	2.00	6.55	3.40	2.70	1.88	4.55	2.55	5.02	1.10	3.10	2.38	2.15	37.38
1904...	3.30	1.82	5.61	2.43	3.49	4.67	4.18	3.60	1.53	1.25	0.55	2.45	34.88
1905...	1.48	2.87	3.15	2.38	6.30	6.70	4.10	2.73	4.15	4.40	2.17	2.10	42.53
1906...	1.40	0.75	3.04	2.10	3.05	7.30	6.70	4.68	3.10	3.02	0.67	1.83	37.64
1907...	4.84	0.67	3.95	3.80	2.50	3.88	7.80	2.14	3.44	3.10	2.20	0.70	39.02
1908...	0.50	1.87	6.57	4.45	3.10	2.25	4.75	2.15	0.75	2.30	0.93	2.08	31.70
M'ns..	2.01	2.52	3.88	3.51	3.54	5.24	4.87	3.46	2.47	2.57	1.83	2.34	38.24

WHEELING, Ohio Co., W. VA. Elevation, 645 feet.

1884...	3.60	4.43	3.41	1.27	5.17	1.90	2.60	3.45	1.77	1.51	1.50	4.21	34.82
1885...	4.54	1.84	1.51	2.56	3.55	2.41	1.86	5.85	1.60	3.64	2.06	1.59	33.01
1886...	3.58	1.54	3.51	2.62	3.33	3.98	4.27	4.61	4.65	0.96	5.38	4.48	42.91
1887...	2.05	3.89	0.65	3.05	1.83	4.92	3.73	5.28	1.91	0.50	1.88	1.88	31.57
1888...	4.88	1.81	2.80	1.28	4.77	1.97	9.68	7.29	3.18	4.28	4.78	2.59	49.31
1889...	2.87	1.74	1.31	2.37	3.34	3.71	2.05	1.88	2.65	2.02	4.70	2.87	31.51
1890...	5.05	4.70	5.26	6.21	6.65	6.89	2.73	6.88	7.24	7.36	1.33	3.98	64.28
1891...	3.03	6.58	3.80	1.42	3.13	4.29	7.10	2.61	1.63	1.56	3.26	2.80	41.21
1892..	3.63	1.74	3.82	3.30	6.77	6.25	5.48	1.87	2.52	0.84	2.15	1.13	39.50
1893...	2.40	5.62	1.12	4.40	4.69	3.93	0.83	4.10	0.95	4.16	1.70	3.08	36.98
1894...	1.43	2.83	1.92	3.28	3.60	1.26	1.70	1.00	2.07	1.63	1.89	4.02	26.63
1895...	4.56	0.64	2.32	1.90	1.18	1.83	3.79	3.28	1.77	1.05	2.95	4.04	29.31
1896...	1.84	1.71	3.39	3.16	3.47	5.63	11.08	1.57	3.91	2.15	1.57	1.61	41.09
1897...	1.38	3.00	3.95	3.95	2.17	2.76	4.42	2.00	0.61	0.07	6.47	3.18	33.96
1898...	4.97	2.50	5.15	3.72	3.63	2.98	5.81	7.82	3.24	3.37	2.66	3.08	48.93
1899...	3.50	3.18	4.76	2.06	3.77	4.35	3.72	1.21	2.90	1.41	3.19	3.13	37.18
1900...	2.23	3.21	3.37	1.92	2.77	3.46	3.85	2.28	0.87	1.17	4.69	1.56	31.38
1901...	1.80	0.82	3.43	9.01	5.55	5.53	3.19	5.09	3.76	0.19	1.71	4.77	44.85
1902...	1.56	1.33	3.46	4.47	2.05	4.47	7.36	3.77	2.73	3.53	1.79	5.38	41.90
1903...	1.86	2.73	3.09	2.04	2.16	7.48	2.57	1.95	0.57	3.77	2.08	1.36	31.66
1904...	2.07	1.03	2.39	1.57	3.25	3.06	5.63	2.02	0.92	1.94	0.25	1.99	26.12
1905...	1.71	1.65	5.58	2.48	4.38	5.86	3.23	3.05	3.50	3.77	3.01	1.25	39.47
1906...	1.36	0.70	1.98	2.38	1.16	5.81	5.75	4.36	2.73	2.50	0.75	3.10	32.58
1907...	3.02	0.73	4.24	1.52	1.97	3.13	9.13	2.25	5.37	2.84	1.73	1.50	37.43
1908...	1.42	2.26	4.61	1.87	6.55	1.62	6.34	2.34	0.70	2.45	0.86	1.69	32.71
M'ns..	2.81	2.49	3.23	2.95	3.64	3.98	4.72	3.51	2.55	2.35	2.57	2.81	37.61

Greatest Precipitation in 24 hours.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Confluence	1.68	1.37	1.98	2.21	2.50	1.80	3.40	2.00	1.84	2.00	1.93	1.77	3.40
Johnstown	1.80	2.25	2.70	1.98	2.34	2.50	2.26	4.49	2.72	2.32	1.96	2.06	4.49
Parker	1.20	1.70	2.00	2.80	2.10	3.60	2.50	3.75	4.81	1.87	2.54	2.10	3.75
Pittsburg	2.34	2.01	2.04	2.60	2.96	2.52	3.85	3.65	4.08	1.98	1.85	2.44	4.08
Warren	1.10	1.10	1.60	1.50	3.20	2.17	2.22	3.18	3.56	1.26	1.55	2.03	3.56
Wheeling, W. Va	1.00	1.65	1.60	2.79	1.50	2.49	2.25	1.94	2.00	1.26	1.40	1.97	2.79
Erie	1.74	3.35	1.65	1.81	4.71	3.64	2.45	3.11	3.40	2.20	2.07	1.95	4.71

Average number of Rainy Days.

(.01 inch or more precipitation).

Confluence	16	15	16	14	14	12	14	12	9	9	12	14	157
Johnstown	19	18	19	15	16	15	14	11	10	11	15	17	180
Parker	14	12	14	11	12	11	11	9	8	9	12	13	136
Pittsburg	16	14	15	13	13	11	13	10	9	10	13	15	152
Warren	16	12	14	12	12	11	11	9	9	10	13	15	144
Wheeling, W. Va	10	9	11	11	12	11	11	8	7	7	9	9	115
Erie	18	15	15	13	13	12	10	9	11	14	16	18	164

Average (or Normal) Snowfall (unmelted).

Aleppo	12.3	8.2	4.9	1.4	0	0	0	0	0	T.	1.6	6.5	34.9
Greenville	13.4	12.6	6.7	1.5	0.1	0	0	0	0	1.4	3.5	12.9	52.1
Johnstown	14.1	14.8	7.5	1.2	T.	0	0	0	0	0.1	3.1	9.1	49.9
Pittsburg	8.2	7.3	6.3	2.2	T.	0	0	0	0	T.	1.5	6.9	32.4
Warren	15.7	10.4	6.6	3.7	0.4	0	0	0	T.	1.0	6.3	13.7	57.8
Wheeling	6.5	5.8	5.6	0.9	T.	0	0	0	0	T.	0.9	4.8	24.5
Erie	13.1	10.1	7.0	2.8	T.	0	0	0	0	0.9	4.9	10.8	49.6

Greatest and Least Precipitation.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Confluence	9.69	8.00	7.64	6.37	6.64	9.91	12.11	8.26	10.09	8.06	6.68	7.08	60.19
"	1.09	0.63	1.36	1.56	1.49	1.62	2.34	0.08	0.68	0.08	0.43	1.52	31.38
Johnstown	8.75	10.72	10.00	7.60	7.28	9.22	8.88	8.37	6.03	5.89	6.14	6.11	57.39
"	0.66	0.98	1.26	1.41	0.90	2.02	1.87	1.20	0.51	0.12	0.96	1.93	37.55
Parker	6.49	7.80	7.17	7.57	9.06	7.24	7.42	9.26	9.82	7.04	5.39	5.56	57.29
"	1.50	0.64	0.70	1.51	1.34	2.08	1.96	0.86	0.82	0.68	0.78	1.18	32.52
Pittsburg	6.17	6.52	5.45	8.11	6.45	6.95	9.51	7.26	7.35	6.21	5.11	5.64	50.61
"	1.34	0.74	1.14	1.04	1.20	0.61	1.16	0.43	0.71	0.06	0.22	0.83	25.73
Warren	4.71	5.88	5.94	5.09	9.96	7.91	12.54	8.82	8.70	6.62	6.60	6.00	58.22
"	1.26	0.58	0.77	1.64	1.97	1.95	1.79	0.68	1.28	0.13	1.21	1.68	33.54
Wheeling, W. Va.	5.05	6.58	5.58	9.01	6.77	7.48	11.08	7.82	7.24	7.36	6.47	5.38	64.28
"	1.36	0.64	0.65	1.27	1.16	1.25	0.83	1.00	0.57	0.07	0.25	1.13	26.12
Erie	6.20	8.50	5.22	3.99	8.05	6.84	7.63	7.97	8.45	8.17	8.35	6.44	55.04
"	1.09	0.33	0.77	1.08	1.04	1.22	0.76	0.07	0.54	1.18	0.40	0.75	26.72

Normal Monthly and Annual Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Aleppo	8	29.8	27.0	43.5	48.6	61.2	67.2	72.3	70.2	65.3	53.3	40.7	31.7	50.9
Franklin	12	26.2	23.4	38.2	46.1	58.4	66.0	71.4	68.7	64.0	52.4	39.7	29.1	48.6
Greenville	13	27.0	25.3	36.9	45.8	57.7	66.7	70.5	67.2	62.0	49.6	38.4	31.0	48.2
Indiana	11	28.8	28.1	39.1	49.6	60.0	66.9	70.5	69.2	63.8	51.0	40.9	30.7	49.9
Johnstown	18	29.8	28.8	39.9	49.5	61.3	69.5	73.3	71.2	65.4	53.3	41.6	32.7	51.4
Pittsburg	33	30.7	31.8	39.5	51.0	62.6	71.1	74.6	72.5	66.1	54.9	42.9	34.7	52.7
Uniontown	21	32.2	31.1	40.9	50.6	61.7	70.3	73.1	71.6	66.0	54.0	43 2	35.0	52.5
Warren	12	25.1	22.7	35.3	44.0	56.7	64.8	69.7	67.2	62.2	50.9	39.0	27.8	47.1
Wheeling, W. Va	29	33.3	36.5	42.7	55.6	67.2	75.0	79.0	76.7	69.8	57.9	45.5	36.5	56.3
Erie	33	26.5	26.1	33.1	44.7	57.3	67.0	71.8	69.9	63.9	53.1	41.1	31.7	48.8

Highest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extremes.
	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Aleppo	8	75	70	82	87	90	93	97	95	94	89	78	70	97
Franklin	12	73	71	82	89	91	92	100	94	93	89	72	66	100
Greenville	13	72	65	81	84	94	95	97	96	92	83	74	65	97
Indiana	10	75	70	84	87	91	94	95	97	94	84	78	67	97
Johnstown	18	78	73	86	91	94	102	100	98	96	89	80	67	102
Pittsburg	34	75	77	82	90	95	98	103	100	102	91	79	73	103
Uniontown	21	78	77	84	89	91	95	98	96	92	90	78	71	98
Warren	12	72	68	81	89	91	98	95	92	96	86	74	68	98
Wheeling, W. Va	29	71	78	83	92	96	100	104	102	100	93	77	71	104
Erie	36	73	70	81	85	91	92	94	94	92	87	74	70	94

Lowest Temperature.

	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Aleppo	8	-17	-14	0	16	27	36	43	40	30	17	7	-11	-17
Franklin	12	-30	-22	-11	6	22	32	39	42	23	16	0	-10	-30
Greenville	13	-24	-19	-8	11	25	33	38	37	26	19	9	-8	-24
Indiana	10	-12	-22	-8	13	26	35	40	39	27	21	7	-3	-22
Johnstown	18	-15	-17	-4	16	28	37	42	41	31	21	7	-4	-17
Pittsburg	34	-12	-20	1	14	27	39	49	45	35	20	4	-9	-20
Uniontown	21	-10	-22	-10	15	29	38	44	43	32	20	13	-5	-22
Warren	12	-26	-24	-10	8	24	34	41	37	26	18	2	-8	-26
Wheeling, W. Va	29	-10	-16	4	22	34	44	48	49	36	25	6	-4	-16
Erie	36	-15	-16	-1	11	31	40	47	47	36	23	6	-11	-16

Average number of days with maximum 90° or above.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Erie	0	0	0	0	0	0	1	0	0	0	0	0	2
Pittsburg	0	0	0	0	0	3	5	5	2	0	0	0	16

Average number of days with minimum of 32° or below.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Erie	25	26	22	8	0	0	0	0	0	1	10	22	119
Pittsburg	24	21	17	5	0	0	0	0	0	1	11	21	100

Greatest Monthly and Annual Range of Temperature.

Erie	68	80	73	68	57	52	44	47	54	55	65	71	107
Pittsburg	73	80	74	69	64	55	49	49	58	62	66	78	116

Relative Humidity (Mean of 8 a. m. and 8 p. m).

Erie	80	82	80	72	73	73	70	71	72	72	74	78	72
Pittsburg	77	76	73	68	68	70	68	70	71	71	73	75	72

Killing Frosts.

Stations.	Average date of first in autumn.	Average. date of last in spring.	Earliest date in autumn.	Latest date in spring.
Aleppo	Oct. 7	May 9	Sept. 25, 1903.	May 28, 1907.
Erie	Oct. 31	April 20	Oct. 12, 1891.	May 17, 1895.
Franklin	Oct. 11	May 17	Sept. 23, 1904.	June 12, 1906.
Pittsburg	Oct. 18	April 22	Sept. 29, 1893.	May 29, 1894.
Wheeling, W. Va	Oct. 25	April 15	Oct. 1, 1899.	May 7, 1906.

Prevailing Wind Direction.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Erie	sw.	w.	w.	w.	w.	w.	w.	s.	s.	s.	sw.	sw.	w.
Pittsburg	w.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	w.	w.	nw.

Average Hourly Wind Movement. (Miles per hour).

Erie	12.7	12.4	12.0	10.9	9.6	8.4	8.6	8.0	9.7	10.9	13.0	13.4	11.0
Pittsburg	7.7	7.8	7.8	7.0	6.1	5.8	5.3	4.9	5.4	6.0	7.2	7.6	6.6

Highest Velocities (For five minute period).

Stations.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extreme.
Erie	(Velocity)	56	66	55	60	60	41	56	40	45	48	55	51	66
	(Direction)	sw.	se.	s.	se.	se.	nw.	w.	w.	sw.	s.	se.	se.	se.
Pittsburg	(Velocity)	66	56	67	60	55	52	52	46	44	48	49	54	67
	(Direction)	w.	w.	w.	w.	sw.	w.	nw.	w.	sw.	w.	w.	w.	w.

DAILY PRECIPITATION AND RIVER DATA DURING HIGH WATER STAGES OF JAN. 1904 AND MARCH 1907.

Owing to the rapid drainage and consequent suddenness with which flood waters accumulate in the larger tributaries, the upper Ohio basin is one of the most important river districts in the United States. The most destructive floods occur during the winter season or early in spring when moderately heavy, warm rains melt the snow rapidly and break up the ice in the rivers. Rains, when not supplemented by melting snows, seldom raise the streams to the flood stage, and consequently there is but little danger to be apprehended when the snow covering is light or even during quite heavy, late spring and summer rains. Tabular data showing river stages during the floods of January 1904 and March 1907, together with the corresponding daily rainfall, follow herewith. For study in this connection it is believed the following information will be of interest and value.

The Allegheny river has a total length of 325 miles and a drainage area of 9728 square miles. At Warren, 177 miles from its mouth the streams width is 450 feet, and zero of the gage is 1187 feet above sea level. At Franklin, 68 miles below Warren, the stream has a width of 700 feet, and zero of the gage an elevation of 957 feet. From Franklin to Parker, a distance of 41 miles, the fall is 108 feet, while at the latter place the stream is only 500 feet in width. Freeport is at the mouth of the Conemaugh river, 44 miles below Parker and 29 miles above Pittsburg. The fall from Parker to Freeport is very rapid, being 208 feet in the 44 miles, and the river widens out to 750 feet at Freeport.

The Conemaugh river has a length of 75 miles and a drainage area of 1890 square miles. It is a rapid stream, the fall from Johnstown to Freeport, a distance of 64 miles, being 407 feet. From Johnstown to Saltsburg, 42 miles, the fall is 320 feet or nearly 8 feet to the mile. The width of the stream at Johnstown is 188 feet and at Saltsburg it is 332 feet.

The Youghiogheny is 98 miles in length, with a drainage area of 1750 square miles. At Confluence, 59 miles above its mouth, the stream has a width of 380, and the elevation of zero on the gage is 1324 feet. It is a much more rapid stream than the Conemaugh, the fall from Confluence to West Newton, a distance of 44 miles, being 578 feet, or a little more than 13 feet to the mile.

The Monongahela is 175 miles in length, with a drainage area of 7269 square miles. It is the slowest of all the tributaries of the upper Ohio, the fall from Greensboro to Pittsburg, a distance of 81 miles, being 71 feet or less than one foot per mile. The width of the stream at Greensboro is 600 feet, while at Lock No. 4, 40 miles above Pittsburg, it is 750 feet.

Beaver Dam is on the main stream of the Ohio, 41 miles below Pittsburg, the fall averaging 1 foot per mile. The entire drainage area of the Ohio river above Beaver Dam is 20,274 square miles.

RIVER STAGES, JANUARY 1904.

Day of Month	Allegheny				Conemaugh		Youghiogheny		Monongahela		Main Stream	
	Warren	Oil City	Parker	Freeport	Johnstown	Saltsburg	Confluence	West Newton	Greensboro	Lock No. 4.	Pittsburg.	Beaver Dam
1	1.4	2.0	2.3	7.7	1.8	1.5	0.5	*	7.8	7.5	3.8	6.6
2	1.3	2.0	2.4	7.0	1.8	*	0.5	*	7.7	7.3	3.5	6.0
3	1.2	2.0	2.2	6.7	1.8	*	0.5	*	7.6	7.1	3.4	5.9
4	1.2	2.0	2.1	6.5	1.7	*	0.4	*	9.8	10.0	3.5	6.1
5	1.2	2.4	2.2	6.0	1.7	*	0.3	*	9.9	13.1	4.1	6.4
6	1.0	2.9	2.0	5.5	*	*	*	*	9.0	10.9	4.2	7.9
7	1.0	3.4	2.0	5.2	*	*	*	*	8.0	8.7	3.4	8.0
8	1.0	3.4	1.9	5.3	*	*	*	*	8.0	8.4	3.8	7.0
9	1.0	3.5	1.8	5.3	*	*	*	*	7.8	8.1	3.2	5.3
10	1.0	3.5	1.8	5.2	*	*	*	*	7.6	7.9	3.2	5.3
11	*	3.5	1.7	5.2	1.6	*	*	*	7.5	7.4	3.0	5.7
12	*	3.5	1.7	5.1	1.6	*	*	*	7.4	7.2	2.9	5.8
13	*	3.5	1.7	5.0	1.5	*	*	*	7.4	7.0	2.8	5.5
14	*	3.5	1.7	5.0	1.5	*	*	*	7.4	6.9	2.8	5.5
15	*	3.7	1.7	5.0	1.5	*	*	*	7.4	6.9	2.8	5.5
16	*	3.7	1.7	5.0	1.4	*	*	*	7.5	6.9	2.7	5.4
17	*	3.7	1.8	4.9	1.4	*	*	*	7.4	6.9	2.5	5.4
18	*	3.7	1.8	4.9	1.4	*	*	*	8.1	7.1	2.8	5.3
19	*	3.7	1.8	4.8	*	*	*	*	8.1	8.7	2.7	8.8
20	*	3.7	1.8	4.8	*	*	*	*	8.0	9.0	3.3	10.5
21	*	3.8	2.0	4.9	2.7	*	*	*	8.3	8.8	4.5	10.1
22	3.0	8.1	10.0	21.0	[b]8.4	9.0	[c]9.0	[d]18.0	[e]12.5	13.8	9 4	17.7
23	10.2	13.8	19.0	[a]30.7	8.9	12.0	10.6	16.5	15.8	21.2	30.9	[f]39.7
24	9.0	11.6	14.5	24.9	5.2	5.5	5.0	10.0	14 4	20.0	29.0	41.6
25	8.0	9.6	11.0	18.5	3.9	3.5	4.2	7.0	11.2	14.5	20.9	32.4
26	6.9	7.8	10.0	14.8	3.3	3.0	3.6	5.2	9.7	11.4	15.7	22.6
27	6.3	7.2	7.0	11.0	3.0	2.4	3.1	3.5	*	9.9	13.4	17.5
28	5.8	6.8	5.6	8.8	2.9	2.0	2.2	3.0	8.7	8.9	10.7	14.4
29	5.0	5.9	5.0	8.5	2.9	1.7	1.4	2.5	8.2	8.1	8.7	11.8
30	4.6	4.9	4.5	8.4	2.8	1.5	1.0	2.0	8.0	8.0	8.0	10.8
31	4.0	4.2	4.0	8.2	2.8	1.4	1.0	2.0	7.8	7.9	7.6	10.4
Flood Stage.	14	15	20	20	7	8	10	23	18	28	22	27

* Frozen. a-31.2 at midnight. b-11.4 at 5 p. m. c-11.6 at 3 p. m.
d-22.0 at noon. e-16.4 at 6 p. m. f-42.8 at 11 p. m.

DAILY PRECIPITATION, JANUARY 1904.

Day of Month	Allegheny				Conemaugh		Youghiogheny		Monongahela		Main Stream	
	Warren	Franklin	Parker	Freeport	Johnstown	Saltsburg	Confluence	West Newton	Greensboro	Lock No. 4.	Pittsburg	Beaver Dam
1	0	0	0	0	0	0	0	0	0	0	0	0
2	.60	.80	.10	.20	.53	24	.44	.30	.32	.25	.47	.10
3	0	.10	.60	.32	.02	.30	.42	.30	.08	.16	.03	.11
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	.01	0
6	0	.10	0	0	0	0	0	0	0	0	0	0
7	0	0	0	.02	0.5	.04	0	0	0	0	0	0
8	.30	.30	.10	.05	.22	.04	.02	0	0	.05	.01	.03
9	.10	0	.12	.23	.03	.12	.12	.08	.10	.05	.03	.16
10	0	0	0	.01	0	.02	0	0	0	0	0	.02
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	.10	0	0	0	0	0	0	0	0	0	0
13	.20	.60	.20	.20	.50	.12	.10	0	.12	.18	.28	.21
14	.10	.40	.30	.35	.06	.34	.36	.12	.12	.02	.02	.12
15	0	0	.10	0	.02	.02	.01	0	0	0	0	.05
16	.10	0	0	0.5	.33	.04	0	0	.02	.05	.14	.07
17	0	0	.06	0	0	.18	.26	.10	.22	.15	0	.09
18	0	0	0	0	0	0	0	.08	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	.06	.46	0	.70	.65	.01	0	0	0	.02	.43	.12
21	.12	1.53	.80	.49	.53	.72	.34	.72	.16	.52	.59	.12
22	.38	.23	1.20	.37	.41	.52	.38	.48	.50	.40	.04	.07
23	.04	0	0	0	.01	.06	.18	.20	.14	.14	0	.10
24	0	0	0	0	.03	.04	0	0	0	0	0	0
25	.02	.20	0	0	0	0	0	0	0	0	0	0
26	.40	.60	.06	.02	.45	.01	0	.08	0	.16	.22	.06
27	.10	0	.20	[illegible]	0	.40	.34	.38	0	.35	0	.07
28	0	0	0	0	.02	0	0	0	0	0	0	0
29	0	0	0	.08	.24	.08	.26	.18	.20	.06	.04	0
30	0	0	0	.03	0	.10	.08	.28	.10	.08	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0

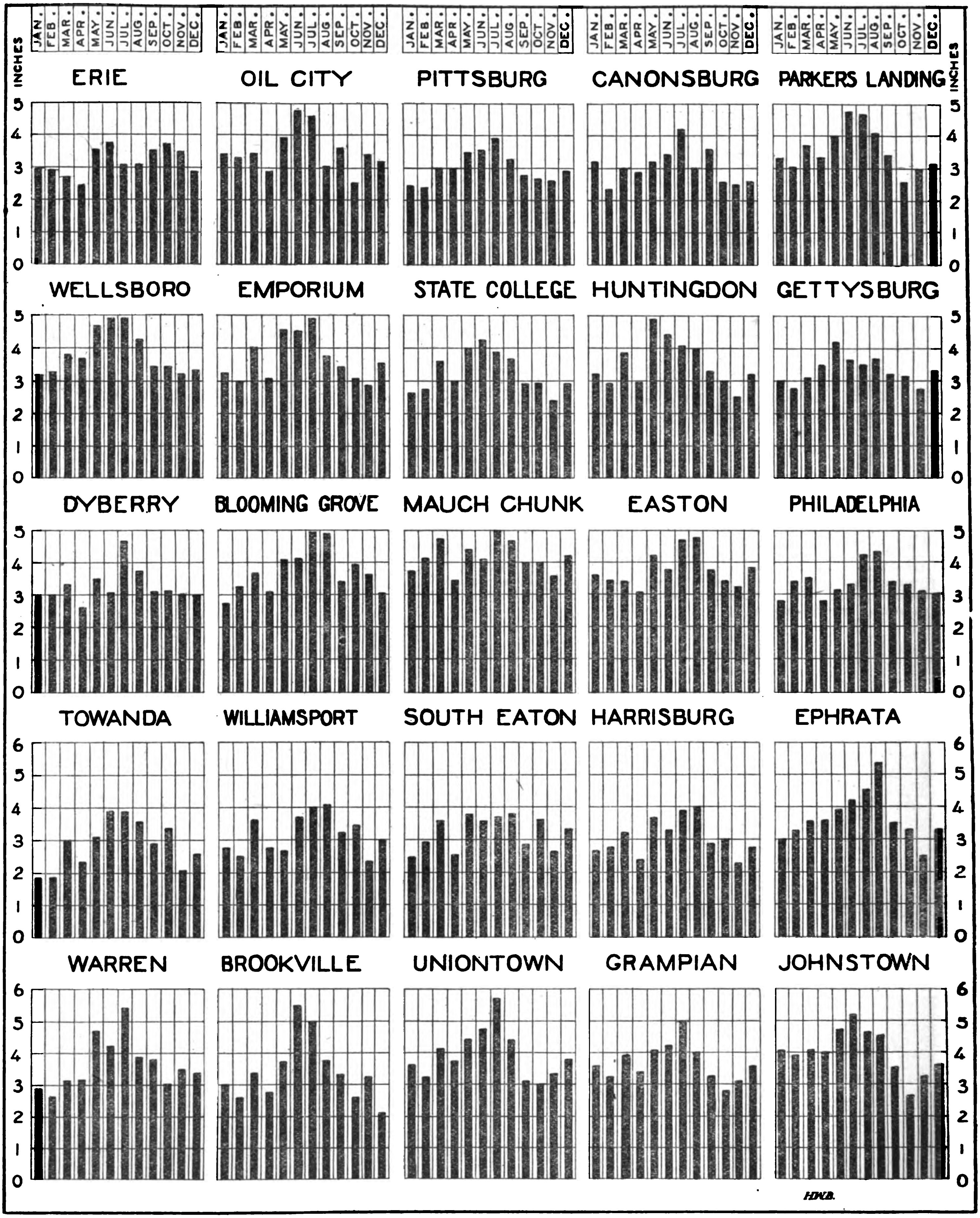
RIVER STAGES, MARCH 1907.

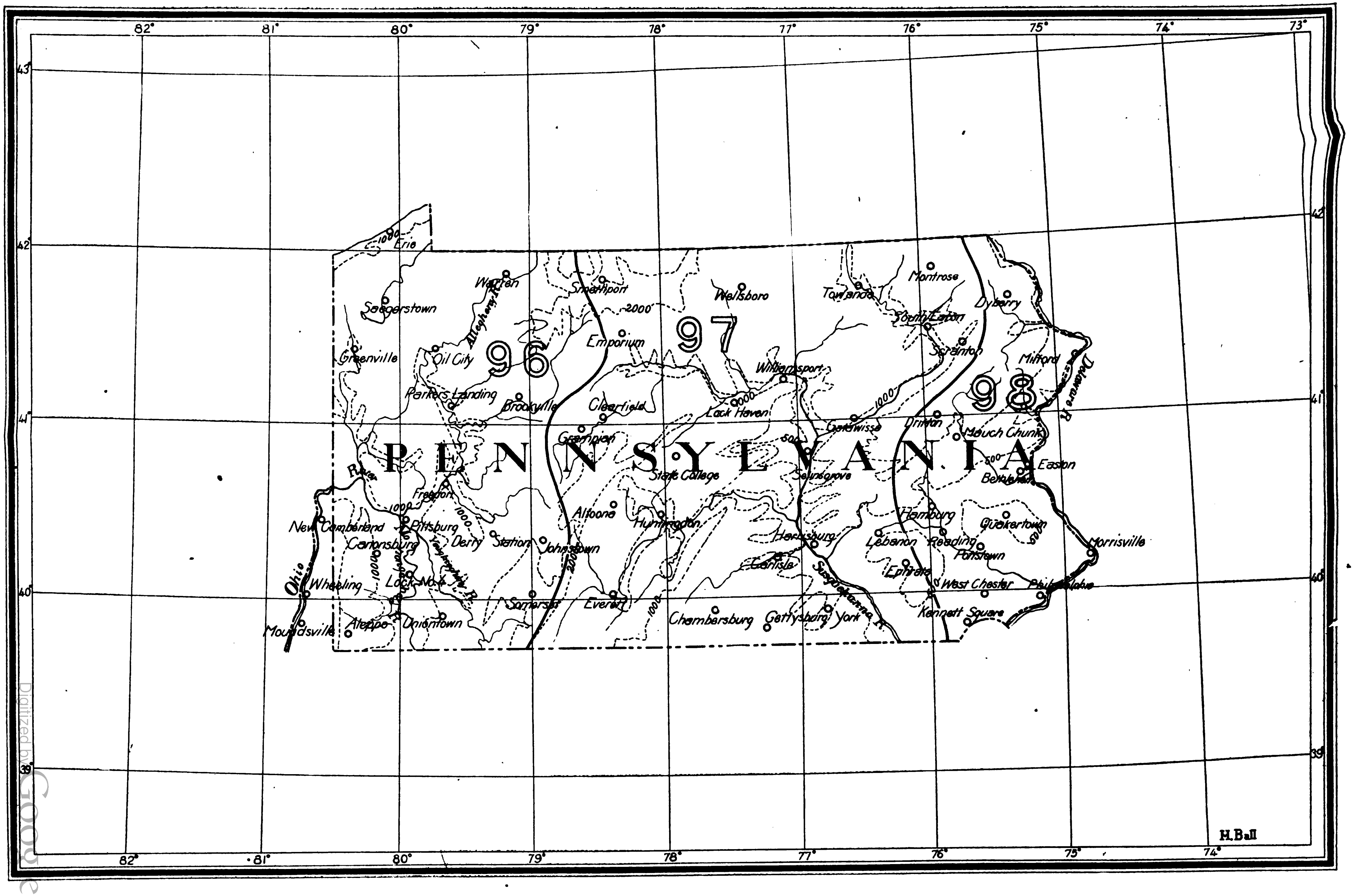
	Allegheny				Conemaugh		Youghiogheny		Monongahela		Main Stream	
Day of Month	Warren	Franklin	Parker	Freeport	Johnstown	Saltsburg	Confluence	West Newton	Greensboro	Lock No. 4.	Pittsburg	Beaver Dam
1	*	*	*	4.2	2.3	4.7	2.0	3.1	10.2	11.8	5.0	8.6
2	1.4	5.8	*	4.5	2.4	5.0	3.3	3.1	10.0	11.3	5.2	9.1
3	1.4	6.6	*	5.4	2.4	6.5	3.6	4.7	11.3	12.7	6.1	10.2
4	1.4	6.8	*	6.6	2.4	5.8	3.2	4.0	10.7	13.0	7.7	12.0
5	1.4	6.8	*	6.6	2.2	5.1	3.1	3.2	9.7	11.6	6.5	11.3
6	1.4	6.5	*	6.2	2.2	5.0	3.1	2.9	9.4	10.6	5.4	10.2
7	1.4	6.3	*	5.7	2.0	4.8	3.0	2.6	9.1	10.4	5.2	9.8
8	1.4	5.9	*	5.1	2.0	4.7	2.8	2.5	8.9	9.9	4.9	9.3
9	1.4	5.6	*	5.0	2.0	4.9	3.0	3.1	9.7	10.2	4.7	8.8
10	1.4	5.2	*	4.9	2.0	4.2	2.6	2.9	10.0	11.4	5.3	9.2
11	1.4	5.3	*	4.9	1.9	2.7	2.8	3.1	14.6	13.9	5.6	9.5
12	1.5	4.1	*	5.0	2.5	1.3	2.2	3.0	14.1	19.2	9.8	13.0
13	1.6	4.3	5.5	9.7	9.4	5.0	11.0	7.9	18.7	21.0	12.7	17.9
14	3.5	[a]8.0	[b]10.0	22.4	18.0	[d]18.4	[e]17.2	[f]26.3	27.2	37.4	30.8	......
15	6.2	8.4	7.5	[c]25.7	9.0	13.4	11.4	21.9	21.0	35.0	[g]35.1	47.1
16	6.0	8.8	6.5	16.5	6.5	6.0	7.0	10.5	14.2	22.6	22.8	37.8
17	6.5	8.2	6.0	15.0	5.8	5.0	5.0	7.6	11.2	15.5	15.7	25.8
18	6.5	8.3	5.9	14.2	5.8	4.5	3.6	6.6	10.1	12.6	13.4	20.5
19	6.0	7.5	5.8	14.1	5.5	4.3	3.6	6.4	9.7	11.8	12.5	19.1
20	6.8	8.2	6.5	18.4	10.1	11.5	12.0	19.4	17.3	22.6	21.0	26.7
21	6.4	7.9	6.7	16.0	6.2	6.0	6.6	11.5	15.2	21.2	20.2	29.7
22	5.5	7.0	6.5	13.4	5.0	4.4	4.6	7.4	12.4	17.1	15.6	23.4
23	5.9	7.8	6.0	11.5	3.9	3.4	3.7	5.7	10.4	13.1	11.8	18.7
24	5.9	6.5	5.8	11.0	3.8	2.9	3.4	4.7	9.4	11.7	10.1	15.7
25	5.7	6.5	5.5	10.9	3.5	2.4	3.0	3.9	8.9	10.0	9.3	14.6
26	5.1	5.5	5.2	10.0	3.4	2.0	2.6	3.3	8.5	9.2	8.2	13.2
27	5.5	5.6	6.5	10.0	4.8	2.6	2.6	3.1	8.2	8.7	7.9	14.6
28	7.2	8.0	8.4	12.7	3.5	3.1	2.4	3.2	8.1	8.5	9.3	17.6
29	7.0	8.9	9.5	14.0	3.0	2.7	2.2	3.0	8.1	8.5	11.0	19.1
30	6.0	8.0	8.7	13.0	3.0	2.5	2.0	2.8	7.9	8.0	10.5	18.4
31	5.3	6.5	7.0	11.4	2.8	2.0	1.9	2.4	7.8	7.7	9.3	16.0
Flood Stage.	14	15	20	20	7	8	10	23	18	28	22	27

* Frozen. a-Highest stage 18.0 at 5 p. m. b-Highest stage 18.0 at 5 p. m. c-Highest stage 28.0. d-Highest stage 21.0. e-Highest stage 18.6. f-Highest stage 28.2. g-Highest stage 35.5.

DAILY PRECIPITATION, MARCH 1907.

	Allegheny				Conemaugh		Youghiogheny		Monongahela		Main Stream	
Day of Month	Warren	Franklin	Parker	Freeport	Johnstown	Saltsburg	Confluence	West Newton	Greensboro	Lock No. 4.	Pittsburg	Beaver Dam
1	0	0	0	0	.20	0	0	.04	0	0	.05	0
2	.10	.35	.34	.25	.16	.20	.22	.10	.12	.20	.06	.25
3	0	0	.12	.04	.24	.04	.44	0	.02	0	.06	.04
4	0	0	0.4	.03	.01	.08	.20	.28	.20	0	.01	.04
5	.10	.20	0	0	.16	0	0	0	0	0	.06	0
6	.10	0	.20	.06	.04	.06	.01	.30	.04	.17	0	0
7	0	.17	0	0	.01	0	0	0	0	0	.03	0
8	.30	0	.12	.18	.33	.28	.24	0	.04	.28	.11	.19
9	0	0	0	0	0	0	0	0	0	0	.01	0
10	.20	.20	.30	.41	.70	.16	.28	.16	.20	.18	.25	.19
11	0	0	.12	0	0	.28	.44	.20	.40	.33	0	.09
12	.06	.28	.04	.09	.25	.04	0	.20	.08	.40	.57	.14
13	.13	.65	.80	1.80	1.50	1.28	1.35	1.01	1.34	1.40	1.53	1.74
14	.64	0	.74	.92	1.01	.94	1.80	1.82	1.90	2.20	.34	.90
15	0	.14	0	0	0	.12	.02	.30	.12	.02	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	.04	0	0	0	0	0	.25	0
18	0	0	.02	.33	.12	.22	.08	.28	.22	.33	0	.33
19	.38	.35	.62	.62	1.27	.34	.74	.66	.52	1.25	.84	.60
20	0	0	.06	.40	.24	.36	1.20	.70	1.02	.76	0	.46
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	.02	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1.15	0	.84	.65	0	0	0	0	0	.58	0
27	.96	.33	1.44	.15	.20	.90	.32	.24	0	.20	.34	1.20
28	0	.25	.54	.17	.04	.10	.26	.30	.36	.38	.11	.71
29	0	0	.12	.35	.05	.04	.02	0	.02	0	.01	.04
30	0	0	.14	.04	.01	.06	.02	.06	0	.10	.03	.07
31	0	0	0	0	0	0	0	0	0	0	0	0


JAN. FEB. MAR. APR. MAY. JUN. JUL. AUG. SEP. OCT. NOV. DEC.
INCHES
ERIE
OIL CITY
PITTSBURG
CANONSBURG
PARKERS LANDING
WELLSBORO
EMPORIUM
STATE COLLEGE
HUNTINGDON
GETTYSBURG
DYBERRY
BLOOMING GROVE
MAUCH CHUNK
EASTON
PHILADELPHIA
TOWANDA
WILLIAMSPORT
SOUTH EATON
HARRISBURG
EPHRATA
WARREN
BROOKVILLE
UNIONTOWN
GRAMPIAN
JOHNSTOWN
0
1
2
3
4
5
6
H.W.B.


PENNSYLVANIA
96
97
98
Erie
Warren
Seegerstown
Greenville
Oil City
Allegheny R.
Parkers Landing
Brookville
Smethport
Emporium
Clearfield
Grampian
Wellsboro
Williamsport
Lock Haven
Towanda
Montrose
South Eaton
Scranton
Dyberry
Milford
Delaware R.
Drifton
Mauch Chunk
Catawissa
Selinsgrove
State College
Easton
Bethlehem
Freeport
River
New Cumberland
Pittsburg
Canonsburg
Derry
Station
Johnstown
Altoona
Huntingdon
Harrisburg
Carlisle
Hamburg
Quakertown
Lebanon
Reading
Pottstown
Morrisville
Ephrata
West Chester
Philadelphia
Kennett Square
Susquehanna R.
Youghiogheny R.
Ohio
Wheeling
Lock No. 4
Moundsville
Aleppo
Uniontown
Somerset
Everett
Chambersburg
Gettysburg
York
500
1000
2000
82°
81°
80°
79°
78°
77°
76°
75°
74°
73°
43°
42°
41°
40°
39°
H. Ball

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 97.—CENTRAL PENNSYLVANIA.

The district included in Section 97 comprises the large central portion of Pennsylvania that is drained by the Susquehanna river and its tributaries.

The surface configuration of this district is greatly diversified. The northern portion, comprising about one-third of the area, consists of a high plateau or table-land which ranges in elevation from 1400 to 2000 feet above sea level. Much of this table-land is adapted to agriculture. The central portion of the Section is broken up by the Allegheny mountains. The ridges rise to elevations of 2000 to 2500 feet, and the valleys are deep and picturesque. The beds of the streams are mostly below 700 feet elevation, the fall being quite rapid and affording excellent facilities for the development of water power. The Susquehanna river has an elevation of 450 feet above sea level at the junction of the east and west branches, and its fall is quite rapid through the mountain districts. The smaller streams sometimes rise rapidly and do considerable damage.

Bituminous coal is mined extensively in the mountain districts, and a large portion of the anthracite fields of Pennsylvania lie in the two eastern counties of Luzerne and Lackawanna. The southern counties of the Section contain much level agricultural land of excellent quality, Lancaster being the banner agricultural county of the State. Tobacco is raised extensively in these counties, giving Pennsylvania a rank of third among all the states of the Union in quantity and quality of this product.

The average annual precipitation for the Section is a little more than forty-one inches. Very heavy local rains, amounting to five or six inches in 24 hours, have been recorded in this section, but are not of such frequent occurrence as in the Delaware basin for the reason that the coast storms do not often extend so far inland. The Southern portion of the Section is subject to severe thunderstorms, which are usually most destructive in York and Adams counties. The snowfall is moderately heavy, averaging about fifty inches annually in the northern counties, and nearly forty inches in the southern portion. The last heavy snows of spring usually occur in the latter part of March or early in April, while in Autumn very little is received before the latter part of November.

The mean temperature decreases about six degrees from the south to the north. On the northern plateau the summer mean is about 67°, and the winter mean about 24°, while in the southern counties the summer mean is about 72° and the winter mean about 80°. Temperatures of 100°, or higher, sometimes occur in the central and southern counties during the extreme heat of July and August, and in mid-winter temperatures of twenty to twenty-five degrees below zero are occasionally recorded in the northern plateau district and in the mountains southward nearly to the state line. Maximum temperatures of 90°, or higher, are recorded on an average of ten days annually, while the number of days with freezing temperatures averages more than one hundred. The first killing frost of autumn usually occurs about the middle of October, and the last in spring at about the first of May. The prevailing winds are westerly, and the movement is moderate in most parts of the Section.

GEORGE S. BLISS,
SECTION DIRECTOR.

Precipitation in central Pennsylvania. Monthly, annual, and average amounts (in inches and hundredths).

CARLISLE, Cumberland Co., Pa. Elevation, 480 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1839...	3.92	2.91	0 79	......	4.18	6.94	......	......	......	0.82	1.79	5.20	......
1840...	2.06	1.79	2.12	4.50	2.42	2.07	......	......	......	......	....	......	......
1841...	......	......	......	4.90	3.43	4.07	......	......	......	1.33	3.05	5.69	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1855...	......	......	......	....	......	......	......	......	......	......	......	0.65	......
1856...	2.15	0.90	1.07	......	0.73	4.18	3.77	2.02	1.57	2.15	2.10	1.90	......
1857...	3.08	0.86	1.21	2.74	7.75	10.88	......	......	......	......	......	......	......
1858..	......	......	......	......	......	......	2.00	4.55	3.23	3.25	4.70	3.57	......
1859...	2.30	2.47	5.49	5.67	1.37	2.95	2.47	2.79	9.50	......	......	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1868...	......	......	......	......	......	......	......	......	......	......	......	3.80	......
1869...	3.95	3.60	5.75	1.80	6.10	6.00	3.40	1.10	1.90	6.30	2.70	8.10	50.70
1870...	5.40	4.35	3.95	5.90	6.30	7.80	5.90	2.80	6.00	2.90	1.80	2.35	55.45
1871...	3.05	2.55	3.89	2.10	3.10	3.65	4.50	9.40	2.65	3.30	3.35	1.80	43.34
1872..	0.90	1.95	1.85	3.35	4.05	3.90	2.60	4.54	2.95	5.40	3.00	3.30	37.79
1873...	3.65	4.00	3.85	3.80	3.90	1.60	2.55	9.55	2.20	6.10	2.60	2.45	46.25
1874...	4.05	5.42	1.80	6.35	1.95	1.50	7.10	1.40	3.75	3.75	2.25	2.45	41.77
1875...	2.45	2.40	4.90	2.85	0.60	2.70	5.96	6.06	2.50	3.45	3.00	2.50	39.37
1876...	1.67	3.17	6.00	3.00	1.40	4.75	6.73	5.10	11.34	1.20	3.27	1.73	49.36
1877...	3.60	0.50	6.80	3.35	1.10	5.25	1.96	1.70	4.45	3.70	8.27	0.05	40.73
1878...	4.65	1.60	3.00	2.93	3.90	3.20	2.00	5.20	2.00	5.12	2.57	......	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1888...	3.30	3.37	2.91	2.79	5.14	3.25	3.43	......	3.29	3.19	2.88	2.77	......
1889...	3.49	1.68	1.91	4.56	4.52	4.59	......	2.49	......	3.75	9.03	2.44	......
1890...	2.16	4.12	5.87	3.19	5.47	2.90	1.91	9.65	4.12	5.72	0.81	4.20	50.12
1891...	4.07	4.22	6.52	1.18	2.17	3.46	6.03	5.53	1.05	3.51	1.70	3.66	43.10
1892...	5.64	1.15	4.19	2.77	5.98	4.59	......	1.97	4.85	0.05	3.52	1.45	......
1893...	2.41	4.56	1.44	3.71	5.49	3.42	1.57	5.82	2.56	0.97	3.92	1.60	37.47
1894...	1.79	4.53	1.14	3.61	8.12	2.05	1.96	2.92	9.45	4.58	2.63	3.38	46.16
1895...	3.74	1.39	3.67	3.75	2.34	2.62	1.31	4.70	1.06	0.64	2.46	3.49	31.17
1896...	1.72	6.41	4.20	2.36	2.92	4.27	4.64	0.78	2.75	2.78	3.59	0.70	37.12
1897...	1.77	3.42	3.90	2.92	6.54	1.52	4.42	5.12	2.97	2.05	4.07	3.29	41.99
1898...	4.23	2.09	4.76	2.52	6.64	1.24	3.68	9.62	1.22	6.07	4.39	2.92	49.38
1899...	3.41	5.49	3.89	1.14	6.36	4.38	2.60	10.09	4.05	2.98	2.27	2.77	49.43
1900...	2.34	4.65	4.31	1.37	1.17	3.82	4.20	......	1.09	2.74	3.38	1.43	......
1901...	1.99	0.82	2.09	1.46	......	......	......	......	......	......	......	......	......
M'ns..	3.07	2.98	3.56	3.23	3.97	3.92	3.61	4.79	3.70	3.25	3.30	2.84	42.22

* CATAWISSA, Columbia Co., Pa. Elevation, 478 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1878...	.....	......	2.81	2.85	4.50	4.11	3.92	2.41	2.99	4.14	2.67	4.25	......
1879...	1.88	1.79	1.68	3.25	1.54	3.18	4.50	2.93	3.00	1.11	2.20	4.00	31.06
1880...	2.39	3.40	3.08	2.65	2.11	3.66	4.66	5.42	2.87	1.77	2.49	1.40	35.90
1881...	3.62	3.23	4.48	1.10	2.81	8.08	1.17	1.07	0.45	2.06	2.80	4.85	35.72
1882...	4.32	3.96	3.95	2.65	5.69	4.15	3.51	4.39	3.38	1.58	1.19	0.72	39.49
1883...	3.35	2.24	2.54	2.94	3.01	8.07	4.63	2.26	2.41	3.38	1.42	1.91	38.16
1884...	3.17	3.61	4.08	2.92	3.38	3.63	2.83	2.27	2.66	3.69	2.98	3.77	38.99
1885...	4.13	3.13	1.04	2.43	2.68	2.22	3.26	7.36	0.94	5.65	4.65	2.33	39.82
1886...	4.50	2.75	4.13	2.37	7.19	3.08	3.62	1.59	4.20	2.84	5.82	2.36	44.45
1887...	2.68	3.87	......	3.40	.....	4.45	1.70	4.12	5.14	0.56	1.66	2.00	......
1888...	3.58	2.03	2.59	2.91	5.20	2.78	2.48	6.28	3.74	3.82	3.79	3.79	43.17
1889...	3.22	1.61	2.99	4.42	......	.....	6.62	6.17	4.47	2.82	6.95	2.41	......
1890...	2.06	3.41	......	2.92	7.41	2.72	2.68	5.44	2.81	5.99	1.17	4.10	......
1891...	5.26	.....	.....	......	.....	.....	.....	.....	.....	......	......	.....	.....
1892...	......	.....	......	......	......	......	......	......	.....	......	......	0.94	......
1893...	1.61	6.10	2.49	3.34	7.07	2.93	3.55	3.07	2.65	1.18	1.44	1.41	36.84
1894...	1.89	2.22	0.31	4.58	10.02	2.25	1.97	2.33	......	......	......	......	....
......	.....	.....	......	......	......	......	......	......	.....	.....	.....	......	......
1896...	0.96	4.95	2.55	1.03	3.43	4.85	5.82	2.69	3.23	4.09	5.00	0.61	39.21
1897...	1.13	1.53	2.94	2.54	7.05	2.79	2.74	1.40	2.46	1.38	3.98	4.13	34.07
1898...	3.16	1.20	3.75	2.93	6.11	2.14	1.61	2.77	0.13	3.04	1.21	0.42	28.47
1899...	0.03	3.70	......	1.09	3.32	2.90	3.69	5.62	3.62	1.63	....	4.10	......
1900...	1.67	2.91	2.80	1.50	1.83	3.50	3.26	3.23	0.25	2.83	......	0.80	......
1901...	1.32	0.06	3.41	3.45	5.59	2.33	1.64	11.03	2.42	2.56	2.18	6.10	42.09
1902...	2.37	5.24	1.65	1.93	0.93	6.60	4.83	1.50	6.33	5.91	1.32	3.48	42.09
1903...	2.68	3.63	2.81	3.11	0.65	8.58	......	4.50	1.90	4.80	1.60	1.80	.....
1904...	4.55	1.30	2.65	3.29	3.18	2.33	4.02	3.02	3.96	3.24	0.92	1.77	34.23
M'ns..	2.72	2.95	2.80	2.73	4.30	3.97	3.42	3.87	2.87	3.05	2.74	2.65	38.07

* Record from 1892 to 1904, inclusive, from Bloomsburg, Pa.

CHAMBERSBURG, Franklin Co., Pa. Elevation. 618 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1860...	......	3.67	2.09	3.97	6.34	1.36	2.56	4.86	5.14	4.99	4.18	2.94	.....
1861...	3.29	1.94	2.22	......	4.21	2.28	4.01	3.62	3.64	3.54	3.54	0.34	......
1862...	.....	......	.....	5.46	......	......	......	.....	......	......	....	.....	......
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1875...	......	......	......	......	1.86	4.61	5.19	5.93	2.14	2.73	3.36	1.81	......
1876...	0.51	1.50	4.20	.....	1.91	2.34	2.52	3.05	7.38	1.22	2.56	1.14	.....
1877...	2.57	1.62	3.43	3.30	1.50	6.59	2.05	2.26	3.12	4.67	7.59	1.37	40.07
1878...	2.54	2.76	3.31	3.87	2.78	2.71	2.10	3.89	1.58	4.39	2.91	3.95	36.79
1879...	2.06	2.42	2.90	2.08	3.40	2.83	2.33	5.10	3.60	1.76	0.72	3.96	33.16
1880...	2.38	3.24	3.45	3.07	2.52	4.81	6.68	4.76	2.61	2.94	3.65	2.79	42.90
1881...	3.47	2.61	3.75	1.90	2.12	6.30	4.28	1.33	1.35	2.80	1.36	5.06	36.33
1882...	4.56	3.97	......	......	.....	......	......	......	.....	.....	......	......	.....
1883...	1.34	4.09	3.03	2.98	2.88	5.15	4.36	2.74	3.33	3.28	1.59	3.79	38.56
1884...	3.23	4.43	4.90	1.22	4.42	5.22	5.20	2.22	0.89	2.27	1.51	4.83	40.34
1885...	3.62	3.47	0.91	2.35	1.20	2.20	0.78	5.64	0.93	4.64	1.51	1.05	28.30
......	......	......	......	......	......	......	......	......	......	......	......	......	......
1887...	......	.....	....	......	......	......	......	......	......	......	1.04	4.47	......
1888...	2.12	3.95	1.72	......	5.55	2.37	2.90	5.45	......	......	2.88	......	......
1889...	......	......	......	......	......	......	......	......	4.13	3.24	5.73	2.03	......
1890...	1.80	3.90	......	1.55	5.55	......	......	......	.....	5.48	1.21	......	......
1891...	2.27	2.54	......	......	.....	......	......	......	......	.....	......	......	......
......	......	......	......	......	.....	...	....	......	.....	......	......	......	......
1893...	.....	......	1.53	4.49	6.24	1.80	2.12	2.61	2.30	3.85	....	......	......
1894...	1.33	......	1.17	1.96	7.94	3.17	c.84	4.79	2.82	5.44	1.28	2.65	....
1895...	3.00	1.57	2.03	2.95	2.39	9.21	1.84	5.31	0.82	1.13	1.38	1.44	33.07
1896...	1.10	2.81	4.58	0.97	3.05	7.19	4.09	0.99	2.52	1.52	4.20	0.48	33.50
1897...	1.84	4.07	3.40	2.79	6.03	1.22	4.32	6.02	3.08	2.19	5.28	1.93	42.17
1898...	2.61	1.38	4.33	1.36	4.73	0.64	3.57	7.66	1.19	5.67	3.15	3.23	39.52
1899...	1.82	4.86	4.23	1.23	5.99	5.97	3.04	4.51	4.88	1.35	2.15	2.47	42.50
1900...	1.95	3.42	3.79	1.92	1.13	2.82	3.10	4.60	0.56	2.03	3.02	0.40	28.74
1901...	1.54	0.27	2.74	9.18	......	......	......	......	......	......	......	......	.....
M'ns..	2.32	2.93	3.03	2.93	3.81	3.85	3.23	4.16	2.96	3.38	2.98	2.58	38.16

EVERETT, Bedford Co., Pa. Elevation, 1,080 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897...	......	....	......	......	......	5.00	5.02	2.44	1.55	0.93	4.58	3.96	......
1898...	3.35	1.17	4.62	2.03	3.20	2.03	2.60	9.11	0.89	8.23	2.07	2.84	42.14
1899...	2.48	3.35	4.27	1.37	4.39	2.91	3.33	3.62	4.70	1.10	1.40	...	......
1900...	2.10	3.57	3.69	1.25	2.10	5.97	5.70	5.50	......	......	......	....	......
1901...	1.51	0.78	4.55	5.16	5.80	5.21	5.22	10.35	2.33	0.35	2.50	5.54	49.30
1902...	4.10	......	4.84	3.63	1.16	6.24	2.15	2.36	2.59	4.18	1.71	3.83	.....
1903...	3.41	5.00	4.07	3.71	2.21	8.67	7.02	4.72	2.50	2.90	1.33	1.15	46.72
1904...	3.08	1.90	2.97	3.55	4.08	4.43	5.69	1.66	3.47	1.67	0.43	2.45	35.38
1905...	2.56	0.90	4.26	1.47	4.10	6.62	3.45	5.26	2.72	3.98	1.69	3.09	40.10
1906...	2.56	0.90	4.24	2.47	3.65	3.60	4.82	8.27	1.56	3.75	0.88	3.83	40.62
1907...	3.78	1.88	4.18	3.05	3.64	6.04	3.16	3.54	4.76	1.01	3.48	3.41	41.93
1908...	3.37	4.11	5.53	3.83	6.72	3.22	3.72	1.39	......	1.47	0.65	1.80	......
M'ns..	2.94	2.38	4.29	2.87	3.73	5.00	4.32	4.85	2.71	2.69	1.88	3.19	40.85

EMPORIUM, Cameron Co., Pa. Elevation, 1,050 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889...	2.75	1.61	1.44	3.66	8.04	4.63	7.03	3.23	2.84	3.70	5.11	3.85	47.89
1890...	3.80	5.02	4.79	3.98	9.61	4.85	4.87	7.76	7.91	5.30	2.16	3.21	63.26
1891...	3.47	4.56	5.12	2.33	1.06	4.45	8.46	5.40	1.17	3.48	4.01	4.96	48.47
1892...	3.29	3.77	3.87	1.64	7.38	6.13	2.67	3.02	2.78	1.35	3.24	0.94	40.08
1893...	3.11	5.91	2.92	4.21	4.99	4.83	2.37	3.00	2.10	3.36	2.05	4.07	42.92
1894...	3.85	3.08	1.24	3.89	9.45	3.00	2.09	1.37	5.26	3.94	1.81	2.93	41.97
1895...	4.79	0.50	1.60	2.53	3.08	4.95	3.06	2.98	2.89	1.82	2.59	3.37	34.16

EMPORIUM, Cameron Co., Pa. Elevation, 1,050 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896...	1.17	3.68	4.36	1.88	3.36	6.75	5.11	1.62	5.69	3.31	3.60	1.82	42.35
1897...	2.30	3.20	4.03	3.49	3.42	2.04	5.28	2.13	2.73	0.94	5.13	4.20	38.89
1898...	4.54	1.47	5.80	2.59	4.21	3.90	4.13	5.87	1.89	6.24	3.37	2.66	40.67
1899...	2.91	3.60	4.69	2.57	3.92	3.32	4.32	3.78	4.89	2.21	2.80	4.80	43.93
1900...	3.16	2.85	4.50	1.29	3.46	2.43	4.48	3.50	1.36	3.84	5.05	2.08	38.00
1901...	2.55	1.08	3.01	5.03	6.74	4.39	4.07	6.29	4.05	1.23	2.94	5.22	46.60
1902...	2.27	3.23	3.78	3.32	2.29	7.15	12.35	2.49	2.93	2.00	1.72	5.00	48.59
1903...	4.07	5.21	4.84	2.76	1.37	5.44	8.42	5.92	1.50	4.03	3.67	2.88	50.17
1904...	3.04	3.09	6.18	4.74	3.28	5.11	5.46	4.13	4.59	2.08	0.64	2.89	45.23
1905...	3.03	1.00	4.47	2.04	1.75	4.33	4.90	3.26	3.54	5.82	2.04	5.40	42.18
1906...	3.28	0.75	3.95	2.94	5.59	1.89	3.98	3.76	2.63	3.04	1.72	3.54	37.07
1907...	4.68	1.00	3.62	3.40	2.39	7.64	1.32	1.12	5.89	3.60	2.28	3.63	40.57
1908...	2.52	4.90	5.45	3.79	7.62	2.06	3.99	3.47	0.99	0.60	1.60	3.18	40.17
M'ns..	3.23	2.98	3.98	3.13	4.65	4.47	4.92	3.70	3.38	3.10	2.88	3.53	43.95

EPHRATA. Lancaster Co., Pa. Elevation, 384 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1866...	3.87	4.57	1.43	2.46	2.92	7.31	1.70	3.73	4.47	1.95	3.45	2.20	40.06
1867...	1.72	4.28	6.14	2.16	8.37	6.53	3.02	14.86	1.25	2.72	0.37	2.47	53.89
1868...	1.23	2.10	2.37	2.16	3.67	1.90	2.48	......	......	......	.....	......	......
1869...	3.55	4.88	4.56	2.82	4.16	3.24	3.29	1.44	4.83	8.97	3.19	5.87	50.80
1870...	3.39	2.49	3.73	5.72	3.50	4.73	3.83	3.65	4.48	2.82	1.59	2.00	41.93
1871...	3.13	2.24	6.59	2.29	4.29	5.49	6.08	8.98	1.88	2.14	3.44	2.10	48.65
1872...	0.89	1.03	1.55	2.50	4.52	5.23	4.26	6.68	5.26	4.62	4.73	3.49	44.76
1873...	5.50	4.27	3.22	.....	......	......	......	......	.....	......	3.80	3.16	......
1874...	3.52	......	4.08	14.92	.....	......	....	3.50	3.41	1.20	3.44	1.96	.....
1875...	3.13	......	......	......	......	......	......	......	......	......	......	......	.....
1876...	......	4.00	4.02	......	6.00	2.02	8.04	2.08	3.52	......	3.75	......	......
1877...	1.80	2.10	......	......	......	......	......	......	.....	......	.....	......	.....
......	.....	......	.....	......	......	......	......	......	......	......	......	......	......
1899...	......	......	......	......	.....	.....	......	......	7.26	1.18	3.40	1.56	.....
1900...	2.31	5.15	2.56	1.64	5.07	2.89	6.23	3.23	1.33	0.80	1.89	2.32	35.42
1901...	2.40	0.77	3.66	3.73	3.94	1.58	5.61	0.12	2.96	1.25	1.39	5.67	39.08
1902...	3.25	5.73	3.68	3.43	1.72	5.82	3.10	6.44	4.50	7.42	2.20	6.17	53.46
1903...	4.43	4.93	3.87	3.10	0.97	5.14	3.77	7.13	2.09	3.95	1.51	2.70	43.59
1904...	2.95	1.64	2.61	2.46	3.97	5.61	0.17	3.67	3.69	2.92	1.16	2.61	39.46
1905...	4.49	2.00	3.98	3.11	1.60	2.59	3.74	8.28	2.30	4.36	2.81	3.20	42.46
1906...	2.55	2.75	4.23	3.72	4.43	5.18	1.97	4.50	2.04	6.01	0.65	5.53	43.56
1907...	3.09	2.44	2.99	2.16	2.40	5.55	4.16	3.33	6.61	3.01	4.15	4.39	44.28
1908...	1.88	3.62	.....	2.30	4.75	1.42	8.83	3.00	1.90	1.22	0.84	2.65	....
M'ns..	2.95	3.29	3.62	3.57	3.90	4.25	4.49	5.33	3.54	3.33	2.51	3.34	44.12

GETTYSBURG. Adams Co., Pa. Elevation, 600 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1839...	3.38	1.73	0.85	2.40	3.39	4.83	4.52	6.13	2.39	0.83	2.65	4.97	38.07
1840...	2.46	1.98	2.52	3.94	2.04	2.38	1.00	2.90	1.54	7.12	2.19	3.65	34.32
1841...	6.35	1.45	5.37	4.68	3.43	2.89	2.62	3.00	4.15	1.52	3.92	6.06	45.44
1842...	1.73	1.92	2.74	5.78	3.24	4.14	2.69	4.13	0.94	2.30	3.90	2.71	36.22
1843...	3.25	2.55	4.82	3.24	5.23	1.86	3.60	4.51	8.71	3.25	3.52	3.09	47.63
1844...	3.19	1.56	3.47	1.79	3.99	2.36	3.32	2.46	2.55	3.57	1.45	1.66	31.47
1845...	2.70	2.34	2.79	2.41	1.10	4.57	0.93	1.87	0.72	6.18	2.22	2.35	30.18
1846...	4.23	2.66	4.93	2.95	5.78	6.20	4.46	4.39	1.21	3.89	8.48	3.07	52.25
1847...	4.08	5.57	2.40	0.65	2.51	2.00	4.72	2.87	8.37	5.82	5.81	6.08	50.88
1848...	1.83	1.20	3.54	0.62	2.42	2.28	5.38	4.14	1.54	2.73	3.15	4.78	33.61
1849...	0.98	2.57	3.64	1.03	4.33	1.85	2.45	1.91	0.86	5.79	0.94	5.18	31.53
1850...	5.57	4.67	3.89	3.72	5.42	2.04	4.74	2.17	3.78	2.93	2.05	4.65	45.63
1851...	0.63	2.66	3.77	3.64	2.31	1.16	4.26	2.51	1.95	2.19	3.72	2.19	30.99
1852...	2.49	2.70	4.15	5.93	3.49	3.55	1.85	4.72	1.98	1.74	6.47	4.24	43.31
1853...	1.74	3.23	1.29	4.48	2.87	0.26	5.67	3.38	3.89	2.79	1.47	1.01	32.08
1854...	3.26	3.60	1.90	5.37	3.31	2.81	1.62	0.90	2.46	2.27	3.63	2.70	33.86
1855...	3.57	2.41	2.04	2.08	1.69	7.72	3.79	10.89	5.92	2.22	1.27	4.02	47.62
1856...	2.75	1.25	1.79	2.91	2.87	2.86	3.78	2.48	1.12	1.59	2.46	2.77	28.63
1857...	3.03	0.98	1.62	3.12	6.23	7.44	5.03	1.98	1.30	1.12	2.35	3.94	38.23
1858...	1.65	1.92	0.61	2.87	10.60	4.39	3.91	4.27	2.67	4.57	3.35	4.80	45.67
1859...	3.50	3.91	5.59	5.75	3.75	3.73	1.70	2.73	6.34	0.63	1.20	3.55	42.44
1860...	3.13	2.63	1.41	3.93	5.65	2.76	1.35	3.60	2.73	3.92	4.00	3.07	38.18
1861...	4.36	2.42	2.11	4.61	4.23	2.47	4.84	3.15	2.98	3.10	1.98	0.76	37.01
1862...	4.36	2.31	2.21	5.49	1.83	7.12	2.06	0.45	1.17	2.26	1.73	0.90	31.89
1863...	......	4.20	5.64	5.28	3.09	2.71	6.67	......	......	.....	......	......	.....
1864...	.....	...	......	......	......	.....	1.47	3.36	3.01	2.67	2.27	3.42	......
1865...	4.24	3.06	......	......	......	...	......	.....	......	...	......	......	......
......	......	......	......	...	......	......	.....	....	......	......	......	......	......
1889...	.....	.....	.....	......	......	......	......	3.51	6.81	4.16	6.47	2.01	.....
1890...	2.25	4.51	4.66	3.31	8.10	3.91	2.78	8.95	2.51	....	......	.....	......
1893...	2.04	3.46	2.24	5.20	7.36	3.26	1.18	3.18	3.29	4.00	2.97	1.77	39.95
1894...	1.56	3.89	1.21	3.94	6.84	1.78	1.47	2.03	7.60	......	......	....	......
1895...	....	....	1.83	3.27	3.16	3.10	1.37	2.27	1.24	2.13	1.55	2.37	......
1896...	0.75	3.71	.....	......	....	......	....	.....	.....	.....	......	......	.....
......	......	......	......	......	......	......	......	......	.....	......	......	......	......
1903...	......	....	......	......	......	6.47	4.48	7.08	2.26	2.86	1.06	2.16	......
1904...	3.57	1.72	3.04	2.48	2.07	6.00	4.46	3.02	2.78	2.50	0.71	2.93	36.18
1905...	4.37	1.41	3.51	2.95	1.88	5.77	6.00	4.90	2.80	4.15	2.18	4.45	45.27
1906...	2.93	1.21	4.61	4.53	3.28	5.36	2.85	8.54	1.33	5.26	0.73	4.23	44.50
1907...	3.17	2.53	3.44	2.21	3.85	5.57	4.79	1.69	7.32	2.25	3.72	5.82	46.36
1908...	2.79	7.11	4.41	2.80	10.95	1.09	6.24	2.80	1.93	2.79	0.85	2.17	45.93
M'ns..	3.00	2.77	3.06	3.51	4.22	3.68	3.47	3.72	3.18	3.11	2.84	3.34	39.99

GRAMPIAN. Clearfield Co., Pa. Elevation, 1,103 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1864...	.....	.....	.....	.....	.....	.....	4.16	5.68	4.32	2.52	3.96	5.01	.....
1865...	3.24	3.52	6.24	3.42	4.53	3.63	5.11	3.37	6.18	3.12	2.07	3.57	48.00
1866...	2.55	3.30	4.70	3.14	1.58	4.37	5.25	5.68	5.67	4.08	4.21	3.83	48.36
1867...	2.72	3.46	4.50	4.36	7.17	1.31	4.21	4.14	1.49	2.88	2.16	4.54	42.94
1868...	3.32	3.79	4.00	4.56	5.91	2.74	3.35	3.56	6.36	2.82	3.26	3.00	46.67
1869...	5.12	2.34	4.56	3.08	5.18	7.28	5.68	2.21	3.96	1.81	3.27	4.94	49.43
1870...	5.16	4.54	4.00	1.35	5.61	2.83	6.63	3.23	2.78	4.58	1.54	3.29	45.54
1871...	3.56	2.43	2.70	3.84	2.07	3.16	4.12	3.70	1.27	2.88	4.70	1.99	36.42
1872...	1.21	1.56	2.00	2.03	2.84	4.59	6.44	3.94	1.67	4.20	1.42	5.12	37.02
1873...	4.64	2.52	4.75	4.81	2.58	5.29	4.72	6.88	1.78	4.74	2.98	4.38	50.07
1874...	4.29	3.88	3.50	6.11	1.87	2.47	5.33	2.92	2.86	1.35	3.82	4.23	42.63
1875...	3.50	2.03	6.89	2.41	1.81	3.57	4.73	4.63	2.90	2.19	3.00	3.68	41.34
1876...	4.70	.....	4.68	2.92	.....	.....	.....	2.26	.....	.....	2.55	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1882...	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.53	1.45	2.50	.....
1883...	4.26	6.85	2.60	4.38	4.27	6.17	6.05	1.66	2.24	2.89	2.55	3.75	47.67
1884...	3.29	4.69	5.10	3.00	2.86	9.85	5.29	4.07	2.14	3.76	1.82	3.65	49.52
1885...	3.82	2.23	1.34	3.63	4.06	2.96	6.14	8.03	1.14	2.92	3.73	2.72	42.72
1886...	4.27	1.90	3.62	3.44	3.87	4.93	5.47	2.92	4.50	0.97	6.03	2.94	44.86
1887...	2.57	7.62	2.49	3.26	3.38	7.02	3.55	3.65	3.50	0.81	2.28	3.12	43.25
1888...	5.77	1.73	3.00	2.27	4.58	2.30	3.66	8.19	4.37	4.50	3.66	2.89	46.92
1889...	3.32	1.96	2.57	4.61	11.60	3.71	7.33	4.00	2.76	3.21	3.86	4.67	53.60
1890...	4.41	5.52	6.32	3.39	6.87	2.74	3.37	6.41	5.87	6.36	1.96	4.28	57.50
1891...	3.62	7.01	3.97	2.34	1.29	8.71	7.03	4.08	2.38	3.17	3.35	5.15	52.10
1892...	3.49	3.17	3.61	2.34	7.13	4.97	2.41	3.74	2.12	0.59	3.21	1.36	38.14
1893...	4.12	6.77	2.49	4.89	5.47	2.25	4.21	3.26	3.21	2.62	1.72	4.10	45.11
1894...	3.15	2.14	2.27	2.98	7.53	2.07	4.06	1.15	7.08	2.97	3.04	3.85	42.29
1895...	5.10	0.96	1.90	3.81	2.38	2.87	2.85	3.08	2.20	1.26	2.57	3.48	32.46
1896...	1.22	3.57	4.02	2.40	2.20	5.76	8.83	3.98	4.45	2.62	3.20	1.82	44.13
1897...	2.15	2.78	4.25	4.14	4.55	3.14	7.02	2.46	3.16	0.68	6.04	4.57	44.94
1898...	3.81	2.06	8.40	2.30	3.30	5.03	3.41	4.12	1.54	5.21	3.55	3.56	46.29
1899..	3.12	3.03	4.42	1.67	5.34	3.00	3.84	3.54	3.00	1.56	2.31	3.96	38.79
1900...	3.21	3.63	3.64	1.36	2.77	.....	.....	.....	.....	3.32	4.71	2.40	.....
1901...	2.03	1.98	1.88	5.22	3.51	.....	.....	4.22	2.95	0.26	.....	.....	.....
1902...	2.42	1.84	2.87	3.71	2.81	.....	.....	.....	.....	.....	.....	.....	.....
1903...	.....	4.64	4.89	3.72	2.51	4.98	5.15	4.94	1.98	4.55	.....	.....	.....
1904...	5.75	3.09	6.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1905...	3.00	0.85	3.30	3.22	2.26	3.27	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1908...	.....	.....	4.35	3.59	10.25	2.72	4.11	2.72	0.83	0.49	0.91	3.22	.. .
1909...	2.57	5.42	3.32	6.84	.....	3.07	2.52	2.11	.....	3.26	0.98	3.52	.....
M'ns..	3.56	3.40	3.93	3.41	4.29	4.19	4.93	4.00	3.20	2.79	3.06	3.61	44.37

HARRISBURG, Dauphin Co., Pa. Elevation, 361 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889...	2.86	1.48	3.26	3.96	9.51	7.18	8.68	3.58	4.53	3.33	6.59	2.11	57.07
1890...	2.01	3.39	3.80	2.46	6.61	2.97	2.80	5.70	2.89	6.40	1.12	2.42	42.57
1891...	4.73	3.31	4.25	1.70	1.77	3.76	8.40	5.20	1.75	2.87	1.95	3.71	43.40
1892...	5.14	1.02	4.81	2.15	3.95	4.93	6.48	2.39	3.31	0.15	4.15	1.17	39.65
1893...	2.05	4.66	1.97	3.67	5.32	2.46	1.92	3.69	1.74	3.25	2.54	1.91	35.18
1894...	1.77	4.56	1.30	2.27	6.07	3.25	1.89	4.08	5.53	4.60	1.90	3.34	40.56
1895...	3.80	0.54	1.94	3.67	1.98	1.66	1.16	2.36	2.18	1.63	1.72	3.38	26.02
1896...	1.00	5.48	3.85	1.19	2.99	3.82	6.32	1.45	1.81	3.45	3.30	0.40	35.06
1897...	1.60	2.77	2.87	2.53	5.30	1.83	3.68	3.13	1.30	1.35	4.09	3.21	33.66
1898...	3.23	1.60	3.04	1.95	6.13	1.98	5.07	8.44	2.08	5.26	3.15	3.16	45.09
1899...	2.27	3.71	3.69	1.15	4.49	2.93	1.90	4.85	4.25	0.78	2.13	1.83	33.98
1900...	2.07	3.40	3.00	1.43	1.33	2.88	3.14	4.72	1.41	1.25	2.69	1.62	28.94
1901...	1.83	0.53	3.60	2.88	5.98	1.13	1.52	2.99	2.16	1.15	1.29	4.75	29.81
1902...	3.28	3.98	2.98	2.73	0.29	4.76	3.68	2.26	4.01	5.81	1.49	4.57	39.84
1903...	3.67	4.19	3.76	3.24	0.46	5.63	1.76	5.82	1.95	2.62	0.88	1.92	35.90
1904...	3.11	1.54	2.72	2.07	3.45	3.99	4.76	2.95	1.69	2.78	0.54	2.39	31.99
1905...	4.15	1.15	3.17	1.39	1.73	2.79	5.01	5.28	2.80	3.65	1.51	3.39	36.02
1906...	1.76	2.10	3.25	3.35	1.28	5.00	1.74	5.39	2.39	4.07	0.54	3.34	34.21
1907...	2.66	1.81	3.33	2.12	1.45	3.43	1.99	2.59	8.27	1.54	2.63	4.43	36.25
1908...	1.78	5.01	3.27	2.33	3.48	1.05	5.51	2.43	1.50	4.15	0.89	2.07	33.47
M'ns..	2.74	2.81	3.19	2.41	3.68	3.37	3.87	3.96	2.88	3.00	2.26	2.76	36.93

HUNTINGDON, Huntingdon Co., Pa. Elevation, 650 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888...	6.04	1.83	3.26	2.66	8.41	2.85	3.61	8.53	4.13	3.49	2.95	.....	.....
1889...	2.84	0.97	3.17	4.42	7.18	5.60	5.38	1.80	4.53	3.67	6.65	3.14	49.35
1890...	3.00	5.18	3.61	4.91	6.36	4.18	4.56	4.40	3.55	5.04	1.38	3.35	49.52
1891...	3.58	4.84	4.48	1.92	1.89	4.15	4.49	3.80	2.07	3.13	2.39	4.18	40.92
1892...	4.22	1.86	5.11	2.29	6.24	6.44	3.48	4.03	2.81	0.12	3.04	1.55	41.19
1893...	2.10	5.27	2.07	4.61	7.79	2.37	2.39	3.49	3.50	3.70	2.46	2.46	42.21
1894...	1.82	3.44	1.07	3.19	9.20	3.56	1.57	1.26	7.56	2.93	1.81	4.21	41.62
1895...	5.16	0.46	1.42	1.97	3.01	4.78	3.15	1.46	1.26	1.09	1.07	2.99	27.82
1896...	2.27	3.18	3.20	2.02	2.57	7.74	4.63	2.46	6.98	2.12	3.40	0.77	41.34
1897...	1.65	4.69	3.95	3.86	4.69	4.27	3.13	3.38	3.31	1.74	5.16	3.19	43.02
1898...	4.68	1.47	5.00	2.04	6.16	2.29	2.97	5.18	0.95	8.46	2.23	2.26	43.69
1899...	2.61	3.96	5.13	1.32	4.48	2.85	3.89	4.53	3.65	1.26	3.02	3.19	39.89
1900...	2.04	3.72	3.61	1.75	4.30	2.82	2.35	2.61	0.89	3.08	4.59	1.75	33.51
1901...	1.97	0.45	4.18	5.15	5.45	2.36	6.69	5.50	3.15	0.76	1.59	6.73	43.98
1902...	2.44	2.98	5.24	3.79	1.30	7.18	4.30	1.72	3.21	5.67	0.96	5.50	44.29
1903...	3.80	5.38	4.13	3.04	1.76	6.32	4.84	6.43	3.02	3.64	1.83	1.40	45.59
1904...	3.07	2.39	4.00	4.05	2.41	6.42	7.60	4.38	0.84	1.91	0.61	1.78	39.46
1905...	3.28	1.08	4.01	1.79	4.26	4.09	4.85	6.94	2.13	4.85	2 43	4.02	43.73
1906...	2.97	1.60	4.24	2.65	3.67	4.28	2.12	5.77	1.65	3.22	0.84	4.37	37.20
1907.	4.51	1.43	5.67	2.18	2.44	4.99	4.36	3.37	8.28	2.19	2.87	3.95	46.24
1908..	3.73	4.28	6.17	3.00	9.49	2.85	5.01	3.09	1.34	1.23	0.73	3.08	44.00
M'ns..	3.22	2.88	3.94	2.98	4.91	4.40	4.07	4.01	3.28	3.01	2.48	3.19	42.37

SELINSGROVE, Snyder Co., Pa. Elevation, 455 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888...	.....	.....	.....	.....	.....	....	.....	10.12	5.35	.....	2.40	3.09	.....
1889...	4.00	1.52	2.60	3.02	9.20	5.10	4.29	6.00	5.16	3.65	9.13	2.66	56.33
1890. .	1.02	.....	.....	4.11	3.56	1.36	3.58	5.81	3.13	6.97	1.54	4.38	.... .
1891...	8.59	3.09	8.39	1.82	1.36	4.74	6.69	7.18	4.12	4.46	3.85	3.97	58.26
1892...	5.13	0.88	3.92	1.60	6.25	8.18	4.77	3.17	3.29	0.37	4.30	1.90	43.76
1893...	2.78	5.63	3.57	4.64	6.85	4.44	2.32	4.07	3.12	4.21	2.45	2.48	46.56
1894...	0.83	3.87	1.09	4.86	10.03	2.40	1.20	2.47	4.25	5.58	2.08	3.76	42.42
1895...	....	1.20	2.92	2.55	3.26	3.39	2.54	4.58	1.53	1.80	1.50	3.06	.....
1896...	0.90	5.71	4.04	1.16	2.40	2.49	6.36	2.18	3.81	4.36	3.47	0.73	37.61
1897...	1.85	3.26	3.74	3.25	4.74	2.62	5.08	1.88	2.56	1.89	6.35	3.56	40.78
1898...	4.08	2.06	3.87	2.98	5.28	1.61	5.63	6.86	0.91	6.22	2.90	2.72	45.12
1899...	1.76	4.87	4.58	1.37	4.45	4.04	2.42	4.63	4.72	1.53	3.26	2.61	40.24
1900...	2.60	3.59	3.69	1.16	0.72	2.09	3.74	2.38	1.59	3.65	3.89	2.18	31.28
1901...	2.03	0.80	4.11	3.73	7.73	2.50	5.59	8.50	3.52	1.34	1.66	4.84	46.35
1902...	3.28	3.23	5.08	3.23	0.94	8.11	4.79	1.69	5.16	4.90	1.54	4.26	46.21
1903...	4.20	4.84	3.29	4.39	1.28	7.57	4.39	4.91	3.01	3.72	1.53	3.98	47.11
1904...	3.99	3.76	3.36	3.70	6.27	3.02	5.04	2.53	4.68	2.40	0.70	2.45	41.90
1905...	4.29	1.50	5.36	2.10	2.02	3.00	3.26	6.03	2.67	3.79	2.40	3.69	40.11
1906...	3.09	2.02	4.57	4.17	3.20	6.81	4.67	3.44	2.15	5.25	1.04	4.14	44.55
1907...	3.26	1.50	3.89	1.96	3.30	4.80	2.41	3.38	5.95	3.86	3.02	6.77	44.10
1908...	1.46	4.68	5.04	3.45	6.41	1.72	9.45	3.14	1.92	3.10	0.43	1.84	42.64
M'ns..	3.11	3.c6	4.06	2.96	4.46	4.00	4.41	4.52	3.46	3.65	2.83	3.29	43.81

SMETHPORT, McKean Co., Pa. Elevation, 1,493 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1839...	.....	2.83	3.32	1.46	4.39	5.48	7.37	1.46	2.85	0.42	2.36	7.30	.....
1840...	1.53	2.17	5.07	2.74	2.48	3.94	2.40	5.10	2.93	3.58	2.33	2.30	36.57
1841...	4.60.	0.96	.....	.....	1.32	.....	2.26	2.41	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1888...	.....	.....	.....	....	.....	5.02	1.41	6.78	3.63	7.66	4.01	2.21	.....
1889...	.....	2.72	.....	.....	9.21	5.93	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1891...	.....	.....	.....	.....	.....	5.66	8.14	5.15	2.15	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1893...	.....	.....	.....	4.60	4.90	3.68	3.56	4.15	2.92	3.65	2.83	6.07	.....
1894...	4.20	3.35	1.86	4.22	11.33	3.65	2.03	3.15	6.32	3.37	2.52	3.45	49.45
1895...	4.10	1.10	2.35	2.46	2.12	4.00	2.83	3.27	2.08	0.83	3.45	3.85	32.44
1896...	1.60	3.55	4.23	1.88	3.34	5.38	7.19	2.27	6.82	3.52	2.41	1.85	44.04
1897...	*1.60	*2.75	4.22	3.43	2.90	2.95	.....	3.25	.....	0.65	5.93	3.25	.....
1898...	3.42	1.35	5.57	2.35	4.59	4.50	2.30	6.08	2.40	4.95	4.00	2.10	43.61
1899...	2.30	2.85	3.60	1.40	5.33	8.68	5.40	1.70	.....	2.58	1.88	.....	....
1900...	2.52	1.00	3.65	1.25	1.88	1.98	3.65	2.90	1.67	5.10	4.65	0.40	30.65
1901...	2.40	0.60	4.10	5.70	5.16	3.73	4.70	5.64	5.27	1.10	4.50	4.45	47.35
1902...	.....	1.80	2.35	2.75	3.30	.....	9.33	1.25	2.23	2.12	2.75	.....	.....
1903...	4.20	4.90	4.00	2.49	2.70	.....	.....	6.14	3.40	3.11	3.23	1.61	.....
1904...	.....	.....	3.55	2.34	4.30	3.45	4.29	6.66	6.36	2.81	0.75	1.85	.....
M'ns..	2.95	2.28	3.68	2.79	4.32	4.14	4.46	3.96	3.65	3.03	3.17	3.13	41.56

* Interpolated.

SOUTH EATON, Wyoming Co., Pa. Elevation, 660 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889...	.....	.....	.....	.....	.....	.....	.....	.....	3.32	4.11	5.52	2.32	.....
1890...	1.60	3.09	4.46	1.81	7.47	2.81	2.72	7.53	2.05	5.18	0.78	3.31	42.81
1891...	5.47	3.48	4.54	2.85	1.06	2.17	4.88	4.15	1.35	3.71	2.84	3.88	40.38
1892...	5.38	0.91	4.53	1.20	5.49	4.50	3.14	2.85	2.97	0.77	2.88	0.86	35.48
1893...	2.69	5.49	3.03	3.53	5.12	2.98	3.83	5.41	2.21	1.88	1.94	2.46	40.57
1894...	1.65	2.79	0.80	2.76	7.26	1.09	1.98	2.22	3.69	6.50	2.27	3.41	36.42
1895 ..	2.35	1.33	1.62	3.60	3.40	4.50	2.81	2.07	1.68	2.26	2.44	4.26	32.32
1896...	0.52	4.11	4.45	1.13	2.86	2.62	4.66	3.06	2.45	4.94	4.16	1.11	36.07
1897...	1.89	2.49	2.40	3.11	5.29	3.92	3.38	3.23	2.24	1.12	3.96	4.13	37.16
1898...	3.93	1.43	3.16	2.73	3.67	1.63	1.64	6.30	1.90	4.49	3.27	2.02	36.17
1899...	1.98	3.58	3.96	2.30	2.24	2.58	2.39	3.38	2.16	1.16	2.71	2.81	31.25
1900...	2.10	3.47	3.75	0.97	1.97	3.52	4.09	1.93	1.84	1.98	3.21	2.17	31.00
1901 ..	0.92	0.81	3.73	4.21	6.70	3.01	5.32	5.76	2.66	1.94	1.69	6.16	42.91
1902...	1.42	5.26	4.06	2.22	1.34	6.61	5.41	2.27	8.15	7.05	1.00	6.09	50.88
1903...	2.78	4.53	4.83	3.29	1.31	6.74	3.86	6.19	1.93	5.23	2.09	3.85	46.63
1904...	2.97	1.67	2.56	3.21	3.00	3.74	5.94	3.40	3.71	3.54	1.06	1.90	36.70
1905...	3 52	1.31	4.45	1.85	1.59	2.35	3.42	5.42	4.66	3.51	1.51	2.83	36.42
1906...	1.97	3.07	5.71	3.67	3.87	6.61	3.72	4.15	2.63	4.28	1.58	3.88	45.14
1907...	2.64	1.70	1.46	1.25	2.27	5.27	4.35	1.59	5.55	3.86	3.65	5.28	38.87
1908...	2.34	4.37	4.40	2.52	5.62	2.75	3.45	1.21	1.38	.....	.....	.....	.....
M'ns..	2.53	2.89	3.57	2.54	3.76	3.65	3.74	3.80	2.93	3.55	2.56	3.30	38.82

STATE COLLEGE, Center Co., Pa. Elevation, 1,191 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1882...	.....	.....	.....	.....	.....	.....	.....	.. ...	3.64	2.20	0.96	1.22	.....
1883...	2.69	3.42	1.90	2.08	4.22	6.24	.....	2.18	2.31	2.13	1.49	2.12	.....
1884...	3.27	3.56	4.29	1.73	2.37	1.67	3.08	1.65	.....	....	1.70	2.17	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887...	1.25	5.15	1.08	2.23	2.11	3.65	4.68	2.10	3.69	0.46	1.44	2.25	30.09
1888...	3.46	1.72	2.85	2.79	6.26	2.61	2.78	6.16	3.12	3.76	2.71	2.07	40.29
1889..	1.97	1.34	2.53	3.65	4.98	5.87	4.68	3.15	3.67	3.36	6.48	3.29	44.97
1890...	2.78	4.31	3.85	3.75	6.77	2.34	2.44	5.46	2.29	5.24	1.46	3.19	43.88
1891...	4.11	5.29	4.07	1.47	1.94	4.24	5.65	5.40	2.20	4.38	2.98	4.08	45.81
1892...	3.98	1.73	3.78	2.09	5.79	7.36	3.26	5.78	2.24	0.28	3.62	1.07	40.98
1893...	1.94	5.71	1.88	5.13	6.46	3.94	4.10	3.14	2.22	3.23	3.04	2.42	43.21
1894...	1.75	3.39	1.14	3.85	9.45	4.60	2.10	2.23	5.78	3.14	1.59	3.14	42.16
1895...	4.18	0.22	1.03	2.23	2.21	6.74	3.11	3.70	1.75	1.03	1.74	2.75	30.99
1896...	1.40	4.10	2.82	1.47	1.37	5.02	5.56	1.56	5.02	3.29	3.11	1.04	35.76

STATE COLLEGE, Center Co., Pa. Elevation, 1,191 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897...	2.21	3.19	4.53	3.78	4.13	3.03	5.69	3.39	3.60	1.45	5.26	3.18	43.44
1898...	4.40	1.14	5.63	2.29	4.28	3.53	2.95	4.70	0.93	6.51	2.28	3.07	41.71
1899...	2.60	3.42	4.23	1.71	4.77	2.41	2.14	2.75	3.84	1.40	3.06	2.53	34.87
1900...	1.65	3.39	3.81	1.93	2.30	2.54	3.36	2.95	0.63	3.32	4.10	1.77	31.75
1901...	1.82	0.73	3.71	4.62	6.14	2.40	3.60	8.97	2.35	0.40	2.06	6.59	43.45
1902...	3.02	2.92	4.91	3.13	0.92	6.71	5.76	1.37	2.59	4.25	1.44	4.82	41.84
1903...	3.50	3.61	4.18	3.81	1.24	7.28	4.04	6.85	2.61	3.51	1.89	1.67	44.19
1904...	2.72	3.28	4.04	5.42	2.10	4.19	6.30	1.74	1.86	2.18	0.42	1.78	36.03
1905...	3.19	1.23	3.92	2.49	3.74	3.98	3.86	4.28	1.88	2.83	2.65	3.40	37.45
1906...	2.50	1.18	3.77	2.12	1.81	3.00	5.18	4.19	2.69	3.31	1.06	2.91	33.72
1907...	3.82	1.30	4.27	2.75	3.14	4.63	1.47	3.00	6.57	2.91	3.00	3.47	40.33
1908...	2.55	5.19	5.58	3.06	9.02	1.37	4.24	2.68	1.50	1.34	0.81	3.02	40.36
M'ns..	2.67	2.78	3.64	3.03	4.06	4.18	3.91	3.72	2.87	2.75	2.41	2.92	38.94

TOWANDA, Bradford Co., Pa. Elevation, 754 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894...	....	......	......	......	......	......	......	......	......	5.97	1.94	3.07	......
1895...	1.95	0.50	1.28	1.70	2.50	3.64	2.84	2.49	1.47	1.19	2.22	3.57	25.41
1896...	0.84	3.96	3.85	0.93	2.38	2.17	4.57	2.97	2.73	5.57	2.75	0.57	33.32
1897...	1.21	1.56	2.20	2.30	3.73	2.11	4.81	1.78	2.93	1.17	2.80	2.78	29.38
1898...	2.52	1.48	2.59	3.29	3.56	3.04	3.15	6.84	1.98	5.86	1.91	1.97	39.19
1899...	1.80	2.52	2.55	1.84	2.10	4.52	2.47	5.43	2.03	1.21	3.39	2.82	32.68
1900...	1.36	2.90	3.48	1.31	1.38	3.49	3.49	3.44	0.69	2.83	3.53	1.99	29.89
1901...	0.91	0.45	3.92	4.65	7.58	4.26	3.51	4.79	3.95	1.31	2.43	6.00	43.70
1902...	1.72	3.35	4.07	2.36	1.06	4.86	7.77	2.02	4.58	3.35	1.11	2.95	39.20
1903...	2.62	2.73	3.83	2.37	0.89	5.05	4.85	4.63	1.24	4.98	2.66	2.42	38.27
1904...	2.72	1.00	2.73	2.48	4.89	5.03	3.96	4.32	4.70	3.18	6.69	1.59	37.35
1905...	2.62	0.44	3.20	2.30	1.48	4.72	3.28	4.83	2.97	3.79	1.34	2.56	33.53
1906...	1.22	1.19	4.26	2.61	4.43	4.87	3.51	3.55	2.30	3.55	1.46	2.65	35.60
1907...	2.82	1.10	1.35	2.28	1.92	3.16	2.07	1.13	8.31	3.12	2.30	3.24	32.80
1908...	2.06	3.13	2.86	2.88	5.63	3.09	3.72	2.15	1.18	2.55	0.64	1.99	31.88
M'ns..	1.88	1.88	3.01	2.38	3.11	3.86	3.86	3.60	2.93	3.31	2.14	2.68	34.64

WELLSBORO, Tioga Co., Pa. Elevation, 1,327 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1864...	1.45	0.70	5.30	4.70	10.02	1.85	2.50	5.42	......	2.30	2.05	2.21	......
1865...	2.36	1.96	5.30	2.23	4.82	5.42	7.95	3.34	4.00	2.65	2.85	0.51	43.39
1866...	0.80	2.10	1.50	2.47	2.15	3.45	4.15	3.85	6.75	2.25	4.25	2.30	36.02
1867...	1.05	2.55	2.05	4.48	12.40	1.70	3.25	4.60	*1.30	2.65	*1.33	1.80	39.16
1868...	3.05	1.17	2.05	3.60	5.76	3.17	1.00	3.21	7.90	2.15	4.80	2.05	39.91
1869...	3.15	1.70	3.10	1.95	4.50	4.52	4.55	3.35	6.45	2.60	2.90	4.20	42.97
1870...	4.15	3.50	3.95	8.65	2.20	3.30	6.75	4.05	4.50	3.20	0.75	1.10	46.10
1871...	1.70	1.60	5.45	2.30	2.35	2.80	6.55	6.25	0.25	1.15	1.60	1.30	33.30
1872...	0.90	1.50	1.01	1.45	1.80	7.42	5.20	5.50	......	7.25	1.80	2.10	......
1873...	2.92	1.85	5.20	4.67	4.10	3.27	6.05	5.25	3.48	......	......	......	......
1874...	2.68	5.05	2.70	6.05	0.90	2.70	4.65	3.55	4.41	4.10	2.85	0.78	40.42
1875...	1.00	0.90	1.90	1.75	......	4.95	2.25	5.10	2.40	......	0.90	3.95	......
1876...	0.85	4.60	5.65	1.90	2.95	.....	5.30	0.95	5.45	1.10	2.10	2.20	.....
1877...	2.45	0.83	5.75	1.00	0.95	......	2.85	2.15	2.70	7.00	1.95	0.62	.. ..
1878...	3.41	2.40	2.20	.....	5.15	6.95	5.15	3.75	2.00	......	4.65	4.40	......
1879...	1.65	2.13	1.75	8.38	3.86	6.52	7.08	5.24	2.06	0.44	3.99	4.15	......
1880...	8.71	5.52	7.20	7.45	4.65	9.09	12.30	8.05	8.40	5.18	3.82	4.64	85.07
1881...	4.99	9.97	3.74	1.54	5.72	17.47	3.57	1.45	1.80	3.23	3.74	9.57	66.79
1882...	5.62	7.86	7.41	2.50	9.12	9.80	10.57	9.52	5.96	0.79	4.04	4.37	74.86
1883...	7.12	10.78	7.21	6.31	8.81	9.26	10.24	2.86	3.27	2.42	2.54	1.27	72.09
1884...	8.09	10.93	10.08	2.31	9.36	4.88	8.67	1.95	3.20	3.02	7.27	7.37	77.13
1885...	5.81	3.72	2.00	2.51	2.15	2.72	3.77	15.25	2.55	7.50	4.04	5.89	57.91
1886...	2.17	0.95	8.25	10.77	1.51	2.01	4.63	2.79	4.11	1.88	7.71	2.46	49.24
1887...	4.40	5.04	0.66	3.44	3.70	3.96	7.03	2.61	2.42	2.54	2.35	2.35	40.50
1888...	3.70	4.54	3.60	2.49	3.16	3.90	3.50	5.75	1.75	6.69	3.68	5.91	48.68
1889...	7.02	2.98	3.24	8.15	3.45	10.04	3.06	0.83	2.71	5.61	9.07	3.93	60.09
1890...	1.98	2.28	6.03	4.03	7.80	5.14	2.65	6.89	4.39	4.69	0.93	4.97	51.78
1891...	6.53	3.46	2.72	1.07	1.30	4.07	3.43	3.57	2.30	2.44	4.11	4.01	39.01
1892...	3.67	2.21	4.56	0.61	6.69	6.84	2.15	4.73	1.18	0.33	2.55	0.40	37.92
1893...	4.92	6.55	5.09	5.38	6.58	1.42	2.50	4.59	2.03	2.88	3.00	4.21	49.15
1894...	2.25	2.25	0.24	8.69	10.23	1.80	3.88	2.05	5.85	3.81	3.06	4.07	48.27
1895...	3.00	0.85	2.90	2.21	6.44	3.50	3.22	4.65	1.12	1.62	2.67	6.55	38.73
1896...	1.50	4.34	3.00	0.91	1.87	3.92	5.67	0.88	3.03	5.40	0.82	0.95	32.29
1897...	2.23	2.30	3.55	2.55	5.53	2.85	5.46	1.84	3.40	0.67	5.21	3.09	38.68
1898...	1.72	1.33	4.78	4.43	4.70	2.70	2.04	5.13	2.24	8.62	2.83	2.68	43.20
1899...	3.42	2.54	2.75	3.07	2.15	4.09	3.37	3.49	2.97	2.63	2.90	3.78	37.16
1900...	3.04	4.90	2.90	1.22	2.50	2.90	2.90	3.67	0.55	5.01	6.11	0.97	36.67
1901...	1.27	0.80	2.53	4.46	4.23	4.17	2.27	5.04	2.14	0.39	3.59	5.06	36.55
1902...	1.54	2.70	2.67	2.86	2.05	6.17	9.48	1.29	3.32	2.14	0.50	5.18	39.90
1903...	1.80	3.55	5.19	2.70	2.12	4.87	5.27	3.37	1.10	5.68	2.42	1.35	39.54
1904...	2.95	...	......	......	......	......	......	....	.....	.....	......	......	......
....	.....	......	.....	......	.....	......	......	......	......	......	......	......	......
1906...	......	0.60	......	1.17	4.22	2.96	2.19	4.07	3.04	4.06	0.99	2.04	......
1907...	2.35	0.80	1.72	3.28	2.15	4.39	2.14	1.17	5.58	2.76	2.52	2.93	31.79
1908...	2.28	3.83	3.86	3.16	5.19	1.93	4.12	3.53	1.37	1.76	1.07	2.26	34.36
M'ns..	3.20	3.31	3.84	3.69	4.67	4.92	4.90	4.20	3.39	3.40	3.23	3.33	46.08

WILLIAMSPORT, Lycoming Co., Pa. Elevation, 530 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1873...	3.00	2.05	3.72	3.30	2.95	3.76	5.32	6.98	1.56	5.66	1.92	3.21	43.43
1874...	2.57	2.83	2.92	5.13	1.26	1.91	2.72	3.61	4.10	2.06	2.70	1.45	33.20
1875...	2.34	1.99	3.57	3.50	0.80	0.50	3.10	6.35	4.10	4.92	1.68	3.40	36.25
1876...	1.37	3.76	4.21	2.[illegible]	1.93	......	......	......	8.88	1.29	4.27	2.58	......
1877...	2.96	1.50	3.10	1.82	1.75	4.85	4.15	3.15	3.95	7.65	4.50	1.09	40.47
1878...	6.15	2.84	.....	......	......	......	......	.....	......	......	......	......	......

WILLIAMSPORT, Lycoming Co., Pa. Elevation, 530 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895...	......	0.59	1.16	2.17	2.37	4.99	1.93	2.30	2.12	1.13	1.95	2.35	......
1896...	1.76	3.81	4.17	1.03	1.77	3.98	4.16	2.96	3.18	5.70	2.55	0.89	36.59
1897...	1.45	2.99	3.00	2.25	2.85	3.89	4.77	5.83	2.99	1.08	3.46	3.64	38.80
1898...	3.76	1.56	3.44	2.81	4.95	2.73	1.15	4.75	0.81	5.92	1.97	2.86	36.71
1899...	1.46	3.71	4.36	1.71	2.36	4.25	2.00	4.15	2.94	3.26	2.13	4.63	36.96
1900...	2.31	3.72	3.63	0.81	2.35	2.89	2.57	2.89	1.01	2.35	3.26	2.15	29.94
1901...	1.40	0.66	3.63	5.57	6.34	2.99	3.29	5.18	3.21	1.59	2.59	6.05	42.50
1902...	3.61	4.81	4.05	2.43	1.45	5.61	6.02	1.69	5.65	2.10	1.31	3.74	42.47
1903...	3.95	3.24	3.96	3.67	1.88	5.49	6.08	5.05	1.43	4.22	2.33	2.85	44.15
1904...	3.64	1.10	5.11	3.63	5.28	3.07	5.59	2.13	2.60	2.24	0.51	2.63	37.53
1905...	4.55	1.01	3.61	1.65	2.09	3.13	5.95	5.78	2.95	3.18	2.38	3.77	40.05
1906...	1.51	1.18	4.49	3.22	2.14	3.64	3.26	5.32	3.42	4.87	0.89	2.60	36.54
1907...	3.38	0.94	2.22	2.14	2.02	7.16	1.88	0.94	4.19	2.14	2.42	4.11	33.54
1908...	2.62	5.08	3.60	3.69	5.22	2.15	8.01	3.93	1.29	3.66	0.56	2.36	42.17
M'ns..	2.83	2.47	3.58	2.81	2.72	3.72	4.00	4.06	3.21	3.45	2.28	2.97	38.10

YORK, York Co., Pa. Elevation, 381 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888...	2.70	2.20	3.78	1.17	5.10	2.23	2.84	5.65	4.05	2.24	2.68	3.62	38.26
1889...	4.30	2.20	3.40	3.91	5.65	5.13	4.34	2.83	6.87	4.03	8.28	1.05	51.99
1890...	1.84	2.85	5.44	1.94	6.65	3.29	1.77	5.65	4.55	6.60	0.80	3.29	44.67
1891...	3.65	3.37	6.07	2.01	2.39	3.98	10.77	3.29	1.88	3.20	2.13	4.20	46.94
1892...	6.08	1.25	5.87	1.70	4.10	3.81	8.59	2.81	2.66	0.14	4.44	2.13	43.58
1893...	1.76	4.76	1.76	4.37	6.53	2.50	1.58	3.40	1.57	3.03	3.55	2.22	37.03
1894...	1.34	4.20	1.58	4.48	4.40	3.06	2.22	2.93	9.16	4.24	2.09	3.90	43.60
1895...	4.03	0.98	2.50	3.73	2.73	3.10	1.41	2.41	4.01	2.36	1.80	3.33	32.39
1896...	0.94	4.88	4.20	1.45	2.53	3.92	4.00	1.05	2.54	3.44	3.10	0.45	32.50
1897...	1.55	4.59	2.51	3.42	6.61	2.42	3.69	4.04	2.73	2.60	5.69	3.37	43.22
1898...	3.07	1.15	3.00	2.71	6.86	1.08	3.47	6.44	1.82	4.31	4.75	3.58	42.54
1899...	3.61	6.64	5.16	1.28	5.71	3.54	5.32	6.76	6.07	0.92	3.59	1.18	49.78
1900...	2.12	4.62	3.08	1.35	1.85	4.81	2.36	4.09	3.18	1.51	2.81	2.52	34.30
1901...	2.72	0.53	3.94	2.51	2.55	1.55	3.33	6.27	2.36	1.59	2.50	6.17	36.02
1902...	2.73	6.74	4.80	3.41	1.24	5.15	5.74	4.22	4.12	6.40	2.30	6.15	53.00
1903...	4.67	6.13	4.72	3.21	1.18	6.21	4.26	6.96	2.72	3.51	1.89	2.90	48.36
1904...	4.39	1.08	2.93	1.36	2.21	4.49	3.47	......	......	2.62	1.75	2.30	......
1905...	4.30	2.09	3.80	2.70	2.05	5.17	6.60	9.16	2.58	4.13	2.19	3.75	49.10
1906...	2.70	1.89	4.23	4.45	3.46	5.53	2.90	6.85	1.34	6.92	0.86	5.39	46.52
1907...	2.51	2.95	2.86	2.45	2.51	4.77	6.39	2.34	4.87	2.91	3.65	4.65	42.86
1908...	1.88	4.86	3.52	1.85	7.53	1.17	9.57	3.00	2.15	1.53	0.70	2.17	39.93
M'ns..	2.85	3.33	3.77	2.64	4.02	3.66	4.51	4.51	3.56	3.25	2.94	3.25	42.29

Greatest Precipitation in 24 hours.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Emporium	1.33	2.06	2.10	1.60	5.85	2.10	2.47	1.95	2.41	1.58	1.80	1.81	5.85
Everett	2.10	1.75	1.40	1.65	1.50	3.19	2.55	2.00	1.90	2.07	1.90	2.96	3.19
Gettysburg	1.24	1.79	1.37	2.70	3.12	3.47	2.05	4.98	2.50	1.90	1.49	2.27	4.98
Harrisburg	1.81	2.35	2.13	2.00	5.10	1.81	2.25	4.70	5.04	2.49	1.9[illegible]	1.92	6.16
South Eaton	1.65	2.20	2.53	1.51	2.29	2.16	1.51	2.33	1.92	2.56	2.72	2.15	2.72
State College	1.17	1.33	1.85	1.82	2.70	4.01	1.98	3.10	2.40	2.11	2.12	2.00	4.01
Wellsboro	1.82	2.94	2.75	3.36	3.13	7.45	2.75	2.10	2.94	4.25	3.90	3.11	7.45
Williamsport	2.65	2.40	2.26	2.69	1.77	3.2[illegible]	2.67	4.26	2.28	3.17	1.96	3.09	4.26

Average number of Rainy Days.
(.01 inch or more precipitation).

Emporium	11	9	11	11	13	11	11	9	9	9	10	11	125
Everett	8	6	10	9	10	11	10	10	7	7	7	6	101
Gettysburg	10	9	10	10	13	11	10	11	8	9	7	9	117
Harrisburg	11	10	12	10	13	12	12	10	9	8	9	11	12[illegible]
South Eaton	10	9	11	9	11	10	10	9	8	8	8	9	112
State College	12	10	13	11	13	12	12	10	9	9	10	11	132
Wellsboro	10	9	11	9	11	11	11	10	8	10	9	9	118
Williamsport	8	6	9	9	10	11	11	8	7	7	7	8	101

Average (or Normal) Snowfall (unmelted).

Emporium	12.9	12.8	9.8	1.8	T.	0	0	0	0	T.	3.0	11.3	51.6
Everett	11.2	9.4	7.5	1.4	T.	0	0	0	0	T	2.4	5.8	37.7
Gettysburg	9.0	13.1	7.7	0.5	0	0	0	0	0	0	3.1	8.7	42.1
Harrisburg	7.7	10.4	7.4	1.0	0	0	0	0	0	0	1.5	5.6	33.6
South Eaton	9.2	12.7	9.1	0.8	0	0	0	0	0	0	3.2	8.7	43.7
State College	10.9	12.2	10.0	3.0	T.	0	0	0	0	T.	2.8	8.8	47.7
Wellsboro	12.8	11.8	10.8	2.8	0.1	0	0	0	0	0.1	3.0	12.7	54.1
Williamsport	9.9	10.2	9.5	4.0	0	0	0	0	0	T.	1.6	8.3	43.5

Greatest and Least Precipitation.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Emporium	4.79	5.91	6.18	5.03	9.61	7.64	12.35	7.75	7.91	6.24	5.13	5.40	63.26
"	1.17	0.50	1.24	1.29	1.06	1.89	1.32	1.12	0.99	0.60	0.64	0.94	34.16
Everett	4.10	5.00	5.53	5.16	6.72	8.67	7.02	10.35	4.76	8.23	4.58	5.54	46.72
"	2.10	0.90	2.97	1.25	1.16	2.03	2.15	1.39	0.89	0.35	0.43	1.15	35.38
Gettysburg	4.37	7.11	4.66	5.20	10.95	6.47	6.90	8.95	7.60	5.26	6.47	5.82	46.36
"	0.75	1.21	1.21	2.21	1.88	1.09	1.18	1.69	1.24	2.13	0.71	0.60	36.18
Harrisburg	5.14	5.48	4.81	3.96	9.51	7.18	8.68	8.44	8.27	6.40	6.59	4.75	57.07
"	1.00	0.53	1.30	1.15	0.29	1.05	1.16	1.45	1.30	0.15	0.54	0.40	26.02
South Eaton	5.47	5.49	5.71	4.21	7.47	6.74	5.94	7.53	8.15	7.05	5.52	6.16	50.88
"	0.52	0.81	0.80	0.97	1.06	1.09	1.64	1.21	1.35	0.77	0.78	0.86	31.00
State College	4.40	5.71	5.63	5.42	9.45	7.36	6.30	8.97	6.57	6.51	6.48	6.59	45.81
"	1.40	0.22	1.03	1.47	0.92	1.37	1.47	1.37	0.63	0.28	0.42	1.04	30.69
Wellsboro	7.02	6.55	6.03	8.69	10.23	10.04	9.48	6.89	5.85	8.62	9.07	6.55	60.09
"	1.27	0.66	0.24	0.61	1.30	1.42	2.04	0.83	0.55	0.33	0.50	0.40	31.79
Williamsport	4.55	5.08	5.11	5.57	6.34	7.16	8.01	5.83	5.65	5.92	3.46	6.05	43.64
"	1.40	0.59	1.16	0.81	1.45	2.15	1.15	0.94	0.81	1.13	0.51	0.89	29.94

Normal Monthly and Annual Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Emporium	21	26.2	24.8	35.5	47.3	59.2	67.2	70.7	68.2	62.2	50.1	39.4	29.9	48.4
Everett	11	27.5	24.2	39.3	47.4	59.7	66.9	72.2	69.5	63.3	51.6	39.3	29.7	49.2
Gettysburg	33	28.5	30.3	39.2	50.1	61.0	69.0	73.8	71.4	64.3	50.7	40.4	31.6	50.9
Grampian	40	22.9	24.0	31.5	44.7	57.2	66.7	70.6	67.8	60.8	48.1	35.8	26.4	46.4
Harrisburg	33	28.7	29.9	37.8	50.7	61.7	70.3	74.5	72.1	64.9	54.0	41.7	32.8	51.6
Huntingdon	21	28.6	27.9	38.3	49.1	60.4	68.4	72.0	70.5	64.5	51.9	41.4	32.1	50.4
Selinsgrove	20	28.7	26.2	38.5	49.5	61.4	69.6	73.7	71.5	64.8	52.1	41.6	31.3	50.7
South Eaton	19	26.5	25.5	35.3	46.8	58.4	66.7	70.6	68.6	62.3	50.7	39.7	30.0	48.4
State College	21	26.4	25.2	35.4	47.3	59.1	66.9	70.7	68.7	62.9	50.5	39.5	30 1	48.6
Towando	14	24.7	22.8	34.7	46.2	58.3	66.2	70.9	68.5	62.6	50.6	39.0	28.8	47.8
Wellsboro	30	24.6	24.6	32.3	44.2	57.0	64.6	68.9	65.6	59.7	49.0	37.7	28.9	46.4
Williamsport	19	27.1	25.9	36.2	47.7	60.6	69.0	73.1	70.2	64.0	51.7	40.3	30.3	49.7

Highest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extremes.
	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Emporium	21	67	65	80	89	98	96	97	95	90	85	73	65	98
Everett	11	72	63	92	91	92	94	100	94	94	88	75	64	100
Gettysburg	8	75	72	89	92	94	99	100	99	99	84	76	69	100
Grampian	15	60	60	81	90	94	100	98	94	90	82	72	60	100
Harrisburg	20	67	74	84	92	95	97	101	98	95	88	75	62	101
Huntingdon	21	72	68	85	93	98	99	104	102	99	92	78	68	104
Selinsgrove	20	66	61	84	94	96	99	101	100	96	90	77	69	101
South Eaton	19	68	63	83	89	90	92	97	97	92	87	72	67	97
State College	21	67	69	86	88	93	95	96	96	93	88	72	64	96
Towando	14	70	60	82	87	93	95	97	99	94	88	75	65	99
Wellsboro	21	66	62	76	86	92	94	96	96	93	88	76	65	96
Williamsport	14	66	62	83	89	96	95	98	98	95	86	79	65	98

Lowest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extremes.
	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Emporium	21	-29	-28	-13	15	24	35	38	35	28	15	8	-18	-29
Everett	11	-21	-20	-3	16	25	33	41	40	28	18	1	-8	-21
Gettysburg	8	-12	-8	8	18	29	40	41	40	32	21	5	0	-12
Grampian	15	-32	-24	-14	14	23	34	39	34	26	18	8	-10	-32
Harrisburg	20	-5	-13	5	22	34	43	50	50	36	28	11	4	-13
Huntingdon	21	-19	-23	-7	16	22	36	33	38	28	17	0	-9	-23
Selinsgrove	20	-24	-22	-11	20	27	30	40	40	29	18	5	-10	-24
South Eaton	19	-25	-14	-13	15	25	38	42	39	30	19	10	-6	-25
State College	21	-17	-20	-6	16	27	30	41	30	28	20	9	-5	-20
Towando	14	-31	-17	-19	18	22	35	38	35	27	17	10	-16	-31
Wellsboro	21	-25	-25	-12	14	21	32	34	33	26	13	6	-28	-28
Williamsport	14	-17	-17	-4	19	30	38	47	45	31	23	12	-3	-17

Average number of days with maximum 90° or above.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Scranton	0	0	0	0	0	1	3	1	0	0	0	0	6
Harrisburg	0	0	0		0	2	5	3	1	0	0	0	11

Average number of days with minimum of 32° or below.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Scranton	27	27	18	7	0	0	0	0	0	3	16	26	123
Harrisburg	24	23	15	3	0	0	0	0	0	1	9	22	96

Greatest Monthly and Annual Range of Temperature.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Scranton	71	68	80	65	61	52	48	52	56	60	49	70	....
Harrisburg	59	68	66	68	58	50	48	45	54	56	55	55	108

Relative Humidity (Mean of 8 a. m. and 8 p. m).

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Scranton	75	74	72	66	65	70	72	75	76	75	73	74	72
Harrisburg	76	73	71	62	67	72	71	74	76	74	74	75	72

Killing Frosts.

Stations.	Average date of first in autumn.	Average. date of last in spring.	Earliest date in autumn.	Latest date in spring.
Emporium	Oct. 7	May 11	Sept. 17, 1908.	May 29, 1902.
Everett	Oct. 8	May 5	Sept. 19, 1901.	May 23, 1905.
Harrisburg	Oct. 23	April 10	Oct. 3. 1899.	Apr. 26, 1892.
Le Roy	Oct. 7	May 6	Sept. 22, 1904.	May 29, 1902.
Scranton	Oct. 13	April 20	Sept. 22, 1904.	May 10, 1902.
State College	Oct. 2	May 9	Sept. 16, 1908.	May 29, 1902.

Prevailing Wind Direction.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Scranton	sw.	sw.	sw.	sw.	sw.	sw.	sw.	ne.	sw.	sw.	sw.	sw.	sw.
Harrisburg	w.	nw.	nw.	nw.	w.	w.	w.	w.	w.	nw.	w.	w.	w.

Average Hourly Wind Movement. (Miles per hour).

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Scranton	8.3	8.6	8.0	9.0	7.5	6 6	6.1	5.9	5.9	7.0	7.4	8.0	7.4
Harrisburg	8.3	9.3	8.9	8.7	7.1	6.0	5 7	5 1	5.5	6.6	7.5	7.8	7.2

Highest Velocities (For five minute period).

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extreme.
Scranton ....(Velocity)	42	48	36	44	42	39	36	40	36	40	36	41	48
(Direction)	w.	nw.	w.	w.	w	sw.	nw.	n.	sw.	w.	nw.	se.	nw.
Harrisburg..(Velocity)	53	50	48	48	39	43	41	40	72	48	54	64	72
............(Direction)	w.	nw.	nw.	nw.	w.	sw.	sw.	w.	s.	s.	se.	ne.	s.

STATE COLLEGE, Center Co., Pa. Elevation, 1,191 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897...	2.21	3.19	4.53	3.78	4.13	3.03	5.69	3.39	3.60	1.45	5.26	3.18	43.44
1898...	4.40	1.14	5.63	2.29	4.28	3.53	2.95	4.70	0.93	6.51	2.28	3.07	41.71
1899...	2.60	3.42	4.23	1.71	4.77	2.41	2.14	2.75	3.84	1.40	3.06	2.53	34.87
1900...	1.65	3.39	3.81	1.93	2.30	2.54	3.36	2.95	0.63	3.32	4.10	1.77	31.75
1901...	1.82	0.73	3.71	4.62	6.14	2.46	3.60	8.97	2.35	0.40	2.06	6.59	43.45
1902...	3.02	2.92	4.91	3.13	0.92	6.71	5.76	1.37	2.59	4.25	1.44	4.82	41.84
1903...	3.50	3.61	4.18	3.81	1.24	7.28	4.04	6.85	2.61	3.51	1.89	1.67	44.19
1904...	2.72	3.28	4.04	5.42	2.10	4.19	6.30	1.74	1.86	2.18	0.42	1.78	36.03
1905...	3.19	1.23	3.92	2.49	3.74	3.98	3.86	4.28	1.88	2.83	2.65	3.40	37.45
1906...	2.50	1.18	3.77	2.12	1.81	3.00	5.18	4.19	2.69	3.31	1.06	2.91	33.72
1907...	3.82	1.30	4.27	2.75	3.14	4.63	1.47	3.00	6.57	2.91	3.00	3.47	40.33
1908...	2.55	5.19	5.58	3.06	9.02	1.37	4.24	2.68	1.50	1.34	0.81	3.02	40.36
M'ns..	2.67	2.78	3.64	3.03	4.06	4.18	3.91	3.72	2.87	2.75	2.41	2.92	38.94

TOWANDA, Bradford Co., Pa. Elevation, 754 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1894...	....	......	......	......	......	......	......	......	......	5.97	1.94	3.07	......
1895...	1.95	0.50	1.28	1.70	2.50	3.64	2.84	2.49	1.47	1.19	2.22	3.57	25.41
1896...	0.84	3.96	3.85	0.93	2.38	2.17	4.57	2.97	2.73	5.57	2.75	0.57	33.32
1897...	1.21	1.56	2.20	2.30	3.73	2.11	4.81	1.78	2.93	1.17	2.80	2.78	29.38
1898...	2.52	1.48	2.59	3.29	3.56	3.04	3.15	6.84	1.98	5.86	2.91	1.97	30.19
1899...	1.80	2.52	2.55	1.84	2.10	4.52	2.47	5.43	2.03	1.21	3.39	2.82	32.68
1900...	1.36	2.90	3.48	1.31	1.38	3.49	3.49	3.44	0.69	2.83	3.53	1.99	29.89
1901...	0.91	0.45	3.92	4.65	7.58	4.26	3.51	4.79	3.95	1.31	2.43	6.00	43.75
1902...	1.72	3.35	4.07	2.36	1.06	4.86	7.77	2.02	4.58	3.35	1.11	2.95	39.20
1903...	2.62	2.73	3.83	2.37	0.89	5.05	4.85	4.63	1.24	4.98	2.66	2.42	38.27
1904...	2.72	1.00	2.73	2.48	4.89	5.03	3.96	4.32	4.70	3.18	6.69	1.59	37.35
1905...	2.62	0.44	3.20	2.30	1.48	4.72	3.28	4.83	2.97	3.79	1.34	2.56	33.53
1906...	1.22	1.19	4.26	2.61	4.43	4.87	3.51	3.55	2.30	3.55	1.46	2.65	35.60
1907...	2.82	1.10	1.35	2.28	1.92	3.16	2.07	1.13	8.31	3.12	2.30	3.24	32.80
1908...	2.06	3.13	2.86	2.88	5.63	3.09	3.72	2.15	1.18	2.55	0.64	1.99	31.88
M'ns..	1.88	1.88	3.01	2.38	3.11	3.86	3.86	3.60	2.93	3.31	2.14	2.68	34.64

WELLSBORO, Tioga Co., Pa. Elevation, 1,327 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1864...	1.45	0.70	5.30	4.70	10.02	1.85	2.50	5.42	......	2.30	2.05	2.21	......
1865...	2.30	1.96	5.30	2.23	4.82	5.42	7.95	3.34	4.00	2.65	2.85	0.51	43.39
1866...	0.80	2.10	1.50	2.47	2.15	3.45	4.15	3.85	6.75	2.25	4.25	2.30	36.02
1867...	1.05	2.55	2.05	4.48	12.40	1.70	3.25	4.60	*1.30	2.65	*1.33	1.80	39.16
1868...	3.05	1.17	2.05	3.60	5.76	3.17	1.00	3.21	7.90	2.15	4.80	2.05	39.91
1869...	3.15	1.70	3.10	1.95	4.50	4.52	4.55	3.35	6.45	2.60	2.90	4.20	42.97
1870...	4.15	3.50	3.95	8.65	2.20	3.30	6.75	4.05	4.50	3.20	0.75	1.10	46.10
1871...	1.70	1.60	5.45	2.30	2.35	2.80	6.55	6.25	0.25	1.15	1.60	1.30	33.30
1872...	0.90	1.50	1.01	1.45	1.80	7.42	5.20	5.50	......	7.25	1.80	2.10	......
1873...	2.92	1.85	5.20	4.67	4.10	3.27	6.05	5.25	3.48	......	......	......	......
1874...	2.68	5.05	2.70	6.05	0.90	2.70	4.65	3.55	4.41	4.10	2.85	0.78	40.42
1875...	1.00	0.90	1.90	1.75	......	4.95	2.25	5.10	2.40	......	0.90	3.95	......
1876...	0.85	4.60	5.65	1.90	2.95	.....	5.30	0.95	5.45	1.10	2.10	2.20	.....
1877...	2.45	0.83	5.75	1.00	0.95	......	2.85	2.15	2.70	7.00	1.95	0.62	.. ..
1878..	3.41	2.40	2.20	.....	5.15	6.95	5.15	3.75	2.00	......	4.65	4.40	......
1879...	1.65	2.13	1.75	8.38	3.86	6.52	7.68	5.24	2.06	0.44	3.99	4.15	......
1880...	8.71	5.52	7.20	7.45	4.65	9.09	12.30	*8.05	8.40	5.18	3.82	4.64	85.07
1881...	4.99	9.97	3.74	1.54	5.72	17.47	3.57	1.45	1.80	3.23	3.74	9.57	66.79
1882...	5.62	7.86	7.41	2.50	9.12	9.80	10.57	9.52	5.96	0.79	4.04	4.37	74.86
1883...	7.12	10.78	7.21	6.31	8.81	9.26	10.24	2.86	3.27	2.42	2.54	1.27	72.09
1884...	8.09	10.93	10.08	2.31	9.36	4.88	8.67	1.95	3.20	3.02	7.27	7.37	77.13
1885...	5.81	3.72	2.00	2.51	2.15	2.72	3.77	15.25	2.55	7.50	4.04	5.89	57.91
1886...	2.17	0.95	8.25	10.77	1.51	2.01	4.63	2.79	4.11	1.88	7.71	2.46	49.24
1887...	4.40	5.04	0.66	3.44	3.70	3.96	7.03	2.61	2.42	2.54	2.35	2.35	40.50
1888...	3.70	4.54	3.60	2.49	3.16	3.90	3.50	5.75	1.75	6.69	3.68	5.01	48.68
1889...	7.02	2.98	3.24	8.15	3.45	10.04	3.06	0.83	2.71	5.61	9.07	3.93	60.09
1890...	1.98	2.28	6.03	4.03	7.80	5.14	2.65	6.89	4.39	4.69	0.93	4.97	51.78
1891...	6.53	3.46	2.72	1.07	1.30	4.07	3.43	3.57	2.30	2.44	4.11	4.01	39.01
1892...	3.67	2.21	4.56	0.61	6.69	8.84	2.15	4.73	1.18	0.33	2.55	0.40	37.92
1893...	4.92	6.55	5.09	5.38	6.58	1.42	2.50	4.59	2.03	2.88	3.00	4.21	49.15
1894...	2.25	2.25	0.24	8.69	10.23	1.80	3.88	2.05	5.85	3.81	3.06	4.07	48.27
1895...	3.00	0.85	2.90	2.21	6.44	3.50	3.22	4.65	1.12	1.62	2.67	6.55	38.73
1896...	1.50	4.34	3.00	0.91	1.87	3.92	5.67	0.88	3.03	5.40	0.82	0.95	32.29
1897...	2.23	2.30	3.55	2.55	5.53	2.85	5.46	1.84	3.40	0.67	5.21	3.09	38.68
1898...	1.72	1.33	4.78	4.43	4.70	2.70	2.04	5.13	2.24	8.62	2.83	2.68	43.20
1899...	3.42	2.54	2.75	3.07	2.15	4.09	3.37	3.49	2.97	2.63	2.99	3.78	37.16
1900...	3.04	4.90	2.90	1.22	2.50	2.90	2.90	3.67	0.55	5.01	6.11	0.97	36.67
1901...	1.27	0.80	2.53	4.46	4.23	4.17	2.27	5.04	2.14	0.39	3.59	5.66	36.55
1902...	1.54	2.70	2.67	2.86	2.05	6.17	9.48	1.29	3.32	2.14	0.50	5.18	39.90
1903...	1.80	3.55	5.19	2.76	2.12	4.87	5.27	3.37	1.10	5.68	2.42	1.35	39.54
1904...	2.95	...	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....
....	.. ...	......	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1906...	.....	0.60	......	1.17	4.22	2.96	2.19	4.07	3.04	4.06	0.99	2.04	......
1907...	2.35	0.80	1.72	3.28	2.15	4.39	2.14	1.17	5.58	2.76	2.52	2.93	31.79
1908...	2.28	3.83	3.86	3.16	5.19	1.93	4.12	3.53	1.37	1.76	1.07	2.26	34.36
M'ns..	3.20	3.31	3.84	3.69	4.67	4.92	4.90	4.20	3.39	3.40	3.23	3.33	46.08

WILLIAMSPORT, Lycoming Co., Pa. Elevation, 530 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1873...	3.00	2.05	3.72	3.30	2.95	3.76	5.32	6.98	1.56	5.66	1.92	3.21	43.43
1874...	2.57	2.83	2.92	5.13	1.26	1.91	2.72	3.61	4.10	2.06	2.70	1.45	33.20
1875...	2.34	1.99	3.57	3.50	0.80	0.50	3.10	6.35	4.10	4.92	1.68	3.40	36.25
1876...	1.37	3.76	4.21	2.	1.93	.....	......	......	8.88	1.29	4.27	2.58	......
1877...	2.96	1.50	3.10	1.82	1.75	4.85	4.15	3.15	3.95	7.65	4.50	1.09	40.47
1878...	6.15	2.84	.....	.. ..	......	......	......	......	......	......	......	......	......

WILLIAMSPORT, Lycoming Co., Pa. Elevation, 530 feet.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1895...	......	0.59	1.16	2.17	2.37	4.99	1.93	2.30	2.12	1.13	1.95	2.35	......
1896...	1.76	3.81	4.17	1.03	1.77	3.98	4.16	2.90	3.18	5.70	2.55	0.89	36.59
1897...	1.45	2.99	3.00	2.25	2.85	3.89	4.77	5.83	2.99	1.68	3.46	3.64	38.80
1898...	3.76	1.56	3.44	2.81	4.95	2.73	1.15	4.75	0.81	5.92	1.97	2.86	36.71
1899...	1.46	3.71	4.36	1.71	2.36	4.25	2.00	4.15	2.94	3.26	2.13	4.63	36.90
1900...	2.31	3.72	3.63	0.81	2.35	2.89	2.57	2.89	1.01	2.35	3.26	2.15	29.94
1901...	1.40	0.66	3.63	5.57	6.34	2.99	3.29	5.18	3.21	1.59	2.59	6.05	42.50
1902...	3.61	4.81	4.05	2.43	1.45	5.61	6.02	1.69	5.65	2.10	1.31	3.74	42.47
1903...	3.95	3.24	3.96	3.67	1.88	5.49	6.08	5.05	1.43	4.22	2.33	2.85	44.15
1904...	3.64	1.10	5.11	3.63	5.28	3.07	5.59	2.13	2.60	2.24	0.51	2.63	37.53
1905...	4.55	1.01	3.61	1.65	2.09	3.13	5.95	5.78	2.95	3.18	2.38	3.77	40.05
1906...	1.51	1.18	4.49	3.22	2.14	3.64	3.26	5.32	3.42	4.87	0.89	2.60	36.54
1907...	3.38	0.94	2.22	2.14	2.02	7.16	1.88	0.94	4.19	2.14	2.42	4.11	33.54
1908...	2.62	5.08	3.60	3.09	5.22	2.15	8.01	3.93	1.29	3.66	0.56	2.36	42.17
M'ns..	2.83	2.47	3.58	2.81	2.72	3.72	4.00	4.06	3.21	3.45	2.28	2.97	38.10

YORK, York Co., Pa. Elevation, 381 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888...	2.70	2.20	3.78	1.17	5.10	2.23	2.84	5.65	4.05	2.24	2.68	3.62	38.26
1889...	4.30	2.20	3.40	3.91	5.65	5.13	4.34	2.83	6.87	4.03	8.28	1.05	51.99
1890...	1.84	2.85	5.44	1.94	6.65	3.29	1.77	5.65	4.55	6.60	0.80	3.29	44.67
1891...	3.65	3.37	6.07	2.01	2.39	3.98	10.77	3.29	1.88	3.20	2.13	4.20	46.94
1892...	6.08	1.25	5.87	1.70	4.10	3.81	8.59	2.81	2.66	0.14	4.44	2.13	43.58
1893...	1.76	4.76	1.76	4.37	6.53	2.50	1.58	3.40	1.57	3.03	3.55	2.22	37.03
1894...	1.34	4.20	1.58	4.48	4.40	3.06	2.22	2.93	9.16	4.24	2.09	3.90	43.60
1895...	4.03	0.98	2.50	3.73	2.73	3.10	1.41	2.41	4.01	2.36	1.80	3.33	32.39
1896...	0.94	4.88	4.20	1.45	2.53	3.92	4.00	1.05	2.54	3.44	3.10	0.45	32.50
1897...	1.55	4.59	2.51	3.42	6.61	2.42	3.69	4.04	2.73	2.60	5.69	3.37	43.22
1898...	3.07	1.15	3.00	2.71	6.86	1.08	3.47	6.44	1.82	4.31	4.75	3.58	42.84
1899...	3.61	6.64	5.16	1.28	5.71	3.54	5.32	6.76	6.07	0.92	3.59	1.18	49.78
1900...	2.12	4.62	3.08	1.35	1.85	4.81	2.36	4.09	3.18	1.51	2.81	2.52	34.30
1901...	2.72	0.53	3.94	2.51	2.55	1.55	3.33	6.27	2.36	1.59	2.50	6.17	36.02
1902...	2.73	6.74	4.80	3.41	1.24	5.15	5.74	4.22	4.12	6.40	2.39	6.15	53.09
1903...	4.67	6.13	4.72	3.21	1.16	6.21	4.26	6.96	2.72	3.51	1.89	2.90	48.30
1904...	4.39	1.08	2.93	1.36	2.21	4.49	3.47	....	....	2.62	1.75	2.30	......
1905...	4.30	2.09	3.80	2.70	2.65	5.17	6.60	9.16	2.58	4.13	2.19	3.75	49.10
1906...	2.70	1.89	4.23	4.45	3.46	5.53	2.90	6.85	1.34	6.92	0.86	5.30	46.52
1907...	2.51	2.95	2.86	2.45	2.51	4.77	6.39	2.34	4.87	2.91	3.65	4.65	42.86
1908...	1.88	4.86	3.52	1.85	7.53	1.17	9.57	3.00	2.15	1.53	0.70	2.17	39.93
M'ns..	2.85	3.33	3.77	2.64	4.02	3.66	4.51	4.51	3.56	3.25	2.94	3.25	42.29

Greatest Precipitation in 24 hours.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Emporium	1.33	2.06	2.10	1.60	5.85	2.10	2.47	1.95	2.41	1.58	1.80	1.81	5.85
Everett	2.10	1.75	1.40	1.65	1.90	3.19	2.58	2.00	1.90	2.07	1.90	2.96	3.19
Gettysburg	1.24	1.79	1.37	2.70	3.12	3.47	2.05	4.98	2.50	1.90	1.49	2.27	4.98
Harrisburg	1.81	2.35	2.13	2.00	6.16	1.81	2.20	4.70	5.04	2.49	1.9	1.92	6.16
South Eaton	1.65	2.20	2.53	1.51	2.29	2.16	1.51	2.33	1.92	2.56	2.72	2.15	2.72
State College	1.17	1.33	1.80	1.82	2.70	4.01	1.98	3.10	2.40	2.11	2.12	2.00	4.01
Wellsboro	1.82	2.94	2.75	3.36	3.13	7.45	2.75	2.10	2.94	4.25	3.90	3.11	7.45
Williamsport	2.65	2.40	2.20	2.69	1.77	3.20	2.67	4.26	2.28	3.17	1.90	3.09	4.26

Average number of Rainy Days.
(.01 inch or more precipitation).

Emporium	11	9	11	11	13	11	11	9	9	9	10	11	125
Everett	8	6	10	9	10	11	10	10	7	7	7	6	101
Gettysburg	10	9	10	10	13	11	10	11	8	9	7	9	117
Harrisburg	11	10	12	10	13	12	12	10	9	8	9	11	128
South Eaton	10	9	11	9	11	10	10	9	8	8	8	9	112
State College	12	10	13	11	13	12	12	10	9	9	10	11	132
Wellsboro	10	9	11	9	11	11	11	10	8	10	9	9	118
Williamsport	8	6	9	9	10	11	11	8	7	7	7	8	101

Average (or Normal) Snowfall (unmelted).

Emporium	12.9	12.8	9.8	1.8	T.	0	0	0	0	T.	3.0	11.3	51.6
Everett	11.2	9.4	7.5	1.4	T.	0	0	0	0	T	2.4	5.8	37.7
Gettysburg	9.0	13.1	7.7	0.5	0	0	0	0	0	0	3.1	8.7	42.1
Harrisburg	7.7	10.4	7.4	1.0	0	0	0	0	0	0	1.5	5.6	33.6
South Eaton	9.2	12.7	9.1	0.8	0	0	0	0	0	0	3.2	8.7	43.7
State College	10.9	12.2	10.0	3.0	T.	0	0	0	0	T.	2.8	8.8	47.7
Wellsboro	12.8	11.8	10.8	2.8	0.1	0	0	0	0	0.1	3.0	12.7	54.1
Williamsport	9.9	10.2	9.5	4.0	0	0	0	0	0	T.	1.6	8.3	43.5

Greatest and Least Precipitation.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Emporium	4.79	5.91	6.18	5.03	9.61	7.64	12.35	7.75	7.91	6.24	5.13	5.40	63.26
"	1.17	0.50	1.24	1.29	1.06	1.89	1.32	1.12	0.99	0.60	0.64	0.94	34.16
Everett	4.10	5.00	5.53	5.16	6.72	8.67	7.02	10.35	4.76	8.23	4.58	5.54	46.72
"	2.10	0.90	2.97	1.25	1.16	2.03	2.15	1.39	0.89	0.35	0.43	1.15	35.38
Gettysburg	4.37	7.11	4.66	5.20	10.95	6.47	6.90	8.95	7.60	5.26	6.47	5.82	46.36
"	0.75	1.21	1.21	2.21	1.88	1.09	1.18	1.69	1.24	2.13	0.71	0.60	36.18
Harrisburg	5.14	5.48	4.81	3.96	9.51	7.18	8.68	8.44	8.27	6.40	6.59	4.75	57.07
"	1.00	0.53	1.30	1.15	0.29	1.05	1.16	1.45	1.30	0.15	0.54	0.40	26.02
South Eaton	5.47	5.49	5.71	4.21	7.47	6.74	5.94	7.53	8.15	7.05	5.52	6.16	50.88
"	0.52	0.81	0.80	0.97	1.06	1.09	1.64	1.21	1.35	0.77	0.78	0.86	31.00
State College	4.40	5.71	5.63	5.42	9.45	7.36	6.30	8.97	6.57	6.51	6.48	6.59	45.81
"	1.40	0.22	1.03	1.47	0.92	1.37	1.47	1.37	0.63	0.28	0.42	1.04	30.69
Wellsboro	7.02	6.55	6.03	8.69	10.23	10.04	9.48	6.89	5.85	8.62	9.07	6.55	60.09
"	1.27	0.66	0.24	0.61	1.30	1.42	2.04	0.83	0.55	0.33	0.50	0.40	31.79
Williamsport	4.55	5.08	5.11	5.57	6.34	7.16	8.01	5.83	5.65	5.92	3.46	6.05	43.64
"	1.40	0.59	1.16	0.81	1.45	2.15	1.15	0.94	0.81	1.13	0.51	0.89	29.94

Normal Monthly and Annual Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Emporium	21	26.2	24.8	35.5	47.3	59.2	67.2	70.7	68.2	62.2	50.1	39.4	29.9	48.4
Everett	11	27.5	24.2	39.3	47.4	59.7	66.9	72.2	69.5	63.3	51.6	39.3	29.7	49.2
Gettysburg	33	28.5	30.3	39.2	50.1	61.0	69.0	73.8	71.4	64.3	50.7	40.4	31.6	50.9
Grampian	40	22.9	24.0	31.5	44.7	57.2	66.7	70.6	67.8	60.8	48.1	35.8	26.4	46.4
Harrisburg	33	28.7	29.9	37.8	50.7	61.7	70.3	74.5	72.1	64.9	54.0	41.7	32.8	51.6
Huntingdon	21	28.6	27.9	38.3	49.1	60.4	68.4	72.0	70.5	64.5	51.9	41.4	32.1	50.4
Selinsgrove	20	28.7	26.2	38.5	49.5	61.4	69.6	73.7	71.5	64.8	52.1	41.6	31.3	50.7
South Eaton	19	26.5	25.5	35.3	46.8	58.4	66.7	70.6	68.6	62.3	50.7	39.7	30.0	48.4
State College	21	26.4	25.2	35.4	47.3	59.1	66.9	70.7	68.7	62.9	50.5	39.5	30.1	48.6
Towando	14	24.7	22.8	34.7	46.2	58.3	66.2	70.9	68.5	62.6	50.6	39.0	28.8	47.8
Wellsboro	30	24.6	24.6	32.3	44.2	57.0	64.6	68.9	65.6	59.7	49.0	37.7	28.9	46.4
Williamsport	19	27.1	25.9	36.2	47.7	60.6	69.0	73.1	70.2	64.0	51.7	40.3	30.3	49.7

Highest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extremes.
	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Emporium	21	67	65	80	89	98	96	97	95	90	85	73	65	98
Everett	11	72	63	92	91	92	94	100	94	94	88	75	64	100
Gettysburg	8	75	72	89	92	94	99	100	99	99	84	76	69	100
Grampian	15	60	60	81	90	94	100	98	94	90	82	72	60	100
Harrisburg	20	67	74	84	92	95	97	101	98	95	88	75	62	101
Huntingdon	21	72	68	85	93	98	99	104	102	99	92	78	68	104
Selinsgrove	20	66	61	84	94	96	99	101	100	96	90	77	69	101
South Eaton	19	68	63	83	89	90	92	97	97	92	87	72	67	97
State College	21	67	69	86	88	93	95	96	96	93	88	72	64	96
Towando	14	70	60	82	87	93	95	97	99	94	88	75	65	99
Wellsboro	21	66	62	76	86	92	94	96	96	93	88	76	65	96
Williamsport	14	66	62	83	89	96	95	98	98	95	86	79	65	98

Lowest Temperature.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extremes.
	Yrs	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F	°F
Emporium	21	-29	-28	-13	15	24	35	38	35	28	15	8	-18	-29
Everett	11	-21	-20	-3	16	25	33	41	40	28	18	1	-8	-21
Gettysburg	8	-12	-8	8	18	29	40	41	40	32	21	5	0	-12
Grampian	15	-32	-24	-14	14	23	34	39	34	26	18	8	-10	-32
Harrisburg	20	-5	-13	5	22	34	43	50	50	36	28	11	4	-13
Huntingdon	21	-19	-23	-7	16	22	36	33	38	28	17	0	-9	-23
Selinsgrove	20	-24	-22	-11	20	27	30	40	40	29	18	5	-10	-24
South Eaton	19	-25	-14	-13	15	25	38	42	39	30	19	10	-6	-25
State College	21	-17	-20	-6	16	27	30	41	30	28	20	9	-5	-20
Towando	14	-31	-17	-19	18	22	35	38	35	27	17	10	-16	-31
Wellsboro	21	-25	-25	-12	14	21	32	34	33	26	13	6	-28	-28
Williamsport	14	-17	-17	-4	19	30	38	47	45	31	23	12	-3	-17

Average number of days with maximum 90° or above.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Scranton	0	0	0	0	0	1	3	1	0	0	0	0	6
Harrisburg	0	0	0		0	2	5	3	1	0	0	0	11

Average number of days with minimum of 32° or below.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Scranton	27	27	18	7	0	0	0	0	0	3	16	26	123
Harrisburg	24	23	15	3	0	0	0	0	0	1	9	22	96

Greatest Monthly and Annual Range of Temperature.

Scranton	71	68	80	65	61	52	48	52	56	60	49	70	....
Harrisburg	59	68	66	68	58	50	48	45	54	56	55	55	108

Relative Humidity (Mean of 8 a. m. and 8 p. m).

Scranton	75	74	72	66	65	70	72	75	76	75	73	74	72
Harrisburg	76	73	71	62	67	72	71	74	76	74	74	75	72

Killing Frosts.

Stations.	Average date of first in autumn.	Average. date of last in spring.	Earliest date in autumn.	Latest date in spring.
Emporium	Oct. 7	May 11	Sept. 17, 1908.	May 29, 1902.
Everett	Oct. 8	May 5	Sept. 19, 1901.	May 23, 1905.
Harrisburg	Oct. 23	April 10	Oct. 3. 1899.	Apr. 26, 1892.
Le Roy	Oct. 7	May 6	Sept. 22, 1904.	May 29, 1902.
Scranton	Oct. 13	April 20	Sept. 22, 1904.	May 10, 1902.
State College	Oct. 2	May 9	Sept. 16, 1908.	May 29, 1902.

Prevailing Wind Direction.

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Scranton	sw.	sw.	sw.	sw.	sw.	sw.	sw.	ne.	sw.	sw.	sw.	sw.	sw.
Harrisburg	w.	nw.	nw.	nw.	w.	w.	w.	w.	w.	nw.	w.	w.	w.

Average Hourly Wind Movement. (Miles per hour).

Scranton	8.3	8.6	8.0	9.0	7.5	6.6	6.1	5.9	5.9	7.0	7.4	8.0	7.4
Harrisburg	8.3	9.3	8.9	8.7	7.1	6.0	5.7	5.1	5.5	6.6	7.5	7.8	7.2

Highest Velocities (For five minute period).

Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Extreme.
Scranton.... (Velocity)	42	48	36	44	42	39	36	40	38	40	36	41	48
(Direction)	w.	nw.	w.	w.	w	sw.	nw.	n.	sw.	w.	nw.	se.	nw.
Harrisburg.. (Velocity)	53	50	48	48	39	43	41	40	72	48	54	64	72
.... (Direction)	w.	nw.	nw.	nw.	w.	sw.	sw.	w.	s.	s.	se.	ne.	s.

HYDROGRAPHIC DATA FOR SECTION 97.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY.

By M. O. LEIGHTON, *Chief Hydrographer.*

PRELIMINARY NOTE: Only the broader facts concerning the rivers are given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington. D. C.

This Section includes the central portion of Pennsylvania and is drained by the Susquehanna River and its tributaries, which commercially is the most important river system in the North Atlantic States.

The headwaters of the Susquehanna River are on the elevated plateau which separates the waters which flow south and east into the Atlantic streams from those flowing north and west into the Mississippi, St. Lawrence, and Great Lakes.

Geologically, this watershed lies in four physiographic divisions: Allegheny Plateau, Allegheny Mountains, Great Allegheny Valley, and the Piedmont Plateau.

The Susquehanna drainage has a total area of 27,400 square miles of which 21,060 square miles are included in the area under discussion, this being 47 per cent of the total area of the State of Pennsylvania.

The principal tributaries of the Susquehanna are the West Branch and the Juniata. The West Branch joins the main stream at Sunbury, Northumberland County, and the Juniata enters a few miles above Harrisburg.

Below the mouth of the West Branch the fall of the stream increases rapidly and numerous rapids occur, the fall in this portion being 400 feet in a distance of about 125 miles. Many excellent power sites are available along this portion of the river and a development has been made at York Haven. Another plant is now under construction at McCalls Ferry.

The flow of the Susquehanna River has a wide range, the maximum being between 650,000 and 700,000 second-feet and the minimum about 2,600 second-feet, as based upon data collected at McCalls Ferry.

The following tables for Harrisburg, Williamsport, Wilkesbarre and Juniata give the flow for the main stream and principal tributaries.

Monthly discharge of Juniata River at Newport, Pa., for period April 1899 to June 1906. (Drainage area 3,480 square miles).

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	46,000	1,160	6,500	1.870
February	92,100	1,580	7,920	2.280
March	292,000	2,000	17,200	4.940
April	149,000	1,790	12,100	3.480
May	71,300	1,160	4,840	1.390
June	27,000	230	3,480	1.000
July	32,500	230	3,400	0.977
August	24,100	570	2,540	0.730
September	10,300	320	1,950	0.559
October	11,700	430	1,930	0.555
November	52,500	430	2,030	0.583
December	140,000	230	6,800	1.950
The year period	292,000	230	5,890	1.690

Monthly discharge of Susquehanna River at Williamsport, Pa., for period of 1897 to 1906. (Drainage area 5,640 square miles).

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	67,900	2,140	10,100	1.790
February	93,100	1,960	9,920	1.760
March	164,000	2,140	26,400	4.680
April	108,000	4,770	17,900	3.170
May	77,500	1,960	8,600	1.520
June	41,400	1,280	5,850	1.040
July	49,000	970	5,660	1.000
August	28,100	600	4,120	0.730
September	22,400	600	2,730	0.484
October	35,800	710	3,890	0.690
November	110,000	1,120	5,810	1.030
December	151,000	1,120	10,000	1.770
The year period	164,000	600	9,250	1.040

Monthly discharge of Susquehanna River at Harrisburg, Pa., for period of 1897 to 1906. (Drainage area 24,000 square miles).

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	174,000	7,370	38,400	1.600
February	223,000	10,000	44,200	1.840
March	484,000	10,600	96,400	4.020
April	224,000	20,600	70,900	2.950
May	210,000	9,500	33,800	1.410
June	186,000	6,550	24,700	1.030
July	112,000	4,740	20,000	0.833
August	121,000	2,850	18,900	0.788
September	124,000	2,330	13,600	0.567
October	138,000	2,570	19,700	0.821
November	194,000	4,070	21,500	0.896
December	405,000	5,630	40,000	1.670
The year period	484,000	2,330	36,800	1.540

Monthly discharge of Susquehanna River at Wilkesbarre. Pa., for period April 1899 to 1906. (Drainane area 9,810 miles).

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	79,600	6,830	22,300	2.270
February	84,500	4,540	22,000	2.240
March	218,000	2,620	41,600	4.240
April	78,800	6,210	29,100	2.970
May	[illegible]4,300	2,000	9,820	1.000
June	51,300	1,810	9,200	0.938
July	57,200	1,320	7,480	0.762
August	90,000	930	6,020	0.614
September	47,600	720	5,140	0.524
October	107,000	720	9,070	0.925
November	102,000	1,180	8,270	0.843
December	166,000	2,200	20,500	2.0[illegible]
The year period	218,000	720	15,900	1.620

DAILY PRECIPITATION AND RIVER DATA DURING HIGH WATER STAGES OF MARCH 1902 AND 1904.

The following river and rainfall data, covering two periods of high water in the main stream of the Susquehanna, viz. those of March 1902, and March 1904, will serve to illustrate to some extent the rate of flow and the relative stages of the river and its tributaries. There are other times on record when the water in a single branch was higher than during either of the periods illustrated, but the two periods of high water at Harrisburg, on the main stream, were selected as better covering general flood conditions for the entire basin. The highest water ever recorded at Harrisburg was 27.1 feet on June 1st, 1889, a remarkable flood caused entirely by heavy rains over the entire basin but the data is incomplete and could not be used for this purpose. In the instances illustrated the rainfall was only moderately heavy, but was supplemented by rapidly melting snows, and by the breaking up of the ice in the streams.

The following data will be found valuable for consideration in connection with the tables of river stages and of daily precipitation.—The West Branch has a total length of 197 miles and a drainage area of 6,692 square miles. Renovo, 90 miles from its mouth, or junction with the North Branch, is the station farthest upstream from which gage readings are available for the periods under consideration. The elevation of zero on the gage at this point is 637.4 feet above sea level. From Renovo to Lock Haven, a distance of 25 miles, there is a fall of 93 feet. From Lock Haven to Williamsport, a distance of 30 miles, the fall is 52 feet, and from Williamsport to Selinsgrove, which is on the main stream about 8 miles below the junction of the west and north branches, the distance being 43 miles and the fall is 85 feet.

The total length of the North Branch is 283 miles and the drainage area is 11,364 square miles. The gage at Towanda, 139 miles from its mouth or junction with the West Branch, has an elevation at the zero mark of 693.4 feet above sea level. From Towanda to Wilkes-Barre, a distance of 79 miles, the fall is 188 feet. From Wilkes-Barre to Selinsgrove the distance is 68 miles and the fall is 94 feet.

On the main stream the distance from Selinsgrove to Harrisburg is 47 miles and the fall is 112 feet.

The Juniata river is one of the main tributaries from the west, and empties into the main stream 13 miles above Harrisburg. It has a total length of 140 miles, and a drainage area of 3,580 square miles. The gage at Huntingdon, 90 miles from its mouth, has an elevation at the zero mark of 597.4 feet above sea level. From Huntingdon to Mifflin, a distance of 50 miles, the fall is 189 feet, and from Mifflin on the Juniata to Harrisburg on the main stream, the distance is 53 miles, and the fall is 109 feet.

The width of the streams, at low water, at the various points where gage readings are given are as follows.—Lock Haven, 1,125 feet; Williamsport, 900 feet; Towanda, 800 feet; Wilkes-Barre, 700 feet; Selinsgrove, 1 mile including an island 400 feet in width; Harrisburg, 4,620 feet.

RIVER STAGES, March 1902.

	West Branch			North Branch.			Juniata		Main Stream	
Day of Month	Renovo	Lock Haven	Williamsport	Towanda	Wilkes-Barre	E. Bloomsburg	Huntingdon	Mifflin	Selinsgrove	Harrisburg
1	4.7	12.0	21.7	19.0	28.5	21.0	13.0	23.0	15.7	20.3
2	4.5	10.0	21.1	*23.0	31.4	26.0	9.0	17.0	19.3	23.9
3	4.0	7.0	16.8	21.0	30.6	26.0	7.5	13.5	19.1	23.3
4	3.6	5.0	13.0	16.5	26.6	23.0	6.0	10.0	15.9	21.4
5	3.5	3.5	10.0	11.5	21.2	17.0	5.0	8.0	12.5	16.3
6	3.5	2.0	8.1	7.1	15.7	12.0	5.0	7.0	8.5	12.2
7	3.7	1.8	6.8	5.7	10.9	9.5	4.8	7.0	6.4	9.5
8	4.0	1.7	5.9	5.3	9.6	9.0	4.8	7.0	5.5	7.0
9	12.5	1.8	5.3	5.7	8.9	9.0	5.0	6.0	5.2	5.2
10	11.0	1.5	5.5	5.8	8.9	9.0	5.0	6.0	4.4	5.0
11	8.0	1.8	6.3	6.3	8.7	9.0	6.0	6.0	6.2	6.7
12	6.3	2.1	7.1	7.9	12.0	10.0	6.5	8.0	7.1	8.3
13	5.5	3.2	9.6	11.0	17.9	12.0	9.0	10.0	8.1	10.9
14	4.5	5.0	12.2	12.0	19.4	15.0	7.3	12.0	11.1	13.4
15	4.3	4.1	10.8	10.6	18.2	13.0	6.3	10.0	10.7	13.6
16	4.0	2.1	8.4	10.0	16.8	12.0	6.3	12.0	9.0	12.0
17	3.8	4.0	13.8	11.7	18.9	13.0	6.0	13.0	10.7	12.2
18	3.6	4.8	12.7	12.3	20.1	13.0	6.0	12.5	11.9	15.0
19	3.0	3.5	10.0	9.9	18.0	12.0	6.0	10.0	10.2	13.7
20	2.5	2.8	8.1	7.8	16.9	11.0	5.5	9.0	8.5	11.3
21	2.1	2.0	6.8	5.7	14.9	8.5	5.0	8.5	7.0	9.5
22	2.0	1.8	6.0	5.7	14.1	7.0	5.0	7.5	5.4	6.0
23	2.0	1.5	5.4	5.0	13.2	7.0	5.0	7.0	4.9	5.5
24	2.0	1.4	5.0	5.0	10.9	6.5	4.8	6.5	4.6	5.3
25	2.0	1.1	4.5	4.9	10.2	6.5	4.8	6.0	4.4	5.3
26	2.0	1.0	4.2	4.5	9.5	6.0	4.8	6.0	4.1	4.7
27	2.0	0.9	3.9	4.1	8.9	6.0	4.6	6.0	3.7	3.7
28	1.8	0.8	3.7	3.8	8.3	6.0	4.6	6.0	3.5	3.7
29	1.8	1.1	3.9	4.3	7.4	6.0	4.6	6.5	3.5	4.4
30	1.8	1.5	5.6	5.3	7.0	6.0	4.6	7.0	4.7	4.4
31	......	2.0	6.2	5.0	7.0	6.6	5.0	7.0	5.1	5.3
Flood Stage....	16	12	20	16	25	20	24	27	17	17

* 24.5 feet at 1 a. m.

DAILY PRECIPITATION, February and March 1902.

	West Branch			North Branch			Juniata		Main Stream	
Day of Month	Lock Haven	Williamsport	Lewisburg	Towanda	South Eaton	Wilkes-Barre	Huntingdon	Mifflin	Selinsgrove	Harrisburg
† February.										
27	0	0	0	0	0	0	0	....	0	0
28	.97	1.59	1.17	.94	1.25	2.30	1.07	....	1.10	.57
March.										
1	.43	0	.40	.40	.28	0	.71	....	.16	0
2	.40	.42	1.16	.50	.80	.24	.49	....	.46	.47
3	0	0	0	.03	0	.40	0	....	0	0
4	0	0	0	0	0	0	0	....	0	0
5	1.90	1.48	1.80	1.20	1.00	1.40	1.90	....	1.50	1.30
6	0	0	0	.20	.30	0	*	....	.20	0
7	0	0	0	0	0	0	0	....	0	0
8	0	0	0	0	0	0	*	....	0	.01
9	.05	.24	.27	.29	.44	.52	.12	....	.26	.16
10	0	0	0	0	0	0	0	....	0	0
11	0	0	0	0	0	0	0	....	0	0
12	0	.03	0	0	0	0	0	....	0	0
13	.06	0	0	.05	0	0	.06	....	0	.06
14	0	0	0	.02	0	0	0	....	0	0
15	0	0	0	0	0	0	0	....	0	0
16	.72	1.10	1.33	.57	.35	.21	1.21	....	1.11	.30
17	.53	0	.08	.12	0	0	0	....	.40	.03
18	0	0	0	0	0	0	0	....	0	0
19	0	0	0	0	0	0	0	....	0	0
20	0	0	0	0	0	0	0	....	0	0
21	0	0	0	0	0	0	0	....	0	0
22	0	0	0	0	0	0	0	....	0	0
23	0	0	0	0	0	0	0	....	0	0
24	0	0	0	0	0	0	0	....	0	0
25	0	0	0	0	0	0	0	....	0	0
26	0	0	0	0	0	0	0	....	0	0
27	0	0	0	0	0	0	0	....	0	0

* Amount included in measurement following day.

† Last two days of February only, showing beginning of heavy rains.

RIVER STAGES, MARCH 1904.

	West Branch.			North Branch			Juniata		Main Stream	
Day of Month	Keating*	Lock Haven	Williamsport	Towanda	Wilkes-Barre	E. Bloomsburg	Huntingdon	Mifflin	Selinsgrove	Harrisburg
1	4.0	......	2.7	2.4	10.8	18.0	7.4	6.0	2.7	9.4
2	5.0	......	7.0	1.9	10.9	18.0	5.7	9.0	3.1	11.5
3	a6.0	......	7.5	1.8	11.1	18.0	6.0	7.0	4.6	11.9
4	14.5	12.5	19.0	5.5	13.3	19.0	7.7	b14.0	7.4	13.5
5	8.0	6.0	16.5	5.0	18.0	21.0	5.4	8.5	c9.0	d21.9
6	4.5	3.5	9.2	5.0	17.2	22.0	4.8	6.0	7.0	19.4
7	3.8	2.8	7.4	4.7	17.5	22.5	4.6	5.5	5.9	16.3
8	12.0	8.0	17.4	12.5	28.4	24.5	8.2	13.0	11.4	21.2
9	8.0	5.8	13.5	11.2	30.6	29.5	6.2	9.5	11.5	15.9
10	5.4	3.8	9.8	8.8	26.6	31.5	5.6	7.5	11.0	15.0
11	4.2	3.0	7.6	7.1	24.0	11.0	5.2	6.5	9.0	12.0
12	3.5	2.7	6.5	5.3	22.0	9.5	5.2	6.0	7.1	9.2
13	2.9	2.1	5.8	4.3	19.3	8.0	4.7	5.5	5.8	7.9
14	2.3	1.7	5.3	3.7	17.4	7.0	4.6	4.0	5.0	6.6
15	2.0	1.5	5.0	3.5	15.9	6.0	4.5	4.5	4.3	6.1
16	2.0	1.5	4.4	3.1	14.9	5.5	4.3	4.5	3.9	5.6
17	1.9	1.4	4.1	2.8	14.0	5.5	4.1	4.0	3.5	5.2
18	1.8	1.3	3.8	2.8	13.0	5.5	4.4	4.0	3.3	4.8
19	1.8	1.2	4.0	2.8	12.5	5.0	4.3	4.0	3.1	4.7
20	2.5	1.2	4.5	3.4	12.8	5.0	5.1	5.0	3.7	4.7
21	4.0	2.5	6.5	4.6	13.6	5.5	5.1	5.5	4.3	5.0
22	3.2	2.5	6.7	4.1	12.2	6.0	4.9	5.5	5.0	5.6
23	4.2	2.4	6.6	7.0	8.5	6.5	7.5	6.0	5.1	6.7
24	7.2	4.5	9.9	11.2	16.0	24.0	6.6	8.5	6.0	7.1
25	6.2	4.3	10.3	11.0	16.9	13.0	5.8	8.0	11.3	10.3
26	7.1	4.5	11.3	15.2	18.8	13.0	5.8	7.5	9.5	11.0
27	7.1	4.3	12.6	17.0	22.9	18.0	5.5	7.0	12.0	12.3
28	5.3	4.3	10.6	13.9	22.7	17.0	5.1	7.0	12.0	13.8
29	3.8	3.1	8.0	9.9	18.4	13.0	4.8	6.0	9.9	12.5
30	2.8	2.5	6.9	5.9	14.2	11.0	4.6	5.0	7.6	10.2
31	2.0	2.0	6.0	5.9	11.7	8.0	4.5	4.5	6.0	8.4
Flood Stage	32	12	20	16	25	28	24	27	17	17

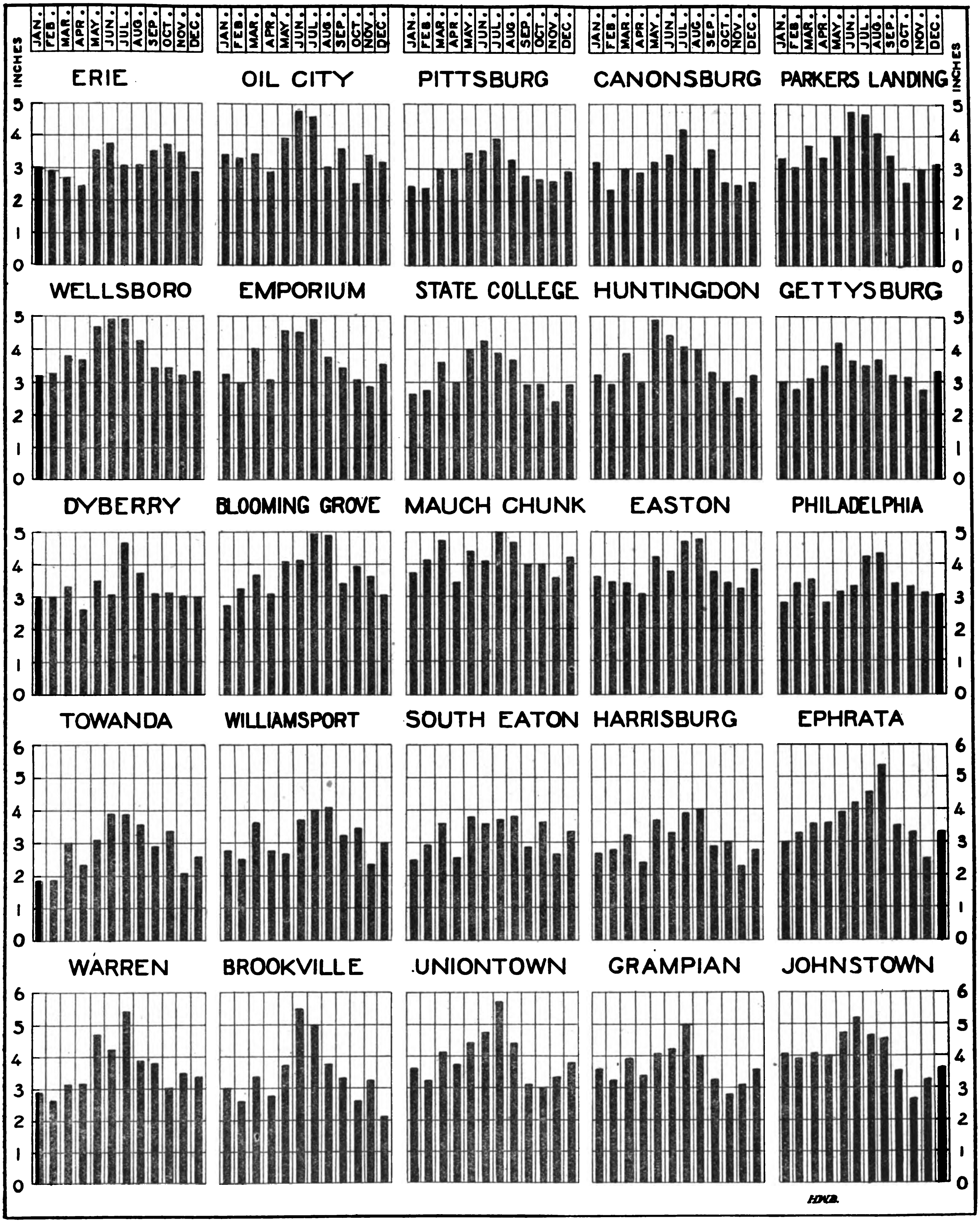
* Keating is 15 miles above Renovo and the record was used in this table in the absence of the Renovo record.

a-20.0 feet at 11 p. m. b-16.0 feet at 6 a. m. c-14.3 feet during day. d-maximum stage 23.3 feet.

DAILY PRECIPITATION, MARCH 1904.

	West Branch			North Branch			Juniata		Main Stream	
Day of Month	Renovo	Lock Haven	Williamsport	Towanda	Wilkes-Barre	E. Bloomsburg	Huntingdon	Mifflin	Selinsgrove	Harrisburg
1	.42	.30	.67	.69	.20	0	.43	.49	.57	.38
2	0	0	0	0	0	0	0	0	0	0
3	1.65	1.85	1.46	.55	1.05	0	.64	.40	.41	.21
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	*	0	0	0	0	0	0	.01
7	1.00	.60	1.25	.53	.72	0	.79	.97	.82	.83
8	0	0	0	0	0	0	0	0	0	.02
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	.20	.25	0	0	.10	0	.41	.40	.11	.10
12	0	0	0	0	0	0	.02	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	.35	.40	.31	.20	.50	0	.16	.19	.30	.32
15	.10	0	0	.10	0	0	.01	0	.10	.02
16	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	.25	.20	.25	.03	.30	0	.04	.14	.23	.16
19	*	0	.06	0	0	0	0	0	0	0
20	.08	.21	0	.01	0	0	0	0	0	0
21	*	.05	0	.05	0	0	.13	.18	.11	.07
22	.09	.21	.11	.01	0	0	.05	.05	.06	.04
23	.78	.52	.37	.25	0	0	.58	.08	.05	.04
24	0	0	0	0	0	0	0	0	0	0
25	0	.04	.03	.08	.10	0	.09	.17	.13	.05
26	0	.06	0	.05	0	0	0	0	0	.03
27	0	0	0	.01	0	0	0	0	0	0
28	0	0	0	.01	0	0	0	0	0	0
29	0	0	0	0	.05	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0
31	.25	.30	.60	.16	.60	0	.65	.05	.47	.44

* Precipitation included in that of the following day.


JAN. FEB. MAR. APR. MAY. JUN. JUL. AUG. SEP. OCT. NOV. DEC.
INCHES
ERIE
OIL CITY
PITTSBURG
CANONSBURG
PARKERS LANDING
WELLSBORO
EMPORIUM
STATE COLLEGE
HUNTINGDON
GETTYSBURG
DYBERRY
BLOOMING GROVE
MAUCH CHUNK
EASTON
PHILADELPHIA
TOWANDA
WILLIAMSPORT
SOUTH EATON
HARRISBURG
EPHRATA
WARREN
BROOKVILLE
UNIONTOWN
GRAMPIAN
JOHNSTOWN
0
1
2
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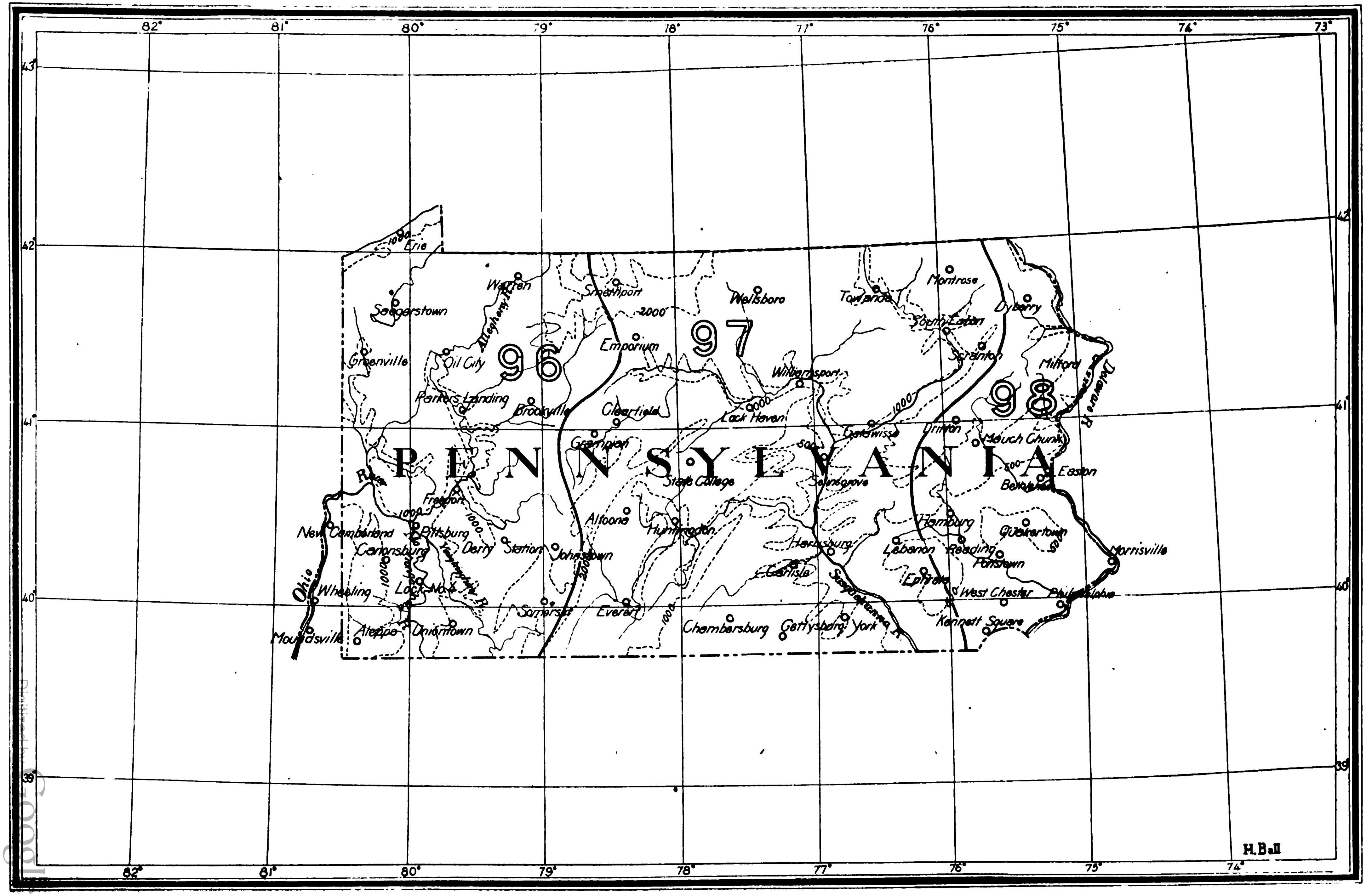
6
H.W.B.


82°
81°
80°
79°
78°
77°
76°
75°
74°
73°
43°
42°
41°
40°
39°
PENNSYLVANIA
96
97
98
Erie
1000
Saegerstown
Greenville
Warren
Allegheny R.
Oil City
Parkers Landing
Brookville
Smethport
2000
Emporium
Clearfield
Grampian
Welsboro
Williamsport
Lock Haven
1000
State College
Altoona
Huntingdon
Johnstown
2000
Everett
Somerset
Towanda
Montrose
South Eaton
Scranton
Dyberry
Milford
Delaware R.
Catawissa
Drifton
Mauch Chunk
Easton
Bethlehem
Selinsgrove
500
Harrisburg
Carlisle
Susquehanna R.
Chambersburg
Gettysburg
York
Lebanon
Hamburg
Reading
Quakertown
Pottstown
Ephrata
West Chester
Kennett Square
Philadelphia
Morrisville
Freedom
New Cumberland
Pittsburg
Canonsburg
Derry
Station
Youghiogheny R.
Lock No. 4
Wheeling
Ohio
Moundsville
Aleppo
Uniontown
H. Ball

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Chief of Division

SECTION 99—THE SOUTHERN INTERIOR AND THE SEA COAST OF NEW JERSEY

TOPOGRAPHY, DRAINAGE, ETC.

The southern interior and the sea coast of New Jersey include those sections lying to the south and southeast of the Red Sandstone Plain, and comprise slightly more than one-half of the total area of the State.

The southern interior is essentially an immense plain, the greater portion of which has an elevation of less than 100 feet. Of the 4,400 square miles comprising the southern half of the State, slightly more than one-fourth rises above 100 feet elevation, while only 15 square miles exceed 200 feet above mean tide. The highest point of land in this section (391 feet) is situated in the northern part of Monmouth County. The plain has a breadth of 25 miles at the extreme north, 57 miles at the south, and its length is 102 miles. The drainage systems of the southern part of the State are very simple, the streams as a general rule either flowing southeast to the ocean or northwest to the Delaware River. The watershed begins near the Highlands of Navesink, in the extreme northeastern portion of Monmouth County, runs westward for about 12 miles, and thence extends in a generally southwesterly direction, passing through Monmouth, Ocean, Burlington, Camden, Gloucester, Salem, and Cumberland counties, with short spurs extending eastward and westward in the southwestern counties. In its extreme northern portion the watershed has an elevation ranging from 200 to 391 feet, and there is a secondary maximum elevation of about 370 feet in the central part of Monmouth County. From the latter point the elevation decreases, being mostly depressed below 100 feet in portions of Burlington County. Although it again increases to the southward (reaching at some points slightly more than 200 feet), the southern half of the watershed is generally under 200 feet, and is depressed below 100 feet at the extreme south. The Manasquan, Metedeconk, Mullica, Toms, and Great Egg Harbor rivers, with their tributaries, drain most of the southeastern slope of the southern interior, while the extreme southern portion is drained principally by the Maurice River, flowing into the Delaware Bay. The northwestern slope of the district is drained by the numerous small streams, emptying into the Delaware River. The southeastern streams flow through broad, flat valleys, while those draining the northwestern slope are prevented from broadening their valleys by the peculiar V-shaped ravines that characterize the northwestern portion of this section of the State. Although all the streams of southern New Jersey have a relatively small fall, they are distinguished by an even flow, which produces numerous fine waterpowers. Chief among the latter are the several located on the Mullica watershed.

The soil of the southern interior is made up of alternating beds of sand, gravel, and clay, or marl. The clay and marl region includes the greater part of the northwestern slope of the watershed, and, on the whole, is the most fertile and productive part of the State. The region known as the "Pines" comprises the higher parts of the western and all of the eastern slope south of Long Branch. It is triangular in shape, beginning at a point in the northeast and widening to 50 miles at Delaware Bay, its length being a trifle less than 100 miles. Dense growths of pine forests, interspersed with swamps, cover the greater portion of this region, and only a small part of it is under cultivation. The character of the soil throughout the pines region varies generally with the altitude, the highest elevations being gravelly, the intermediate sandy, and the lowest a sandy loam.

The sea-coast section includes the narrow strip of sand beaches and tide marshes extending from Sandy Hook to Monmouth Beach, in the extreme northeastern portion of Monmouth County, and from the head of Barnegat Bay to Cape May City, together with that part of the mainland of Monmouth County that borders directly upon the Atlantic Ocean. The sand beaches are separated from the marshes by a series of bays and sounds, connected by a network of narrow, crooked channels, through which boats of light draft may pass. The beaches vary in width from a few rods to one-half mile, and are cut through by numerous inlets at intervals, ranging from more than 20 miles on the north to about 2 miles near Cape May City. Most of the well-known health and pleasure ocean resorts of New Jersey are located along this strip of sand beaches. The bays on the inside of the line of beaches increase in breadth from north to south, varying from less than 1 mile to about 6 miles. The elevation of the beaches averages only a few feet above high tide, while the dunes, formed by the action of winds and tides, generally reach a height of from 15 to 25 feet.

CLIMATIC CHARACTERISTICS.

The Atlantic Ocean on the east and Delaware Bay on the southwest exert a marked influence on the climate of southern New Jersey, the modifying effects of the ocean being most pronounced for a distance of from 5 to 10 miles inland from the coast line. The elevations above ocean level are so inconsiderable as to have no marked effect upon the temperature.

The annual mean temperature throughout the southern interior exhibits a range of only 3°, the highest (55°) occurring in the western part of Cumberland County, and the lowest (52°) in the extreme eastern part of Mercer County, the northwestern part of Burlington, and the extreme southeastern part of Ocean County. Considering the district as a whole, the lowest normal temperature occurs in February and the highest in July; the mean temperatures for February at the various stations ranging from 29° to 34°, and for July from 75° to 77°. Several stations having a long series of observations show lower normal temperatures for January than for February, and it is more than probable that extension of the shorter records will bring them into agreement with the former, thus making January normally the coldest month of the year. The change in mean temperature is least marked from December to January, January to February, and July to August. The August normal temperature is nearly 2° lower than the July normal, while the January normal, as indicated by the records up to date, is almost exactly 1° higher than for February. The seasonal normals show a considerable variability, although the march of the seasons is not quite as pronounced in this section as in the northern counties.

High maximum temperatures are of frequent occurrence in summer, the highest temperatures of the year being generally recorded in July. June and August are not exempt from occasional periods of excessive heat, and brief hot spells sometimes occur in September. The highest temperature on record for the southern interior is 107°. On the other hand, the winter months are not free from zero or lower temperatures, although such are rather infrequent in the extreme southern part of the district. The long record at Moorestown, Burlington County, covering a period of 46 years, shows an absolute minimum temperature for January of —16°, and for February —13°, the former being the lowest minimum temperature for the section of which there is authentic record. Except at rare intervals, May and September are free from freezing weather; and, therefore, the growing season is several weeks longer than in the more northern counties. Usually the first destructive frost of autumn does not occur until after the middle of the second decade of October, and killing frosts in spring have mostly ceased by April 20. Thus, under normal conditions, there is a period of practically 6 months for the growth and maturity of crops. The daily ranges of temperature are not as marked in this section as farther to the north, except in the so-called pines region, where they are often as great, or greater, than at the northern stations of higher elevation. The sandy and naturally dry soil of the region just mentioned becomes intensely heated during the day in summer, and the rapid radiation of heat at night produces the wide diurnal temperature ranges referred to.

The sea-coast division, like the southern interior, has remarkably uniform annual mean temperatures, the range, from Asbury Park on the north to Cape May City at the extreme south, being only one and one-half degrees. The daily and monthly ranges of temperature are comparatively small. The slight daily ranges of temperature at Cape May City are especially noticeable. Periods of excessive heat in summer are almost unknown in this section, although there is nearly always a high percentage of humidity during the warm months of the year. The average number of days per year with maximum temperature of 90°, or higher, along the southeastern coast is only two. While the region is not exempt from sudden changes of temperature in winter, the cold waves of that season lose much of their force on reaching the coast line.

There is a fairly uniform distribution of annual precipitation over the southern interior and the sea-coast sections. The greatest annual averages (48 inches to nearly 51 inches) occur over the extreme northern portion. Over most of Camden, Gloucester, Salem, and Cumberland counties, in the southwest, the annual precipitation varies from about 44.75 inches to practically 47 inches. It diminishes to a trifle less than 41 inches on the southeastern coast, the smallest annual averages being reported from Atlantic City and Cape May. As is the case elsewhere in the State, the months of July and August are, normally, the wettest months of the year, the summer precipitation resulting largely from local showers and thunderstorms, with excessive falls during brief periods, at times. November is the driest month of the year, although January and April receive comparatively light precipitation over numerous localities. Snow does not form any considerable percentage of the annual precipitation. Winter storms that begin as snow frequently end in rain, and as a result there is not often any marked depth of snow on the ground. A winter without a sufficient snow depth for sleighing is not uncommon on the southern coast. The annual snowfall over the northern portion ranges from 31 to 34 inches. In the extreme southern portion the annual amounts are generally slightly less than 20 inches.

LEVI A. JUDKINS,
Section Director, Weather Bureau,
Atlantic City, N. J.

Precipitation for the Southern Interior and Sea Coast divisions of New Jersey.

[Amounts estimated from surrounding stations appear in **bold-face** type]

HIGHTSTOWN, Mercer County—Elevation, 85 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1892.	......	......	......	......	......	......	......	2.25	1.89	0.45	8.59	1.36	......
1893.	3.38	5.83	4.36	5.11	3.53	3.23	2.09	5.81	3.52	6.17	4.53	3.94	51.50
1894.	2.97	3.57	2.21	4.86	8.55	1.95	1.72	2.56	7.66	5.20	4.07	4.64	49.96
1895.	4.09	1.20	3.88	4.22	2.87	3.23	3.85	1.31	0.84	4.02	3.63	2.52	35.66
1896.	2.30	6.22	5.70	1.63	4.07	4.00	5.36	0.71	4.65	2.18	3.28	1.66	41.76
1897.	2.87	3.47	2.70	3.93	6.06	4.62	12.19	4.47	0.77	2.36	5.41	3.07	51.92
1898.	4.71	3.12	3.72	4.26	6.52	1.60	4.87	6.32	2.73	4.89	7.55	4.23	54.52
1899.	3.01	6.35	7.67	1.50	2.12	2.77	5.17	3.20	4.79	2.77	3.05	1.92	44.32
1900.	3.51	4.79	3.02	2.68	5.25	2.51	7.21	2.35	3.97	3.89	4.23	2.17	45.58
1901.	2.00	1.51	4.24	6.29	5.09	1.21	8.69	9.72	3.76	2.20	3.05	7.03	54.79
1902.	3.53	6.56	3.33	3.33	2.29	6.93	4.70	3.05	5.15	9.35	2.29	7.28	57.79
1903.	3.66	5.15	4.59	7.03	0.93	8.04	5.23	4.42	4.74	7.12	1.55	3.53	55.99
1904.	3.38	2.77	3.64	4.52	3.12	3.85	7.29	8.80	2.65	3.84	2.72	3.21	49.79
1905.	4.78	2.34	3.69	2.77	3.00	2.53	3.37	4.33	4.86	2.73	2.08	3.64	40.12
1906.	**2.99**	**2.11**	**4.84**	4.07	3.90	5.72	6.38	8.02	1.07	3.54	1.25	3.70	47.59
1907.	4.24	1.92	3.44	3.60	5.79	4.44	3.40	2.43	6.48	4.14	4.19	3.84	47.91
1908.	3.52	3.62	3.63	3.50	7.18	4.39	5.69	7.17	1.62	3.20	1.04	3.75	48.31
M'ns	3.43	3.78	4.04	3.96	4.39	3.81	5.45	4.52	3.60	4.00	3.62	3.62	48.22

FREEHOLD, Monmouth County—Elevation, 187 feet

1874.	......	1.80	1.08	9.25	2.91	1.89	1.18	1.82	7.92	2.14	2.63	2.08	......
1875.	3.28	3.32	4.31	3.02	1.91	4.12	4.75	10.67	2.11	2.58	4.37	2.43	46.87
1876.	1.23	4.10	7.39	2.36	2.94	1.93	2.83	0.55	5.92	1.41	7.19	2.62	40.47
1877.	3.54	1.28	7.38	3.38	1.45	2.47	5.40	5.41	1.65	7.16	5.59	0.74	45.45
1878.	5.69	2.15	4.72	1.37	3.95	4.26	5.63	6.72	3.03	2.93	3.13	6.61	50.19
1879.	2.62	3.11	3.55	4.46	2.42	4.71	5.45	9.58	1.86	0.68	1.71	6.77	46.92
1880.	2.06	2.69	5.71	2.91	0.82	1.58	8.57	4.17	2.87	2.61	3.44	6.58	44.01

FREEHOLD, Monmouth County—Elevation, 187 feet—continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1881.	7.85	6.33	7.14	1.01	2.78	7.78	0.70	3.13	2.65	3.45	3.55	3.87	50.24
1882.	5.42	5.17	2.82	2.40	4.51	3.44	2.11	5.64	11.61	2.43	1.63	2.17	49.35
1883.	4.00	5.62	1.73	3.90	4.12	6.91	2.65	2.52	5.22	5.77	......	......	......
1884-87	....	......	......	......	......	......	......	......	......	......	......	......	......
1888.	4.94	2.99	6.40	3.70	6.18	......	3.20	4.03	8.20	2.97	3.87	3.08	......
1889.	8.30	2.23	5.34	6.31	4.99	2.92	9.89	7.98	10.63	3.45	7.26	1.45	70.75
1890.	2.53	4.25	6.43	2.68	4.28	3.58	6.06	3.68	9.97	9.96	0.96	5.13	59.51
1891.	6.72	6.03	4.63	2.20	3.82	5.33	5.24	3.36	3.85	3.32	2.24	4.16	50.90
1892.	4.41	2.62	5.49	2.99	4.79	3.18	2.95	4.70	1.41	0.46	8.70	1.68	43.38
1893.	2.50	7.16	3.68	5.15	5.16	3.84	2.47	4.67	3.27	4.89	3.66	3.23	49.68
1894.	2.53	3.45	2.15	3.92	7.02	3.59	2.61	2.34	6.19	6.41	4.08	4.90	49.19
1895.	5.03	1.20	4.23	5.26	3.37	2.20	5.16	2.83	1.44	1.39	5.10	3.39	40.60
1896.	2.26	6.93	4.96	1.92	4.33	3.80	5.15	0.68	4.02	1.99	3.66	0.93	40.63
1897.	2.35	4.35	2.61	4.18	5.14	4.59	13.60	4.11	1.64	3.15	4.87	4.67	55.26
1898.	3.32	5.08	3.93	3.83	7.97	1.29	7.07	6.82	1.43	6.79	7.75	3.77	59.05
1899.	4.64	6.76	6.80	1.62	2.10	2.38	6.27	2.21	3.85	3.28	2.19	2.16	44.26
1900.	4.33	5.59	3.75	2.27	4.35	3.00	7.12	2.41	2.28	4.38	3.78	2.16	45.42
1901.	2.47	1.00	6.23	7.07	5.92	2.05	6.11	9.36	3.29	2.65	2.64	6.81	55.60
1902.	3.36	......	4.47	3.57	1.92	6.33	4.00	3.84	3.70	......	2.48	7.80	......
1903.	4.86	......	4.93	3.81	0.71	......	......	......	......	......	......	......	......
1904-07	....	......	......	......	......	......	......	......	......	......	......	......	......
1908.	......	......	......	......	......	......	6.98	9.23	1.43	1.70	......	3.91	......
M'ns	4.01	3.97	4.69	3.64	3.84	3.63	5.12	4.71	4.29	3.52	4.02	3.72	49.16

TRENTON, Mercer County—Elevation, 60 feet

1865.	......	......	......	......	......	......	......	......	1.32	4.98	3.64	4.91	......
1866.	2.80	6.25	2.21	4.02	4.68	3.66	4.26	4.80	7.88	4.63	4.30	5.33	54.82
1867.	1.55	5.18	6.52	0.93	5.32	9.19	6.55	9.58	3.47	3.96	2.33	3.24	57.82
1868.	4.30	2.80	2.99	4.53	6.98	6.23	4.10	3.91	7.25	3.11	5.00	5.13	56.33
1869.	2.62	3.52	4.79	1.98	7.00	3.59	3.95	0.92	1.98	6.62	4.22	6.37	47.56
1870.	5.77	3.20	3.09	3.84	4.00	3.37	3.83	3.93	1.34	5.23	1.87	0.90	40.37
1871.	2.03	4.07	5.50	2.14	2.33	5.87	6.54	5.14	1.57	5.99	4.83	3.34	49.35
1872.	1.71	1.90	4.66	2.55	2.35	2.69	8.61	6.74	2.43	3.87	3.57	0.77	41.85
1873.	5.36	3.02	1.48	4.29	3.11	1.49	2.47	10.01	3.44	5.40	4.95	1.79	46.81
1874.	5.04	2.91	1.12	10.12	2.57	1.34	2.99	1.20	6.44	2.32	4.16	1.72	41.93
1875.	3.43	4.35	5.06	4.13	1.99	4.54	3.57	14.08	2.37	1.62	6.08	2.77	53.99

TRENTON, Mercer County—Elevation, 60 feet—continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1876.	0.22	4.16	6.19	2.51	3.24	2.66	6.12	1.48	7.23	1.18	6.20	1.55	42.74
1877.	2.10	1.31	5.65	2.75	0.91	4.45	7.40	5.47	3.45	6.50	8.41	2.90	51.30
1878.	7.55	2.80	3.90	1.50	4.70	5.60	4.45	4.45	3.40	1.85	4.25	5.85	50.30
1879.	2.70	2.30	5.05	5.80	1.50	8.58	4.31	9.23	1.42	0.47	2.13	6.42	49.91
1880.	3.58	2.43	5.45	4.15	0.87	2.13	15.12	3.47	4.52	3.50	2.18	2.89	50.29
1881.	3.54	5.55	......	......	......	......	......	......	......	......	......	......	......
1882-86	......	......	......	......	......	......	......	......	......	......	......	......	......
1887.	......	......	......	......	......	......	......	......	3.84	2.66	1.91	6.33	......
1888.	5.08	4.14	8.22	2.24	5.54	5.69	5.82	6.87	7.60	5.50	5.41	4.13	66.24
1889.	4.40	3.36	5.67	5.00	4.47	2.67	9.86	7.23	10.13	4.66	7.75	2.03	67.23
1890.	2.62	4.58	7.47	2.83	3.35	2.90	5.56	4.57	4.31	7.56	1.10	3.95	50.80
1891.	6.73	4.41	4.22	1.99	3.12	3.59	5.92	5.89	2.82	3.83	2.87	3.52	48.91
1892.	5.20	1.71	5.45	2.77	6.23	2.12	7.11	3.25	1.92	0.42	7.86	1.49	45.53
1893.	2.01	5.52	2.90	6.53	3.54	3.21	2.58	5.60	3.17	4.40	3.37	3.50	46.33
1894.	1.75	3.30	1.56	2.92	10.75	2.59	2.54	2.76	6.93	5.13	3.77	4.52	48.52
1895.	5.26	1.76	3.67	5.56	2.81	2.56	3.42	2.19	0.86	3.43	3.82	2.00	37.34
1896.	1.32	5.36	4.85	1.62	4.13	3.72	5.56	1.21	4.12	1.97	2.66	1.73	38.25
1897.	2.68	3.28	2.40	3.51	5.59	4.37	9.87	2.85	1.06	2.01	3.94	3.95	45.61
1898.	4.50	3.10	3.06	3.57	6.83	1.62	3.19	7.08	1.35	5.33	6.72	3.86	50.21
1899.	4.33	5.79	8.86	1.67	1.81	2.79	4.31	5.19	4.06	1.59	2.07	1.86	44.33
1900.	4.90	4.32	2.99	1.59	6.84	2.51	5.40	3.77	3.86	3.29	4.41	1.47	45.35
1901.	1.97	1.06	4.76	5.21	5.41	1.22	6.60	10.13	4.13	1.44	2.72	7.54	52.19
1902.	3.36	5.94	3.40	3.20	2.48	5.67	5.80	10.67	5.88	7.32	1.99	4.86	60.57
1903.	2.30	5.27	5.55	6.49	0.30	8.09	4.52	5.50	4.50	6.84	1.63	3.20	54.19
1904.	2.73	2.61	2.23	3.50	3.20	4.04	6.21	9.81	5.10	3.75	2.10	2.30	47.58
1905.	2.08	2.15	3.00	2.80	1.72	2.28	2.44	4.73	4.65	2.54	2.06	3.23	34.28
1906.	3.59	2.26	4.42	3.84	5.08	4.82	5.55	6.44	0.89	3.56	1.57	4.89	46.91
1907.	4.30	2.53	2.65	3.01	6.27	5.26	3.74	3.74	6.81	2.98	5.52	4.81	51.62
1908.	4.30	5.12	4.92	3.34	6.80	2.61	5.05	6.34	2.60	3.16	0.80	3.53	48.57
M'ns	3.52	3.60	4.33	3.57	4.11	3.89	5.43	5.56	3.92	3.81	3.79	3.54	49.07

IMLAYSTOWN, Monmouth County—Elevation, 106 feet

1887.	3.28	6.45	3.22	2.90	1.17	8.19	6.81	2.12	5.92	2.68	1.74	6.00	50.48
1888.	5.51	2.57	7.00	3.16	5.09	3.77	4.00	5.07	6.09	4.60	4.15	2.62	53.63
1889.	6.82	2.18	4.20	5.25	4.67	2.41	8.78	7.30	11.29	3.49	7.19	1.08	64.66
1890.	2.08	4.70	4.14	2.45	4.24	4.80	6.97	3.36	6.26	9.65	0.98	4.44	54.07
1891.	5.34	5.35	4.33	1.83	2.70	6.71	5.63	6.23	3.37	3.66	2.95	4.02	52.12
1892.	4.50	1.75	4.57	2.47	4.60	5.01	4.10	4.09	2.20	0.64	8.33	3.04	45.30
1893.	2.56	5.45	6.03	5.91	3.11	2.96	3.68	4.30	3.54	4.67	3.83	4.04	50.08
1894.	2.19	3.93	2.05	4.23	8.12	2.51	1.69	2.23	8.74	6.29	3.82	3.86	49.66
1895.	3.60	0.73	4.66	3.91	3.25	2.52	3.81	0.66	1.47	2.63	2.74	2.17	32.15
1896.	2.11	6.08	4.56	1.38	3.51	3.46	3.91	0.70	3.78	1.82	3.05	1.60	35.96
1897.	2.88	3.70	1.90	3.59	5.34	4.57	10.18	3.14	1.44	2.94	3.99	4.40	48.07
1898.	4.20	2.98	4.88	3.17	7.16	1.38	5.51	6.88	2.18	4.65	6.91	3.38	53.28
1899.	4.15	6.50	5.95	1.59	1.57	2.95	4.44	3.80	5.07	3.56	2.37	1.38	43.33
1900.	3.30	4.61	3.53	2.03	4.76	1.96	6.45	2.43	2.12	6.28	4.05	2.28	43.80
1901.	2.55	1.18	3.55	5.82	5.31	1.74	3.38	9.57	3.80	2.07	3.31	6.60	48.88
1902.	2.93	6.19	4.44	3.03	1.77	5.11	1.87	3.93	3.87	6.74	2.46	6.39	48.73
1903.	3.62	4.17	4.30	4.58	0.36	6.04	6.72	5.41	3.22	6.23	1.09	3.67	50.31
1904.	3.38	2.87	4.76	2.79	4.30	2.18	4.62	10.09	8.48	3.25	1.92	3.12	51.76
1905.	2.58	2.69	4.62	2.96	1.55	1.75	2.87	4.45	5.76	3.79	2.20	3.36	38.58
1906.	2.20	1.94	5.25	2.67	4.37	5.48	7.74	8.11	1.27	4.65	1.30	3.29	48.27
1907.	4.44	2.30	2.58	3.66	3.07	5.22	3.04	4.01	7.29	4.11	4.61	4.04	48.37
1908.	3.73	4.45	3.78	3.10	7.67	4.63	4.81	5.74	1.71	2.63	1.21	3.03	46.49
M'ns	3.54	3.76	4.29	3.29	3.99	3.92	5.05	4.71	4.49	4.14	3.37	3.54	48.09

LAKEWOOD, Ocean County—Elevation, 54 feet

1901.	......	......	......	......	......	0.87	3.81	11.38	3.11	1.69	2.17	7.46	......
1902.	2.91	5.97	3.92	2.45	2.20	8.05	3.61	3.14	3.11	5.92	2.47	7.44	51.19
1903.	4.44	4.46	4.69	3.46	1.02	6.62	7.36	8.77	3.35	8.17	1.02	3.74	57.10
1904.	2.25	2.47	3.83	3.70	5.11	2.70	5.55	6.01	2.48	2.48	1.91	3.77	42.26
1905.	3.88	3.31	4.02	2.90	0.59	4.82	6.16	3.85	5.30	2.20	1.44	4.22	42.69
1906.	3.05	2.14	4.42	3.18	3.55	6.03	6.28	8.74	0.80	4.81	1.30	3.27	47.63
1907.	3.95	2.76	2.93	4.26	5.96	......	......	......	......	......	......	......	......
M'ns	3.41	3.52	3.97	3.32	3.07	4.85	5.46	6.98	3.03	4.21	1.72	4.98	48.52

BURLINGTON, Burlington County—Elevation, 12 feet

1856.	......	......	......	......	......	......	2.43	4.63	3.12	1.42	2.86	3.77	......
1857.	4.25	2.97	1.92	6.03	5.70	6.55	5.89	6.76	1.80	3.25	1.50	5.18	51.80
1858.	3.22	2.15	......	......	......	......	......	......	......	......	......	......	......
1863.	......	......	......	......	......	......	......	......	......	......	......	5.10	......
1864.	5.10	......	4.90	4.00	6.30	1.40	2.20	2.75	......	2.00	4.00	4.90	......
1865.	4.05	5.00	4.50	3.30	4.80	4.50	1.85	3.30	2.60	4.50	3.80	5.55	47.75
1866.	2.00	5.20	2.25	4.00	4.05	3.50	2.90	3.90	8.00	4.50	2.40	4.50	47.60
1867.	1.55	4.00	3.80	1.85	8.50	8.85	5.80	10.50	1.40	4.50	2.70	3.80	57.25
1868.	4.40	2.60	1.80	......	......	......	......	......	......	......	......	......	......
1893.	2.49	4.74	4.07	3.61	4.55	2.96	3.23	4.30	4.41	6.19	3.15	4.39	48.09
1894.	1.16	4.93	1.97	3.71	10.02	3.56	2.30	2.85	5.50	4.76	5.26	6.24	52.26
1895.	4.73	0.92	3.86	4.02	3.09	5.16	3.54	2.58	0.45	2.38	2.71	2.86	36.30
1896.	2.67	5.04	5.22	1.37	1.24	5.61	2.81	2.14	4.69	2.89	3.10	1.12	37.90
1897.	1.41	2.00	13.46	4.22	5.34	5.29	8.60	6.50	1.83	1.84	5.27	5.35	51.11
1898.	4.84	3.23	2.40	3.83	7.08	1.22	3.85	6.11	1.62	5.72	7.11	3.95	50.96
1899.	4.57	6.61	7.20	1.54	2.29	2.18	7.33	4.36	5.22	3.14	2.63	1.67	48.74
1900.	3.66	3.92	2.74	2.38	5.22	2.54	3.85	2.95	4.23	4.35	4.60	2.74	43.18
1901.	3.06	0.91	4.93	5.16	6.06	2.07	7.68	12.01	4.32	2.04	3.17	8.29	59.70
1902.	3.35	4.72	3.05	3.40	2.30	7.10	4.97	8.00	6.85	5.42	2.77	7.05	58.98

BURLINGTON, Burlington County—Elevation, 12 feet—continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	3.55	4.12	4.18	4.44	0.75	5.21	7.88	8.09	3.27	8.06	1.45	3.60	54.60
1904.	1.64	2.59	4.51	4.35	3.25	2.04	6.52	8.17	4.69	3.86	2.74	2.88	47.24
1905.	2.59	2.77	4.05	3.79	2.37	1.76	2.79	6.84	4.89	3.88	2.10	3.27	41.10
1906.	2.89	1.83	5.28	3.01	3.20	6.67	6.14	9.00	2.79	3.76	1.57	3.30	49.44
1907.	4.08	2.19	3.50	3.70	5.95	5.12	3.62	4.23	6.89	4.48	5.47	4.47	53.70
1908.	3.65	4.22	3.52	3.57	7.24	2.96	6.00	4.86	1.97	2.68	1.11	3.93	45.71
M'ns	3.26	3.48	3.78	3.58	4.73	4.13	4.64	5.67	3.84	3.89	3.25	4.36	48.51

BEVERLY, Burlington County—Elevation, 30 feet

1885.	......	......	......	......	......	......	2.75	6.83	1.69	3.51	3.59	2.80	......
1886.	4.20	4.58	3.64	5.48	8.08	3.83	5.55	2.15	1.29	2.86	4.01	3.35	49.02
1887.	2.30	4.99	3.25	2.60	1.50	5.64	9.48	2.86	5.27	2.42	1.66	5.01	46.98
1888.	4.69	2.55	5.15	1.89	3.16	3.08	4.61	6.14	4.10	4.00	4.15	3.02	46.54
1889.	4.58	2.17	3.63	4.82	5.14	2.88	7.28	5.76	8.22	4.32	8.16	1.11	58.07
1890.	1.99	3.83	6.67	2.25	4.46	3.42	4.92	5.60	3.97	6.50	1.07	3.40	48.08
1891.	6.23	5.10	5.87	2.12	2.30	5.81	4.89	5.71	2.62	2.69	2.40	4.50	50.24
1892.	5.45	1.87	5.33	2.40	5.55	4.07	4.27	3.62	1.95	0.35	7.28	1.96	44.10
1893.	2.97	6.23	2.60	5.58	3.36	2.35	2.93	5.49	4.34	4.20	3.71	3.19	46.95
1894.	2.27	4.54	1.92	3.84	10.47	2.29	1.04	2.85	5.86	5.95	3.55	5.95	50.53
1895.	4.67	1.73	3.79	4.84	2.35	3.90	3.93	1.89	0.48	3.71	2.55	2.00	35.84
1896.	2.22	5.89	5.86	1.34	2.14	5.22	3.65	0.50	2.84	2.45	3.12	1.25	36.48
1897.	2.32	3.36	2.38	3.35	5.68	4.95	11.11	4.00	1.42	2.31	4.32	5.17	50.37
1898.	4.75	3.08	3.54	3.84	5.70	1.66	2.95	5.82	1.86	5.33	7.73	3.41	49.67
1899.	4.89	6.97	6.91	1.48	2.02	1.89	6.56	4.40	4.83	2.51	2.27	1.73	46.46
1900.	3.97	4.99	3.43	2.14	5.64	2.23	3.49	3.44	4.88	3.93	3.08	2.57	43.79
1901.	2.96	0.97	4.14	5.31	5.45	1.91	7.39	11.70	3.72	1.66	3.69	8.06	56.96
1902.	2.82	4.85	3.75	3.60	2.10	6.02	5.71	7.23	4.95	7.55	2.41	6.70	57.69
1903.	3.77	5.25	4.54	4.73	0.76	6.05	7.49	4.39	3.09	6.90	1.32	3.84	52.13
1904.	3.71	2.08	3.45	2.07	3.16	3.32	5.37	7.06	5.64	3.72	2.23	3.11	44.92
1905.	3.26	2.54	4.24	3.86	2.09	2.24	2.27	7.63	4.70	3.84	1.93	3.62	42.22
1906.	3.34	2.48	5.59	2.85	3.56	7.08	6.92	8.92	2.52	3.95	1.56	2.89	51.66
1907.	3.54	2.98	2.98	4.13	6.01	5.20	4.60	4.46	5.94	3.99	5.12	4.58	53.53
1908.	4.00	......	......	......	......	......	......	......	......	......	......	......	......
M'ns	3.69	3.77	4.21	3.39	4.12	3.87	5.18	5.15	3.75	3.85	3.52	3.62	48.12

RANCOCAS, Burlington County—Elevation, 68 feet

1863.	......	......	......	......	......	......	......	......	......	......	......	6.50	......
1864.	3.44	0.66	4.10	3.73	9.00	2.87	3.68	3.68	6.00	2.75	4.80	5.74	50.45
1865.	4.51	6.50	5.25	3.73	7.43	5.25	3.31	4.56	3.80	5.44	4.68	7.26	61.72
1866.	2.52	6.20	2.29	4.06	5.24	4.62	2.12	3.00	6.31	4.75	4.74	3.92	49.77
1867.	1.44	4.38	5.17	2.44	7.50	8.12	5.56	9.56	1.06	4.12	2.37	2.28	54.00
1868.	4.50	3.47	3.59	5.18	6.18	4.25	4.00	5.75	10.31	2.25	5.31	3.42	58.21
1869.	4.26	4.51	4.98	1.73	4.50	6.80	2.25	1.37	4.18	5.50	4.31	3.62	48.01
1870.	3.54	2.44	3.45	5.86	7.25	3.43	4.00	4.25	2.00	5.00	1.86	1.87	44.95
1871.	3.94	3.26	4.99	1.62	3.37	5.50	8.12	7.80	1.50	5.31	2.80	1.76	49.97
1872.	1.55	1.55	4.30	2.18	2.80	4.88	8.43	3.86	4.31	3.88	3.50	2.70	43.94
1873.	4.91	6.14	2.41	4.34	3.68	1.43	6.80	11.37	2.92	5.06	4.50	1.81	55.37
1874.	3.31	10.10	0.93	8.04	2.80	2.50	2.68	2.44	5.31	1.37	3.00	2.36	44.84
1875.	4.30	3.29	5.88	2.20	1.06	3.75	4.25	7.80	2.80	2.12	5.82	3.12	46.39
1876.	1.32	5.02	5.75	2.30	3.56	1.44	3.62	2.00	8.31	1.18	4.56	2.84	41.90
1877.	1.65	1.00	5.61	3.80	1.68	4.18	11.43	3.12	4.31	7.37	6.50	1.06	51.71
1878.	5.19	2.35	3.72	2.43	4.00	5.75	6.00	6.12	2.80	2.12	2.93	5.62	49.03
1879.	2.78	2.13	3.32	3.30	2.56	6.06	3.12	8.43	1.31	0.56	1.37	5.92	40.86
1880.	2.13	2.86	4.99	3.12	0.62	2.37	9.50	6.87	2.25	2.37	2.12	4.12	43.32
1881.	6.00	5.64	5.00	0.79	3.74	5.50	2.89	1.93	0.80	3.62	3.25	3.18	42.34
1882.	6.31	4.22	3.35	2.73	4.50	1.80	1.62	7.86	11.81	1.88	0.82	1.80	48.70
1883.	4.29	5.70	2.71	2.86	3.37	4.62	1.43	4.12	4.31	5.43	1.37	3.35	43.56
1884.	5.47	5.58	4.64	1.80	2.43	3.50	3.80	3.43	0.12	2.06	3.25	5.82	41.90
1885.	3.47	4.94	1.27	2.30	2.74	3.00	4.31	7.18	0.43	3.86	3.50	3.00	40.00
1886.	4.80	6.02	3.30	3.33	6.50	3.00	4.37	2.43	0.86	2.43	4.43	4.65	46.12
1887.	2.94	5.87	2.75	2.56	2.73	6.06	9.90	2.75	6.25	1.80	1.51	5.12	50.24
1888.	4.09	2.97	6.10	1.99	3.01	2.36	6.80	5.77	5.52	4.51	4.74	3.02	50.88
1889.	4.40	2.25	3.40	3.80	4.25	3.25	7.81	6.18	6.37	3.87	7.62	0.87	54.07
1890.	1.62	5.00	6.30	1.96	2.60	3.37	5.12	4.62	4.94	5.41	0.80	3.29	45.03
1891.	5.71	5.00	4.10	1.93	1.87	3.79	4.88	4.76	2.18	2.74	2.31	4.55	43.82
1892.	6.18	1.62	4.61	2.27	6.12	2.36	4.33	3.26	1.68	0.43	7.67	2.13	42.66
1893.	2.94	6.07	2.95	5.05	2.85	3.17	3.71	3.70	3.72	5.06	3.32	3.17	45.71
1894.	1.98	4.00	1.60	2.86	10.66	1.46	3.30	3.12	6.43	6.12	3.19	5.25	49.97
1895.	4.29	0.89	4.09	4.56	2.37	3.53	3.51	0.87	0.22	3.93	2.44	1.91	32.61
1896.	1.78	4.89	4.76	1.11	2.57	4.50	3.62	0.54	3.84	2.05	2.93	1.51	34.10
1897.	2.55	3.57	2.46	3.81	5.91	4.38	12.21	3.05	1.43	2.12	4.06	4.82	50.37
1898.	4.56	2.94	3.25	3.31	5.56	2.08	4.38	5.25	2.03	5.60	8.50	3.80	51.26
1899.	4.04	6.08	6.56	1.49	1.86	1.58	5.87	4.92	4.74	2.25	3.02	1.88	44.29
1900.	3.75	4.66	3.41	2.19	5.75	3.20	4.31	3.45	5.11	5.24	3.00	2.63	46.70
1901.	2.73	0.78	3.95	4.55	5.63	2.19	5.30	12.13	3.02	2.02	3.22	7.90	53.42
1902.	3.33	5.46	3.65	2.97	2.67	6.86	4.63	7.14	5.44	7.10	2.55	6.94	58.74
1903.	4.55	4.66	4.84	4.10	0.38	4.58	5.56	5.86	3.76	8.61	1.13	4.17	52.20
1904.	2.81	2.39	4.17	2.46	3.88	3.13	6.40	7.59	6.40	4.44	2.42	3.54	49.63
1905.	3.05	2.66	4.57	3.49	1.51	3.69	3.63	4.36	4.05	4.43	2.03	3.23	40.70
1906.	2.88	2.06	5.28	3.20	3.41	8.18	3.85	10.23	4.66	4.54	1.64	3.45	53.38
1907.	3.24	2.83	3.91	3.71	5.29	6.64	3.88	7.61	7.19	4.03	5.37	3.94	57.64
1908.	3.28	4.55	3.39	3.30	6.28	2.39	5.93	3.61	1.89	2.30	1.05	3.80	41.77
M'ns	3.61	3.98	4.02	3.12	4.08	3.94	5.03	5.09	3.97	3.75	3.47	3.67	47.73

MOORESTOWN, Burlington County—Elevation, 71 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1863.	....	....	....	....	....	2.98	5.99	4.91	1.57	2.10	2.51	4.65	....
1864.	1.88	0.56	4.61	3.33	6.81	1.61	3.08	3.02	6.28	1.79	4.06	5.17	42.20
1865.	4.14	4.90	3.42	2.72	5.52	5.09	3.11	3.41	3.25	4.23	3.45	5.77	49.01
1866.	2.68	5.18	2.07	3.16	3.75	2.41	2.07	2.73	6.21	4.47	1.83	3.56	40.12
1867.	1.13	2.87	4.10	1.41	7.38	7.56	4.24	8.86	1.12	4.27	2.25	1.83	47.02
1868.	3.77	2.44	2.68	5.09	5.87	3.42	3.60	3.67	8.27	1.62	4.91	2.98	48.32
1869.	3.82	4.86	4.63	2.12	4.65	4.95	1.98	1.26	3.23	5.70	3.75	4.54	45.49
1870.	3.12	2.97	3.48	6.80	6.59	2.80	3.51	3.69	1.28	4.82	1.95	1.59	42.60
1871.	3.95	3.50	4.39	1.50	3.41	6.11	6.22	6.82	1.61	5.51	4.34	2.51	49.87
1872.	1.34	1.41	3.98	2.36	2.64	3.84	7.20	3.76	3.34	3.73	3.46	4.46	41.52
1873.	4.94	5.96	2.03	3.59	3.56	1.70	6.97	9.29	3.68	4.96	4.45	1.52	52.65
1874.	4.30	2.62	1.42	8.40	3.61	2.20	2.75	1.65	6.14	1.42	2.64	2.23	39.38
1875.	3.30	2.39	5.10	1.15	0.85	3.73	3.64	8.79	2.75	2.13	5.06	2.68	41.57
1876.	1.52	3.78	5.78	1.39	3.63	2.54	3.63	1.90	7.94	1.00	5.17	1.54	39.82
1877.	3.28	0.53	3.79	2.64	1.79	4.67	7.43	2.35	3.29	6.83	6.30	0.90	43.80
1878.	4.69	1.99	3.09	1.74	3.50	4.98	5.92	4.14	2.76	1.98	2.84	4.90	42.53
1879.	2.47	1.61	1.98	3.85	2.41	5.97	3.36	6.15	0.67	0.47	1.52	5.57	36.03
1880.	2.04	1.79	3.33	2.78	0.65	2.19	6.64	5.98	2.49	2.16	2.22	3.78	36.05
1881.	5.24	4.83	4.54	0.67	2.86	5.59	1.53	0.81	0.94	3.39	2.82	3.07	36.29
1882.	5.82	4.29	2.65	2.33	5.03	2.17	1.40	9.44	11.71	1.60	1.28	1.84	49.56
1883.	4.05	4.78	2.33	3.08	4.70	4.51	1.57	4.07	4.77	5.22	1.48	3.25	43.81
1884.	4.36	5.33	4.64	2.03	3.29	3.81	3.78	5.08	0.16	2.29	3.40	5.37	43.54
1885.	3.43	4.23	1.08	2.82	2.85	2.57	3.08	7.16	0.57	3.48	3.77	3.07	38.11
1886.	4.66	6.02	3.54	3.16	6.80	3.18	5.17	2.44	1.02	2.47	4.21	4.01	46.68
1887.	2.92	5.32	2.85	2.42	1.88	6.20	6.59	3.17	6.09	1.93	1.68	4.92	45.97
1888.	4.44	2.11	5.39	2.02	3.16	2.67	7.03	6.25	5.30	4.14	4.04	2.69	49.24
1889.	4.07	2.27	3.85	3.84	4.59	3.44	7.94	5.50	6.10	4.03	7.02	1.01	53.66
1890.	1.79	3.62	6.00	2.14	2.77	3.11	4.00	5.49	4.57	5.76	0.98	2.99	43.22
1891.	5.07	5.28	4.80	2.32	2.33	3.56	4.61	4.52	3.33	2.80	2.30	4.60	45.52
1892.	5.64	2.73	4.84	2.53	6.10	2.14	6.48	3.70	1.75	0.38	8.61	1.99	46.89
1893.	2.88	6.30	2.68	5.93	3.26	3.99	4.35	4.79	3.72	6.16	3.60	3.52	51.18
1894.	2.32	3.93	2.14	3.54	12.88	1.69	2.05	2.96	7.57	6.86	3.86	5.88	55.68
1895.	4.80	0.94	3.97	5.12	2.64	5.05	2.94	0.63	0.47	4.27	2.87	2.20	35.90
1896.	2.81	6.41	6.13	1.25	2.77	4.48	3.12	0.76	4.15	2.54	3.18	1.25	38.85
1897.	2.41	3.58	2.75	4.00	5.38	4.58	11.35	3.12	1.42	2.60	4.64	4.95	50.78
1898.	4.76	3.46	3.40	3.69	6.60	1.86	4.01	5.04	1.66	5.42	9.07	4.00	52.97
1899.	4.46	6.30	7.33	1.61	2.37	2.08	5.69	5.32	4.12	3.00	2.73	1.82	46.83
1900.	4.08	4.95	3.56	2.40	5.79	3.00	3.96	3.53	5.58	5.28	3.30	2.81	48.24
1901.	2.83	0.84	4.35	5.91	5.78	2.21	5.53	10.37	3.21	2.50	4.23	8.18	55.94
1902.	2.95	6.45	4.22	3.63	2.45	7.30	7.05	8.44	5.29	7.59	2.50	7.34	65.21
1903.	3.69	4.71	5.28	5.33	0.44	5.65	5.44	5.40	4.42	8.79	1.18	4.48	54.90
1904.	3.02	2.40	3.83	2.61	3.23	3.07	5.69	7.08	5.84	4.00	2.04	2.93	45.74
1905.	2.87	2.79	4.24	3.12	1.31	2.93	2.85	5.66	3.81	3.84	1.87	3.59	38.88
1906.	2.85	2.06	5.37	2.71	2.66	7.33	4.11	9.43	3.99	4.20	1.70	3.34	49.75
1907.	2.93	2.86	2.66	3.68	5.34	6.85	4.45	6.48	6.74	3.89	5.49	4.25	55.62
1908.	3.91	4.07	3.61	3.33	7.39	2.55	6.09	3.94	1.82	2.14	1.04	3.56	43.45
M'ns	3.50	3.60	3.82	3.14	4.07	3.83	4.63	4.81	3.82	3.69	3.43	3.55	45.89

HADDONFIELD—Elevation, 75 feet—and CAMDEN—Elevation, 31 feet—Camden Co.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1864.	....	....	6.03	2.99	7.09	2.39	3.12	2.52	6.55	1.85	3.53	5.24	....
1865.	3.60	4.33	4.17	2.80	7.87	4.68	1.95	5.96	7.72	3.25	3.59	5.21	55.13
1866.	2.08	4.05	1.90	3.01	5.24	2.47	2.26	2.72	5.93	2.87	1.82	3.43	37.78
1867.	2.10	3.70	4.85	1.76	6.48	6.41	4.18	13.42	3.04	4.60	3.38	3.95	57.87
1868.	3.22	2.25	3.54	5.55	7.45	2.75	....	3.32	10.10	1.58	5.60	3.52	....
1869.	3.67	....	....	2.00	3.97	2.93	4.77	0.85	3.04	6.63	3.87	5.46	....
1870.	3.54	2.22	3.91	5.67	4.74	2.80	3.61	4.72	1.92	3.78	1.88	1.59	40.38
1871–90	....	....	....	....	....	....	....	....	....	....	....	....	....
1891.	4.98	5.60	6.22	2.42	2.02	4.46	5.35	3.95	2.20	3.18	2.21	4.35	46.94
1892.	5.27	1.44	6.12	2.31	6.52	2.44	6.61	2.79	2.17	0.39	6.04	2.09	44.19
1893.	2.58	5.21	2.73	5.73	3.74	3.38	3.68	4.24	4.32	4.01	3.32	3.47	46.41
1894.	1.98	3.88	1.82	3.38	12.38	1.80	2.34	3.35	6.63	5.21	3.38	4.99	51.14
1895.	4.58	1.33	3.46	5.08	2.34	4.00	2.54	1.22	0.59	3.34	2.46	2.04	32.98
1896.	2.26	6.96	4.74	1.17	1.62	4.82	2.45	0.68	2.71	2.67	3.01	1.00	34.09
1897.	2.11	2.87	2.08	3.44	5.23	4.43	6.11	4.58	0.86	2.21	3.79	4.39	42.10
1898.	4.17	3.45	3.36	3.29	5.89	1.56	4.78	9.28	1.35	4.48	7.26	3.47	52.34
1899.	4.46	6.36	6.86	1.37	1.82	1.85	4.89	5.32	3.65	2.85	1.91	1.74	43.08
1900.	4.00	4.09	3.44	1.96	4.72	2.69	3.61	2.96	5.27	4.43	3.10	2.73	43.00
1901.	3.27	0.80	3.36	5.54	5.01	1.76	5.93	11.82	4.94	1.58	3.34	9.11	56.46
1902.	3.46	5.83	4.09	3.77	2.50	6.59	6.34	4.26	5.34	7.07	2.20	7.29	58.74
1903.	4.07	5.07	4.97	3.92	0.96	7.30	4.68	6.03	....	....	....	....	....
1904–7	....	....	....	....	....	....	....	....	....	....	....	....	....
1908.	3.52	3.21	3.31	3.18	6.16	2.09	4.95	5.10	1.97	1.96	1.26	3.89	40.60
M'ns	3.45	3.82	4.05	3.35	4.94	3.50	4.21	4.72	4.02	3.40	3.35	3.95	46.76

Haddonfield, 1864 to 1870, inclusive, and 1908. Camden, 1891 to 1903, inclusive

INDIAN MILLS, Burlington County—Elevation, 76 feet—and ATCO, Camden Co.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1872.	1.08	1.90	3.32	1.15	2.29	4.37	4.18	5.28	5.38	4.05	3.73	4.31	41.04
1873.	5.82	5.84	1.88	4.11	2.85	0.99	4.75	10.44	4.20	5.94	4.61	2.85	54.28
1874.	4.40	3.12	1.00	8.99	1.72	3.25	1.78	2.30	4.78	1.82	3.09	2.57	38.82
1875.	3.55	3.29	5.91	2.48	1.74	3.50	3.12	5.32	3.46	1.65	5.93	3.46	43.41
1876.	1.26	5.33	5.95	2.10	4.54	5.75	4.61	1.66	7.43	1.73	6.78	2.60	49.83
1877.	3.85	1.42	5.37	2.92	1.53	6.03	5.56	6.21	3.69	6.78	6.02	1.25	50.63
1878.	5.02	1.79	3.14	2.38	4.11	5.07	6.52	7.31	0.97	2.31	2.90	6.21	47.73
1879.	3.25	2.40	3.40	2.40	5.38	6.29	2.23	9.20	2.64	0.57	1.54	5.57	44.87
1880.	1.45	1.99	4.95	2.34	0.65	2.31	6.37	6.16	3.16	2.53	2.25	6.29	40.45
1881.	5.72	4.58	5.41	0.62	1.92	5.19	4.69	1.23	2.28	2.32	2.67	2.83	39.46
1882.	6.32	4.58	3.17	1.95	5.36	2.93	1.56	9.56	13.65	....	....	....	....
1883–1900	....	....	....	....	....	....	....	....	....	....	....	....	....
1901.	....	....	....	....	5.77	1.55	5.05	10.25	4.92	1.59	3.79	7.04	....
1902.	2.89	6.40	4.22	3.34	1.52	8.58	5.08	2.70	5.01	5.61	3.31	7.84	56.50
1903.	3.60	4.76	4.69	3.33	0.27	4.57	4.15	5.14	3.28	7.89	1.18	4.07	46.93

INDIAN MILLS, Burlington County—Elevation, 76 feet—and ATCO, Camden Co.—cont'd

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1904.	2.43	2.51	3.50	2.61	2.02	2.63	4.06	4.30	6.03	3.39	2.05	3.77	39.30
1905.	3.54	3.82	5.06	3.27	1.51	3.74	2.20	8.02	4.26	2.43	1.96	4.26	44.07
1906.	3.13	2.20	5.79	2.92	3.35	4.25	4.69	12.48	0.92	5.63	1.99	3.87	51.22
1907.	3.18	3.45	2.93	4.61	6.03	4.73	3.06	5.53	10.51	4.37	4.94	4.71	58.05
1908.	4.12	4.27	2.66	2.68	7.14	2.79	6.58	6.09	2.08	2.76	1.29	4.59	47.05
M'ns	3.59	3.54	4.02	3.02	3.14	4.13	4.22	6.27	4.67	3.52	3.34	4.34	47.80

The record from 1872 to 1882, inclusive, is for Atco, only a few miles from Indian Mills

BILLINGSPORT LIGHT-HOUSE, Gloucester County—Elevation, 39 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893.	2.82	4.33	3.08	5.42	3.05	2.46	2.08	2.54	2.45	3.80	3.07	3.62	38.72
1894.	2.24	4.22	1.34	3.79	10.07	3.07	0.55	2.23	7.22	5.32	2.98	4.27	47.30
1895.	3.77	....	2.47	6.65	2.44	5.14	3.59	0.78	0.89	3.86	2.88	2.68	....
1896.	2.21	6.77	5.65	1.18	2.62	6.60	2.76	1.35	4.16	2.40	3.43	1.38	40.51
1897.	2.48	5.01	2.28	3.48	6.33	4.01	9.27	2.25	1.05	2.81	4.71	4.68	48.36
1898.	3.50	3.43	3.78	3.06	8.03	3.54	3.89	4.81	2.33	5.54	7.55	2.99	52.45
1899.	5.03	6.26	6.71	1.60	1.90	2.29	6.37	5.14	4.77	4.02	1.92	1.76	47.77
1900.	4.02	5.12	3.57	2.05	6.01	3.12	3.42	4.54	7.37	4.28	3.13	3.28	49.91
1901.	2.95	1.02	3.75	6.67	4.13	1.40	5.38	....	....	....	....	....	....
M'ns	3.22	4.52	3.63	3.77	4.95	3.51	4.15	2.96	3.78	4.00	3.71	3.08	45.28

CLAYTON, Gloucester County—Elevation, 126 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1885.	....	....	....	....	....	....	....	....	....	3.22	3.76	2.65	....
1886.	5.01	8.00	2.59	2.66	4.44	2.32	2.98	2.97	1.40	2.32	5.03	3.99	43.71
1887.	2.79	4.59	3.37	2.73	1.55	7.62	4.57	3.15	5.40	2.22	2.02	4.62	44.63
1888.	4.42	2.52	5.29	2.23	4.15	1.76	3.70	4.93	5.07	4.72	3.11	2.05	43.95
1889.	4.23	2.28	2.90	....	....	....	....	....	....	....	....	....	....
1890–96	....	....	....	....	....	....	....	....	....	....	....	....	....
1897.	2.25	4.46	2.08	4.06	3.93	2.12	12.22	5.06	0.46	2.62	4.85	3.89	48.00
1898.	2.79	3.37	2.56	2.88	5.80	1.74	2.95	4.11	2.24	6.72	6.27	4.21	45.64
1899.	3.58	6.54	5.18	1.80	1.69	3.06	6.61	2.92	3.62	2.27	1.79	1.69	40.75
1900.	3.59	4.80	3.04	2.49	3.42	3.18	2.53	2.97	3.70	4.06	2.83	2.60	39.21
1901.	2.73	0.84	3.21	5.38	3.57	1.31	3.57	15.62	5.58	2.46	2.76	6.28	53.31
1902.	3.81	6.25	4.27	3.51	1.71	7.63	2.95	2.26	4.05	5.63	3.16	6.11	51.34
1903.	3.09	4.99	4.50	3.53	0.37	3.09	6.71	4.30	2.12	2.67	0.98	3.72	40.07
1904.	2.17	2.33	3.44	2.00	1.86	2.24	3.25	4.19	6.98	3.55	2.38	2.35	36.74
1905.	3.02	3.85	4.17	3.46	1.56	3.63	3.18	6.05	4.66	1.78	1.95	4.23	41.54
1906.	3.22	2.46	5.72	2.94	2.37	3.69	5.18	11.58	1.93	4.26	1.65	4.20	49.20
1907.	2.55	2.19	2.60	4.15	5.18	6.00	2.30	5.79	7.62	4.08	5.85	5.59	53.90
1908.	3.41	5.09	2.35	2.57	6.29	3.53	8.12	4.87	2.30	2.21	1.20	4.36	46.30
M'ns	3.29	4.04	3.58	3.09	3.19	3.53	4.72	5.38	3.81	3.42	3.10	3.91	45.06

HAMMONTON, Atlantic County—Elevation, 80 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1892.	....	....	....	....	6.01	1.58	7.35	2.37	1.45	0.41	8.29	2.25	....
1893.	3.12	5.55	3.00	5.48	2.55	0.59	3.25	....	....	....	....	....	....
1894.	2.68	4.82	2.41	4.25	13.58	2.21	0.66	4.49	6.57	6.25	2.65	3.57	54.14
1895.	4.97	1.28	3.71	5.57	3.45	3.58	4.89	1.20	0.46	2.27	3.95	2.75	38.08
1896.	2.37	5.01	4.82	1.20	4.15	7.41	3.04	1.44	3.15	2.53	2.24	1.65	39.01
1897.	3.00	4.26	2.56	5.79	4.69	4.16	10.94	5.19	0.94	2.75	3.85	4.73	52.86
1898.	3.33	2.74	3.41	3.42	5.16	1.77	4.80	4.66	2.35	5.85	6.06	3.45	47.00
1899.	3.47	6.35	5.63	1.36	1.56	2.38	6.80	4.30	4.29	3.48	1.70	1.78	43.10
1900.	2.82	4.41	3.51	2.48	3.41	3.81	2.86	2.83	2.20	5.49	3.17	2.68	39.67
1901.	2.88	0.90	3.60	5.85	....	....	....	....	....	....	....	....	....
1902–07	....	....	....	....	....	....	....	....	....	....	....	....	....
1908.	4.52	3.78	2.79	2.43	6.10	1.62	6.53	3.76	2.41	1.62	0.99	5.09	41.64
M'ns	3.32	3.91	3.54	3.78	4.12	2.91	5.01	3.36	2.76	3.41	3.66	3.11	42.89

EGG HARBOR CITY, Atlantic County—Elevation, 63 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1886.	....	....	4.50	9.20	15.07	5.79	7.95	5.36	1.25	3.15	3.37	3.39	....
1887.	2.28	4.73	3.33	3.77	1.01	5.51	4.59	2.60	5.70	3.78	2.69	5.01	45.00
1888.	4.93	2.78	5.98	3.37	6.48	2.04	3.87	2.58	6.00	5.02	3.19	2.44	48.68
1889.	5.88	2.51	5.65	4.54	4.09	3.40	7.08	5.23	10.73	4.78	7.71	0.58	62.18
1890.	1.59	3.77	5.58	4.58	4.97	2.88	7.55	4.06	8.61	6.01	0.56	5.22	55.38
1891.	6.54	7.20	7.62	2.44	3.68	3.14	8.97	5.97	2.19	4.89	2.59	3.25	58.48
1892.	5.26	2.17	7.21	3.23	4.39	2.77	5.42	5.62	1.25	0.25	7.40	2.18	47.15
1893.	3.34	4.91	3.09	5.46	3.15	3.63	2.77	6.94	3.32	3.30	3.27	2.89	46.07
1894.	2.92	5.29	1.76	3.26	10.78	1.04	0.70	4.03	7.92	6.41	2.96	3.41	50.48
1895.	4.44	1.12	2.90	6.01	3.43	2.79	4.16	0.52	1.01	2.63	2.73	2.79	34.53
1896.	2.56	7.07	5.93	1.25	2.53	7.09	4.66	1.73	3.18	2.83	2.13	1.11	42.07
1897.	2.36	4.38	3.13	4.86	3.55	3.32	10.22	4.75	1.09	3.98	4.26	4.56	50.46
1898.	3.37	2.54	3.96	3.20	5.57	2.58	5.82	4.97	1.69	7.35	6.65	4.41	52.11
1899.	3.01	8.27	5.42	1.88	1.26	3.48	5.75	7.22	3.66	4.46	1.95	1.88	48.24
1900.	3.12	4.42	3.32	2.26	3.16	3.67	2.80	4.35	1.80	4.23	3.52	2.65	39.30
1901.	3.11	1.14	3.42	5.64	4.93	1.62	3.67	6.51	6.20	1.75	3.56	7.98	49.56
1902.	3.52	5.45	4.38	3.88	1.72	9.13	4.13	3.08	5.30	6.36	3.53	7.33	57.81
1903–06	....	....	....	....	....	....	....	....	....	....	....	....	....
1907.	....	....	....	....	....	....	....	....	....	3.25	6.95	5.47	....
1908.	4.07	3.64	2.13	2.63	6.84	1.52	2.70	3.34	3.05	2.10	1.03	4.99	38.04
M'ns	3.66	4.20	4.41	3.97	4.81	3.64	5.16	4.38	4.11	4.03	3.68	3.77	49.82

TOMS RIVER, Ocean County—Elevation, 33 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1888.	4.31	2.04	5.05	1.95	3.86	5.10	2.87	4.69	4.15	4.39	3.71	2.78	44.90
1889.	7.38	2.95	5.15	4.68	4.20	2.92	4.90	9.42	10.61	5.03	....	....	....
1890–1	....	....	....	....	....	....	....	....	....	....	....	....	....
1892.	....	....	....	....	....	3.85	5.33	2.71	1.93	0.25	9.41	2.64	....
1893.	2.50	4.63	6.26	7.12	4.87	3.26	2.17	6.40	3.94	4.48	3.05	3.89	52.57
1894.	3.30	5.62	2.65	4.12	8.60	3.05	1.13	2.17	5.47	8.23	3.53	6.39	54.26
1895.	5.61	1.43	4.46	5.74	2.91	3.13	7.73	0.35	2.71	2.50	4.57	2.55	43.69
1896.	1.75	7.61	5.72	1.62	3.87	4.81	2.86	1.22	3.79	2.81	2.27	0.93	39.26
1897.	3.21	4.86	2.58	5.30	3.19	4.78	12.03	6.21	3.12	3.78	4.26	5.31	58.63
1898.	4.02	4.88	3.88	3.93	7.82	2.56	8.75	8.58	3.21	6.10	7.15	4.10	64.98
1899.	3.89	8.18	6.06	0.48	1.79	3.10	3.52	2.98	4.38	4.11	1.80	1.71	44.00
1900.	4.44	6.41	4.36	1.90	4.66	4.77	4.21	2.63	1.95	4.73	3.47	2.78	46.31
1901.	3.00	1.65	3.91	7.24	7.03	4.36	4.83	8.62	3.47	1.80	2.13	8.46	56.50
1902.	....	....	....	....	....	....	....	....	....	4.66	3.52	7.51	....
1903.	4.49	5.02	5.34	3.66	0.39	7.18	6.98	6.76	3.50	4.17	1.13	4.23	52.85
1904.	2.40	3.05	3.62	....	....	....	....	....	....	....	....	....	....
1905.	....	....	....	2.78	0.68	2.32	2.61	3.58	4.19	2.22	1.15	4.70	....
1906.	2.48	2.28	5.43	2.95	3.91	2.21	13.25	17.91	2.91	7.14	1.69	5.52	67.68
1907.	4.42	2.42	2.30	5.14	7.34	....	....	....	9.17	2.70	....	6.20	....
1908.	5.22	3.03	3.65	....	....	1.52	3.59	....	....	....	....	....	....
M'ns	3.90	4.13	4.40	3.91	4.35	3.68	5.55	5.61	4.28	4.06	3.52	4.36	51.75

TUCKERTON—Elevation, 23 feet—STAFFORDVILLE, and BEACH HAVEN, Ocean Co.

1894.	....	....	....	3.55	5.96	1.67	0.29	9.28	4.94	7.50	3.18	2.80	....
1895.	3.66	1.03	3.63	4.93	3.70	1.99	5.80	0.55	0.76	2.02	3.61	2.80	34.48
1896.	1.50	6.82	3.63	1.17	2.71	4.47	2.81	1.27	1.37	3.16	1.93	0.94	32.05
1897.	2.14	3.82	2.62	3.10	2.28	2.09	8.76	3.27	0.65	0.69	3.87	5.29	38.58
1898.	3.48	3.90	4.25	3.60	5.73	1.83	3.59	2.80	2.05	6.14	6.64	3.75	47.76
1899.	3.67	8.77	6.77	1.05	1.19	1.84	6.47	9.70	6.32	4.37	1.72	1.45	53.32
1900.	2.57	3.61	3.27	2.35	5.12	3.75	2.56	1.97	1.74	3.75	3.74	2.68	37.11
1901.	3.44	1.22	4.61	5.86	6.62	1.37	4.27	7.75	3.83	1.53	3.70	8.37	52.57
1902.	3.70	5.02	3.81	2.78	1.22	7.89	1.86	2.48	6.20	7.93	3.96	8.19	55.04
1903.	4.55	6.28	8.07	4.19	0.76	8.02	7.17	6.55	2.87	9.41	1.44	4.52	63.83
1904.	1.34	2.73	2.92	3.94	1.45	5.44	2.79	6.02	0.89	2.04	2.33	4.77	36.66
1905.	4.56	3.88	4.66	4.03	2.45	4.27	2.14	9.88	4.20	1.25	0.93	5.30	47.55
1906.	2.90	3.63	5.80	2.15	2.86	1.72	4.59	11.36	2.07	4.42	2.09	3.50	47.09
1907.	3.11	2.95	3.06	4.52	5.82	4.27	1.13	7.58	6.34	2.89	5.89	6.65	54.21
1908.	3.81	3.61	3.16	2.40	5.50	0.97	2.94	4.46	2.81	2.46	1.09	5.04	38.25
M'ns	3.17	4.09	4.30	3.31	3.56	3.44	3.81	5.66	3.14	3.97	3.07	4.40	45.92

The values from April, 1894, to September, 1896, and from January, 1897, to April. 1907, and from June, 1897, to October, 1897, inclusive, are for Beach Haven. October to December, 1896; May, 1897; and from November, 1897, to April, 1898, and from November, 1898, to April, 1899, are for Staffordville. These stations were only a few miles from Tuckerton

WOODSTOWN, Salem County—Elevation, 51 [?] feet

1901.	....	....	....	4.92	3.17	1.29	4.81	11.19	3.39	1.89	2.70	7.39	....
1902.	3.21	6.43	4.06	4.18	1.56	10.21	4.72	1.80	5.16	6.23	3.16	6.55	57.27
1903.	3.67	4.84	4.63	3.17	1.05	3.10	6.32	4.60	3.04	6.09	1.19	4.10	45.80
1904.	2.01	2.51	3.21	2.94	1.89	2.00	4.86	4.76	7.89	3.26	1.91	3.00	40.24
1905.	3.57	1.94	4.72	3.31	2.17	8.71	3.26	5.20	5.13	1.39	....	....	....
M'ns	3.11	3.93	4.16	3.70	1.97	5.06	4.79	5.91	4.92	3.77	2.24	5.26	48.82

FRIESBURG, Salem County—Elevation, 100 feet

1892.	....	....	....	....	....	....	....	....	1.82	0.42	6.82	2.28	....
1893.	2.68	4.85	3.34	3.79	2.85	1.23	3.65	4.94	4.62	4.50	3.34	3.11	42.90
1894.	2.51	4.16	1.75	2.94	12.14	3.83	0.70	3.50	5.73	5.60	2.99	4.26	50.17
1895.	4.45	1.29	3.69	5.34	3.45	5.23	2.11	1.29	0.87	3.05	2.97	1.72	35.46
1896.	1.23	6.76	4.96	1.33	1.62	6.59	4.68	0.97	3.44	2.13	2.27	0.71	36.69
1897.	2.00	4.18	2.13	4.03	3.79	3.29	6.65	6.50	0.61	2.97	4.94	3.68	44.77
1898.	3.50	3.27	2.79	3.02	6.01	1.80	3.58	6.40	3.87	4.93	5.92	3.65	48.74
1899.	3.30	6.04	5.16	1.55	2.19	2.89	7.29	6.43	3.72	1.99	1.67	1.52	43.75
1900.	3.81	4.35	2.48	2.73	2.69	3.12	3.27	2.97	3.00	4.18	2.96	2.95	38.51
1901.	3.13	1.00	2.85	5.23	3.10	1.18	5.51	10.78	3.01	2.52	2.77	6.56	47.64
1902.	3.21	5.35	4.11	4.14	1.52	9.30	5.04	1.71	4.31	6.28	3.28	5.98	54.23
1903.	3.12	5.35	5.77	4.00	0.83	3.27	5.64	6.72	3.38	6.27	0.93	3.80	49.08
1904.	2.29	2.71	3.81	2.53	1.88	3.30	6.26	6.86	10.08	3.53	2.14	2.99	48.38
1905.	3.24	3.45	4.22	3.63	1.85	5.67	4.22	4.58	4.77	2.00	1.76	3.49	42.88
1906.	2.83	2.58	5.34	2.73	4.12	5.88	4.93	7.59	1.63	4.56	1.90	3.93	48.02
1907.	2.83	2.24	2.70	4.08	5.25	5.09	3.33	2.39	6.40	3.60	5.76	4.25	47.92
1908.	2.79	3.54	1.95	2.60	5.87	2.40	3.94	4.53	2.33	1.87	1.18	3.50	36.50
M'ns	2.93	3.82	3.57	3.35	3.70	4.00	4.43	4.88	3.74	3.55	3.15	3.43	44.55

VINELAND, Cumberland County—Elevation, 118 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1867.	....	....	....	....	....	....	....	8.52	2.36	3.73	1.49	2.26	....
1868.	3.73	4.05	4.82	5.02	6.69	3.95	3.00	6.02	5.45	1.07	7.24	4.40	55.44
1869.	4.15	4.44	3.70	2.56	4.38	4.66	2.80	1.27	6.62	6.75	4.42	4.87	50.62
1870.	3.35	2.87	3.10	5.07	8.45	4.32	3.03	8.15	2.82	3.05	2.80	2.32	49.33
1871.	6.23	3.75	6.33	2.40	3.00	5.03	9.82	3.02	1.80	3.35	5.18	3.05	52.96
1872.	2.33	2.85	4.50	2.17	2.21	2.59	4.42	4.50	5.53	5.50	3.64	4.68	44.92
1873.	6.31	6.25	2.25	3.00	3.58	0.60	6.18	7.75	6.11	6.04	4.27	2.60	54.94
1874.	4.90	3.43	1.64	8.32	1.49	3.25	2.41	2.48	5.95	2.25	2.93	3.32	42.37
1875.	4.10	4.64	6.57	4.10	0.91	2.95	1.85	8.40	3.55	1.62	4.91	2.35	45.95
1876.	1.62	3.72	6.31	2.25	6.10	5.43	3.87	2.18	9.91	1.30	5.60	3.63	51.92
1877.	5.18	2.82	6.44	2.35	2.18	3.90	7.12	2.05	5.98	5.83	5.12	1.88	50.85
1878.	5.01	1.73	3.89	2.36	4.14	5.36	6.42	8.46	0.69	2.18	2.25	5.69	48.18
1879.	3.75	2.38	3.36	3.46	0.77	4.90	3.04	10.63	3.35	1.14	2.75	6.27	45.80
1880.	2.82	2.26	6.35	2.60	2.00	3.05	8.63	6.35	2.94	2.75	4.44	7.52	51.71
1881.	6.81	5.61	5.27	1.30	3.53	4.57	2.96	0.65	2.35	3.12	3.08	3.23	42.48
1882.	6.45	5.41	4.31	2.19	5.19	1.36	2.23	9.29	12.35	1.77	0.99	2.47	54.01
1883.	6.12	6.46	2.93	3.95	1.80	3.71	0.51	2.00	4.98	7.06	1.87	5.16	46.55
1884.	10.96	6.77	6.59	3.33	1.99	1.96	3.85	2.63	0.47	0.80	2.81	6.53	48.69
1885.	3.67	3.79	0.91	2.07	3.38	1.31	1.29	5.11	0.60	5.83	4.00	3.47	35.43
1886.	4.27	5.94	3.81	2.52	4.85	2.28	6.47	4.52	1.24	2.88	3.80	3.76	46.34
1887.	3.13	3.94	2.56	4.07	2.36	6.25	8.70	2.81	5.19	2.44	2.03	4.31	47.79
1888.	4.46	2.52	7.41	2.00	5.48	1.19	3.54	3.96	3.28	5.06	3.51	1.27	43.68
1889.	4.38	2.17	....	....	....	....	....	....	....	....	....	....	....
1890.	....	....	....	....	....	....	....	....	....	....	....	....	....
1891.	6.10	5.85	7.05	2.54	2.79	3.62	8.91	7.18	1.08	3.23	1.79	4.51	54.65
1892.	4.40	1.89	5.28	3.75	3.78	1.83	5.54	5.65	1.27	0.33	7.16	2.30	43.18
1893.	3.00	4.34	2.94	3.97	2.79	0.71	2.89	4.89	2.75	3.72	3.75	3.65	39.40
1894.	2.43	5.21	1.81	3.52	13.39	3.50	0.32	3.89	8.39	6.43	2.72	3.58	55.19
1895.	5.53	1.93	4.08	5.39	3.95	4.37	2.93	0.79	1.65	2.15	3.36	2.22	38.35
1896.	1.90	6.28	4.50	1.21	2.75	9.67	3.31	1.65	2.87	2.53	2.15	0.88	39.70
1897.	2.38	5.38	2.56	5.18	4.18	2.30	12.56	5.62	0.46	3.51	4.26	5.35	53.74
1898.	3.65	2.21	3.11	2.67	6.29	2.59	5.42	3.77	2.11	5.83	5.19	3.37	46.21
1899.	3.19	6.62	4.83	1.38	1.54	2.94	7.31	6.82	4.16	3.53	1.42	1.29	45.03
1900.	2.58	3.97	2.65	2.21	2.97	3.46	2.46	2.02	2.40	4.65	2.55	2.76	34.68
1901.	2.82	0.81	3.16	5.70	4.76	2.29	4.55	9.70	2.43	1.71	2.82	6.60	47.35
1902.	3.81	7.37	4.45	3.61	1.35	8.16	3.68	2.10	5.44	5.37	3.72	6.85	55.91
1903.	3.65	5.38	6.39	4.66	0.62	2.61	5.46	7.86	4.26	7.40	1.05	4.28	53.62
1904.	2.43	2.76	2.77	3.37	2.10	2.73	3.63	5.39	2.87	2.76	2.10	4.08	36.99
1905.	3.64	3.98	4.50	3.84	2.92	4.86	3.59	5.55	5.65	1.24	1.29	4.28	45.34
1906.	2.26	2.62	5.95	2.45	3.55	4.54	5.83	12.51	1.23	4.71	1.65	3.35	50.65
1907.	2.30	2.93	2.44	4.22	8.00	5.33	1.78	2.49	8.69	4.15	5.89	4.29	52.51
1908.	4.27	4.34	1.54	2.86	5.80	1.95	6.26	3.15	2.29	1.67	0.91	4.51	39.55
M'ns	4.10	4.04	4.18	3.32	3.80	3.59	4.58	5.04	3.84	3.51	3.32	3.83	47.15

CANTON—Elevation, 24 feet—and SALEM, Salem County

1893.	2.40	3.19	3.08	4.80	3.06	2.38	2.59	7.44	2.13	3.04	3.16	3.35	40.62
1894.	2.53	4.43	1.70	4.05	13.46	....	0.75	3.50	5.93	3.80	1.67	3.96	....
1895.	4.55	2.09	4.08	5.13	3.58	4.74	2.96	....	....	....	....	....	....
1896–97	....	....	....	....	....	....	....	....	....	....	....	....	....
1898.	....	....	....	3.75	4.31	1.84	5.24	6.72	3.69	5.60	6.44	4.44	....
1899.	3.70	6.46	5.94	1.28	2.12	1.99	6.34	7.98	4.52	2.09	1.61	1.60	45.63
1900.	3.39	5.31	3.00	2.38	3.55	4.65	3.59	2.64	4.10	1.64	1.96	3.08	39.32
1901.	2.80	1.14	2.76	6.13	3.23	2.08	5.17	10.99	2.95	2.30	2.93	8.19	50.67
1902.	3.15	6.87	3.84	4.88	1.99	8.02	7.39	1.90	4.55	6.85	3.30	7.11	59.85
1903.	3.12	4.27	4.80	3.33	0.47	3.42	6.23	5.03	2.31	7.23	0.75	3.56	44.52
1904.	2.24	2.35	2.95	2.67	1.85	3.05	5.72	5.98	2.94	2.92	1.91	....	....
1905.	3.26	3.44	3.74	3.45	3.94	4.20	5.16	5.11	3.50	1.56	1.33	3.32	42.01
1906.	2.45	2.66	5.21	2.18	6.28	5.66	4.01	10.27	2.00	3.43	1.56	3.59	49.30
1907	2.40	2.51	3.12	3.90	5.66	5.43	5.33	2.35	7.65	2.82	6.23	3.75	51.15
1908.	2.44	3.74	1.96	2.39	6.05	2.03	5.61	5.74	2.46	2.00	1.12	3.84	39.38
M'ns	2.96	3.73	3.55	3.59	4.25	3.81	4.72	5.90	3.75	3.48	2.61	4.15	46.50

The values from 1893 to 1902, inclusive, are for Salem, a few miles from Canton

BRIDGETON, Cumberland County—Elevation, 30 feet

1882.	....	....	....	....	....	1.52	1.61	6.98	9.75	1.94	0.24	1.98	....
1883.	3.83	4.96	1.99	3.54	0.50	4.04	2.26	2.16	4.65	7.69	1.45	3.28	40.35
1884.	4.88	5.53	5.81	2.88	1.52	0.87	3.69	2.33	0.34	1.03	3.05	6.14	38.07
1885.	3.79	2.46	2.24	2.26	3.58	1.56	2.05	5.30	0.81	2.91	3.69	3.38	34.03
1886.	4.72	6.39	3.41	2.81	5.43	2.70	6.77	4.31	1.58	2.55	3.85	3.01	47.53
1887.	2.75	3.67	2.76	3.93	2.57	6.95	4.88	4.20	3.66	3.06	1.44	5.05	44.92
1888.	2.97	1.98	5.69	2.27	4.07	1.67	2.39	5.49	3.75	5.15	2.71	1.90	40.04
1889.	4.03	2.70	6.49	4.96	6.60	4.48	7.66	3.29	3.97	3.91	7.99	0.67	56.75
1890.	1.71	3.60	6.59	3.39	3.38	0.99	3.77	6.39	4.99	7.11	0.58	5.26	47.76
1891.	4.69	6.70	8.02	2.28	3.05	4.68	9.41	5.12	1.74	3.63	1.67	4.26	55.25
1892.	4.05	2.72	5.82	3.58	4.04	1.85	3.48	2.81	1.58	0.55	6.86	2.47	39.81
1893.	3.50	4.48	3.81	4.11	3.53	0.46	2.90	4.38	3.59	5.35	3.36	3.73	43.20
1894.	3.08	5.64	1.55	2.14	15.61	2.08	0.38	2.08	5.23	6.34	3.24	4.33	51.70
1895.	4.75	2.07	4.00	6.25	3.07	5.98	1.53	0.71	1.25	3.38	2.43	1.92	37.34
1896.	1.81	8.35	5.59	1.11	3.36	7.58	3.19	2.55	4.01	2.28	2.37	1.61	43.83
1897.	2.33	5.72	3.37	5.06	4.75	4.66	11.93	5.03	0.49	3.75	4.19	4.35	55.63
1898.	3.98	3.81	3.46	3.85	8.12	3.24	5.34	4.16	2.14	6.72	6.02	4.85	55.69
1899.	3.48	5.67	5.47	1.93	2.41	2.57	9.02	6.74	4.96	2.95	1.39	1.91	48.50
1900.	3.45	5.14	3.59	2.38	2.53	3.84	2.43	4.18	1.76	6.59	2.85	3.26	42.00
1901.	3.43	0.93	3.51	6.77	3.23	1.49	5.13	7.93	4.70	1.80	2.85	6.94	48.71
1902.	3.95	6.27	4.42	4.65	1.70	7.23	4.54	2.55	5.61	4.61	4.17	6.29	55.99
1903.	3.58	6.02	6.79	5.05	0.93	3.46	6.54	6.64	3.90	6.49	0.94	4.12	54.46
1904.	2.16	2.84	3.76	2.86	1.92	1.91	4.35	4.54	3.95	3.25	2.25	4.09	37.88
1905.	3.28	3.96	4.58	3.88	3.76	4.51	4.79	5.72	5.55	1.61	1.55	4.88	48.07
1906.	3.40	3.39	6.62	2.31	3.15	5.13	5.72	7.38	0.91	3.80	1.89	4.01	47.71
1907.	2.89	1.82	3.66	3.09	6.48	4.86	2.72	2.75	8.36	3.51	5.97	4.08	50.19
1908.	2.95	3.66	1.87	3.44	7.73	4.40	4.03	4.71	2.87	1.55	1.02	4.56	42.79
Mn's	3.44	4.25	4.42	3.49	4.12	3.51	4.54	4.46	3.56	3.83	2.96	3.79	46.37

PLEASANTVILLE (formerly Mt. Pleasant), Atlantic County—Elevation, 26 feet

1898.	....	....	....	....	....	....	....	....	....	....	7.40	3.70	....
1899.	2.70	5.27	4.55	1.92	1.45	2.84	7.70	5.98	8.58	3.72	1.54	1.64	47.89
1900.	2.48	4.32	3.29	2.51	4.28	3.75	2.85	1.55	1.30	2.38	2.88	3.13	34.72
1901.	3.27	0.80	2.40	4.97	6.26	2.08	3.84	8.52	3.60	1.18	3.13	7.31	47.36
1902.	2.38	4.37	3.70	2.78	1.15	6.83	3.68	4.19	6.71	5.90	3.37	6.40	51.46

PLEASANTVILLE (formerly Mt. Pleasant), Atlantic County—Elevation, 26 feet—cont'd

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	2.47	3.30	5.42	3.55	0.68	5.06	8.27	7.73	2.95	12.01	1.70	4.55	57.69
1904.	1.54	2.06	2.02	3.02	1.70	2.58	3.36	2.71	0.98	2.31	2.23	4.15	28.66
1905.	3.86	2.62	4.15	3.65	3.10	3.65	2.34	7.20	4.01	0.89	0.61	2.76	38.84
1906.	2.48	3.36	6.30	2.29	3.29	3.13	5.20	9.60	2.73	6.97	1.91	4.12	51.38
1907.	2.36	1.89	1.81	3.42	7.15	3.81	1.73	4.05	4.19	3.08	5.83	6.22	45.54
1908.	2.70	1.58	1.06	1.42	5.41	0.83	2.50	2.69	2.94	3.59	1.03	4.92	30.67
M'ns	2.62	2.96	3.47	2.95	3.45	3.46	4.15	5.42	3.80	4.20	2.88	4.45	43.81

WOODBINE, Cape May County—Elevation, 43 feet

1892.	....	....	....	....	5.50	3.58	5.10	1.95	1.96	0.69	7.03	2.30	....
1893.	2.95	3.98	3.84	6.16	2.81	2.14	3.09	5.16	5.38	3.14	2.40	2.19	43.26
1894.	3.03	4.36	1.22	2.78	8.89	2.17	0.29	2.20	11.65	6.83	3.03	2.53	48.98
1895.	4.33	2.31	3.99	5.27	3.42	1.94	2.90	*0.02	1.24	2.79	2.89	2.97	34.07
1896.	2.44	6.85	5.77	1.15	3.26	5.76	5.32	1.12	2.63	3.38	1.70	1.18	40.56
1897.	2.63	5.66	2.28	3.68	2.76	2.58	7.07	2.25	0.90	5.76	2.89	4.83	43.29
1898.	3.26	2.55	3.90	2.75	6.00	2.34	6.16	5.56	2.46	5.14	5.95	3.37	49.44
1899.	2.60	5.70	4.62	1.73	2.10	2.40	4.08	3.24	3.05	4.65	1.45	1.85	38.37
1900.	2.80	4.35	2.67	2.16	4.57	3.10	3.42	1.73	1.87	2.82	1.31	3.97	34.77
1901.	3.32	0.88	3.35	5.86	6.20	1.71	2.13	8.34	6.82	1.31	2.55	6.55	49.02
1902.	3.73	6.45	5.33	3.56	2.34	6.74	2.30	2.32	7.37	5.68	3.50	6.69	56.01
1903.	4.66	6.60	8.53	3.35	1.00	3.53	8.15	6.97	4.58	6.27	1.69	3.78	59.11
1904.	1.96	2.31	2.82	4.20	2.24	2.95	4.88	2.82	0.98	2.00	1.70	4.17	33.03
1905.	2.85	3.70	3.48	2.60	3.75	2.24	2.49	5.20	3.07	0.75	0.65	5.60	36.38
1906.	3.13	3.85	5.75	2.12	3.51	3.94	3.86	9.88	1.06	3.50	1.90	3.57	46.07
1907.	1.97	1.99	3.85	8.67	7.16	5.53	3.04	6.28	5.44	3.42	5.78	5.29	58.42
1908.	4.40	3.39	1.56	1.79	4.88	0.77	2.92	3.74	2.88	2.17	0.96	4.39	33.85
M'ns	3.13	4.06	3.81	3.61	4.14	3.14	3.95	4.05	3.78	3.55	2.79	3.84	43.85

* August, 1895, doubtful

CAPE MAY COURT-HOUSE, Cape May County—Elevation, 19 feet

1890.	....	3.11	4.33	2.99	4.99	1.58	3.89	3.52	4.80	4.58	0.52	4.43	....
1891.	6.16	6.34	6.39	2.50	3.54	1.24	7.33	4.02	1.83	5.57	2.51	2.25	49.68
1892.	3.33	2.24	7.09	4.41	5.47	2.43	4.77	0.72	1.60	0.67	5.85	2.58	41.16
1893.	3.57	3.99	4.28	5.75	2.76	2.52	1.26	4.89	5.14	2.04	2.74	3.15	42.09
1894.	2.52	4.33	1.19	2.64	7.04	2.44	1.98	2.42	7.86	6.53	2.15	1.97	43.07
1895.	4.23	1.45	3.95	5.24	3.31	0.97	2.49	2.20	0.73	2.24	2.56	2.43	31.80
1896.	1.19	4.82	5.21	0.98	2.23	4.46	5.55	0.93	2.70	3.52	2.05	1.15	34.79
1897.	2.92	6.12	2.57	3.36	2.50	2.80	9.98	2.37	0.55	5.93	3.40	3.92	46.42
1898.	3.71	1.80	3.02	4.21	6.70	2.30	3.59	4.22	2.12	3.99	4.99	2.67	43.32
1899.	3.14	6.10	5.07	1.76	2.06	1.01	4.60	2.38	2.88	4.62	1.81	1.66	37.09
1900.	3.38	4.14	2.98	1.86	3.63	3.00	1.11	1.48	1.09	2.05	1.82	3.29	29.83
1901.	3.34	0.93	3.54	4.75	4.01	2.09	3.27	5.37	3.75	0.96	2.58	5.32	39.91
1902.	3.12	5.55	4.47	3.00	1.94	5.88	1.83	2.64	6.09	5.37	4.11	6.34	50.34
1903.	3.81	5.36	6.34	2.68	1.32	2.39	8.60	9.05	3.63	5.36	2.03	3.40	53.97
1904.	1.59	1.62	2.89	3.33	1.20	3.80	3.92	2.71	0.98	1.67	1.48	5.02	30.21
1905.	3.80	2.81	3.00	3.91	3.71	1.67	4.12	8.31	3.05	1.39	0.89	4.43	41.09
1906.	2.72	3.39	5.67	1.54	3.52	4.76	4.24	6.92	2.46	3.76	1.71	3.64	44.33
1907.	1.93	3.00	2.96	4.06	6.78	4.87	3.49	4.44	3.55	2.99	6.16	4.96	49.19
1908.	4.09	3.71	1.97	1.94	4.62	0.81	2.10	4.39	2.74	2.46	1.04	4.72	34.59
M'ns	3.25	3.73	4.05	3.21	3.71	2.60	4.11	3.84	3.03	3.46	2.66	3.54	41.28

SANDY HOOK, Monmouth County—Elevation, 14 feet

1873.	....	....	....	....	....	....	....	....	....	....	....	2.41	....
1874.	5.03	1.31	2.48	12.55	3.52	2.97	1.99	1.91	11.30	2.43	3.09	2.62	51.20
1875.	4.04	3.37	3.59	3.67	1.47	3.53	4.44	8.96	2.98	3.50	5.36	3.40	48.31
1876.	1.35	5.80	11.04	3.92	4.47	5.96	4.33	1.68	6.74	2.22	6.53	3.22	57.26
1877.	3.90	1.56	9.09	5.72	2.81	3.57	5.67	4.18	2.40	7.15	6.80	0.80	53.65
1878.	6.38	3.05	5.67	1.68	6.63	4.45	6.08	6.19	4.09	2.74	6.96	7.78	61.70
1879.	3.22	2.72	4.84	6.30	3.59	5.86	5.76	12.44	1.13	0.47	2.15	8.02	56.50
1880.	1.77	1.67	5.86	2.69	2.01	2.78	6.43	4.26	3.35	3.97	3.76	2.51	41.06
1881.	5.03	5.37	6.92	1.41	3.33	6.80	2.43	0.63	3.57	2.71	3.54	5.00	46.74
1882.	6.47	4.85	4.00	3.19	7.21	2.60	2.35	2.95	11.48	2.95	1.51	2.58	52.14
1883.	3.35	4.22	1.45	5.79	4.66	4.94	2.30	3.44	4.63	5.20	1.54	2.57	44.09
1884.	6.76	4.72	4.32	3.15	5.27	4.52	6.42	5.12	0.03	4.21	3.57	5.64	53.73
1885.	4.58	4.54	0.67	2.47	2.67	1.41	3.54	5.48	0.58	3.32	4.83	4.33	38.42
1886.	4.47	6.53	5.27	5.06	8.46	4.00	5.70	2.75	1.06	6.70	5.88	....	....
1887–1902...	....	....	....	....	....	....	....	....	....	....	....	....	....
1903.	....	....	....	....	....	....	....	....	....	4.38	0.92	3.92	....
1904.	2.77	2.47	3.27	3.65	2.50	2.94	5.28	8.23	4.90	3.14	2.24	3.36	44.75
1905.	3.21	2.86	3.45	4.03	1.28	2.85	5.53	4.78	4.62	2.53	1.44	3.40	39.98
1906.	3.29	2.06	4.60	3.36	3.83	4.27	8.28	4.57	1.73	....	....	....	....
M'ns	4.10	3.57	4.78	4.29	3.98	3.97	4.78	4.85	4.04	3.60	3.76	3.85	49.57

OCEANIC, Monmouth County—Elevation, 16 feet

1887.	....	....	4.64	3.35	0.85	7.67	6.95	5.15	3.75	3.90	2.54	5.43	....
1888.	5.34	3.09	5.41	3.68	5.43	3.95	5.16	4.38	10.65	4.05	4.98	3.15	59.27
1889.	8.78	2.95	5.70	5.75	4.09	5.99	8.90	9.06	8.76	4.28	8.79	2.09	75.14
1890.	2.42	4.52	5.87	2.94	4.27	3.76	7.25	6.77	7.59	10.18	0.92	5.74	62.23
1891.	5.85	5.36	4.92	2.20	5.39	1.45	5.89	4.61	5.91	5.03	2.35	3.65	52.61
1892.	5.11	2.32	5.09	3.09	3.36	4.48	4.00	4.51	1.28	0.50	8.69	1.94	44.37
1893.	3.27	5.99	3.91	6.08	5.30	2.89	4.63	6.47	3.10	4.20	3.65	3.38	52.87
1894.	2.24	4.67	2.21	3.91	5.67	4.40	2.16	2.02	8.59	7.18	3.83	6.04	52.92

OCEANIC, Monmouth County—Elevation, 16 feet—continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1895.	4.99	1.23	3.96	5.09	2.60	2.86	4.61	3.10	2.23	3.52	3.25	2.24	39.68
1896.	1.33	7.64	5.15	2.09	2.48	4.41	6.31	1.44	4.71	1.50	3.32	1.87	42.25
1897.	3.14	2.81	2.61	4.50	4.39	2.76	12.88	3.94	0.89	2.09	4.24	5.41	49.66
1898.	5.04	5.44	3.79	3.16	9.07	1.87	6.70	6.66	1.26	6.83	7.43	3.38	60.63
1899.	4.18	5.14	7.22	1.70	2.04	3.18	5.89	2.16	4.73	3.48	1.88	2.23	43.83
1900.	5.50	5.34	3.39	1.84	4.86	2.94	6.92	4.15	1.80	4.09	4.02	2.99	47.84
1901.	2.85	1.05	4.93	6.48	6.77	1.09	8.27	4.88	3.28	1.94	2.43	7.26	51.23
1902.	2.79	6.42	5.01	2.39	1.24	6.58	3.79	4.77	4.66	6.50	2.74	7.55	54.44
1903.	4.24	4.13	5.19	2.59	0.35	10.00	5.13	7.87	1.70	7.06	0.76	4.26	53.28
1904.	2.87	2.27	2.84	4.30	2.69	2.61	5.12	8.72	3.94	2.60	1.90	3.52	43.38
1905.	3.52	2.95	4.03	3.26	1.26	3.06	5.53	5.24	3.37	2.31	1.23	3.41	39.17
1906.	2.78	1.95	4.92	3.11	2.96	4.96	5.46	5.01	1.84	4.90	1.10	3.99	42.98
1907.	3.45	2.58	3.32	4.96	5.80	3.81	3.08	3.21	8.48	2.92	5.05	4.80	51.46
1908.	4.31	4.69	3.42	2.64	6.52	1.22	4.89	6.28	1.28	1.54	1.14	4.14	42.07
M'ns	4.00	3.93	4.43	3.60	3.97	3.91	5.89	5.02	4.26	4.12	3.47	4.02	50.62

ASBURY PARK, Monmouth County—Elevation, 22 feet

1889.	6.94	2.58	5.52	4.57	4.68	3.90	8.35	6.04	6.18	4.27	5.80	1.15	59.98
1890.	1.05	3.74	7.16	3.10	3.83	3.17	6.95	5.61	4.70	8.12	0.88	2.72	51.03
1891.	5.33	4.73	3.75	1.93	5.70	4.21	4.21	6.68	4.45	5.31	2.35	2.99	51.64
1892.	4.45	1.50	6.73	2.78	3.26	4.49	3.67	3.63	1.22	0.28	8.07	1.61	42.29
1893.	3.22	5.09	4.16	6.63	3.72	5.28	2.22	8.67	1.93	3.36	2.47	2.67	49.42
1894.	1.76	4.96	2.26	3.45	5.50	3.08	0.97	1.09	7.72	7.72	2.72	5.82	47.05
1895.	4.37	1.11	3.57	6.63	2.00	1.35	5.71	0.99	2.13	3.98	2.86	2.43	37.13
1896.	1.65	7.78	4.89	1.77	3.67	3.59	4.25	0.91	2.98	1.67	2.18	1.52	36.36
1897.	3.48	2.39	2.64	4.36	2.81	3.46	8.92	2.94	1.77	2.89	3.75	5.02	44.43
1898.	3.97	4.43	4.12	3.27	6.68	1.73	11.72	6.41	1.49	5.75	8.52	3.13	61.22
1899.	4.21	7.66	7.72	1.36	1.84	2.70	4.71	3.32	3.62	3.06	1.88	1.68	43.76
1900.	4.68	5.44	4.12	1.81	4.42	4.91	6.08	0.90	2.12	3.71	3.67	2.59	44.45
1901.	2.56	1.27	4.20	7.09	6.89	1.49	4.38	6.42	4.47	1.56	1.98	6.66	48.97
1902.	2.52	6.29	4.84	2.82	1.40	7.91	3.59	3.32	3.69	6.69	3.08	8.71	54.86
1903.	4.67	4.70	4.38	3.32	0.17	6.98	6.22	8.50	1.72	8.35	1.09	4.27	54.27
1904.	2.77	2.67	3.21	4.24	6.69	2.62	4.69	9.68	3.30	2.99	2.03	4.40	49.29
1905.	4.91	1.90	4.02	3.19	0.95	2.80	5.82	3.81	4.49	2.45	1.20	4.07	39.61
1906.	2.98	1.77	5.17	3.00	5.11	4.45	5.08	7.92	0.75	5.01	1.26	2.92	45.42
1907.	3.60	2.64	3.19	4.55	5.46	5.28	4.06	4.72	6.97	3.27	5.65	5.31	54.70
1908.	3.63	4.18	2.79	2.83	5.99	0.85	3.63	5.87	1.21	1.47	1.03	4.32	37.80
M'ns	3.64	3.82	4.42	3.63	4.04	3.71	5.26	4.87	3.35	4.10	3.15	3.70	47.69

BARNEGAT, Ocean County—Elevation, 36 feet

1874.	5.33	2.96	3.01	12.84	3.69	2.97	3.30	2.57	9.29	2.23	3.80	3.94	55.93
1875.	6.33	2.42	4.30	3.70	1.35	2.79	5.97	4.18	3.99	1.67	5.40	4.63	46.73
1876.	1.55	4.04	9.18	3.06	3.79	2.42	2.20	1.53	6.81	1.53	7.71	3.35	47.17
1877.	4.82	1.52	6.72	2.53	1.36	3.09	5.13	1.07	3.21	7.92	8.71	2.16	48.24
1878.	5.49	1.33	4.85	1.63	4.18	6.67	6.39	4.78	2.90	2.35	4.75	6.74	52.06
1879.	3.69	3.82	3.46	4.42	2.00	4.08	3.57	12.33	2.15	1.05	2.10	6.68	49.35
1880.	1.75	3.29	6.51	3.29	0.88	3.67	5.78	6.15	3.14	4.05	4.35	5.95	48.81
1881.	8.43	5.39	7.58	1.36	1.77	6.18	1.99	5.54	3.55	4.35	3.64	3.50	53.28
1882.	8.29	8.91	4.44	4.16	7.22	3.26	3.92	8.21	14.65	4.16	2.32	3.36	72.90
1883.	3.91	5.98	3.28	3.93	1.97	4.09	2.43	2.13	4.84	6.51	1.06	2.83	42.96
1884.	5.25	1.11	2.38	0.97	0.79	2.24	3.73	5.04	1.05	2.19	2.68	7.09	34.52
1885.	4.34	1.47	0.23	0.89	1.47	0.72	1.90	6.14	1.38	3.50	4.89	0.61	27.54
1886–91	....	....	....	....	....	....	....	....	....	....	....	....	....
1892.	....	....	....	....	....	....	....	....	....	....	6.31	1.78	....
1893.	3.07	3.14	4.78	6.29	4.20	5.15	3.04	4.14	2.53	2.21	2.71	3.35	44.61
1894.	2.55	4.60	2.26	2.43	6.65	1.99	0.95	3.77	6.37	5.50	3.25	3.56	43.88
1895.	4.45	1.40	3.52	4.92	3.50	2.25	5.10	0.68	0.58	1.62	3.21	1.71	32.94
1896.	1.50	6.12	4.68	1.25	2.60	4.30	3.16	2.72	2.28	1.43	1.37	1.09	32.50
1897.	3.20	3.71	2.74	6.82	2.01	4.82	10.03	3.43	1.48	3.53	4.69	4.18	50.04
1898.	3.47	....	3.54	3.64	5.63	0.90	1.37	2.70	1.52	5.25	5.94	3.54	....
1899.	2.48	6.25	4.98	1.19	1.15	....	....	....	....	....	....	....	....
1900–01	....	....	....	....	....	....	....	....	....	....	....	....	....
1902.	....	....	....	....	....	....	2.49	1.87	5.05	7.93	....	8.93	....
1903.	4.86	5.62	8.05	4.02	0.89	5.68	6.17	7.56	3.25	10.04	....	4.96	....
1904.	1.79	2.99	3.72	4.16	....	....	....	....	....	....	....	....	....
M'ns	4.07	3.80	4.49	3.69	2.86	3.54	3.93	4.33	4.00	3.95	4.15	4.00	46.81

ATLANTIC CITY, Atlantic County—Elevation, 16 feet

1874.	3.22	2.72	1.77	5.92	1.97	3.01	1.56	1.23	5.37	1.78	2.30	3.24	34.09
1875.	3.09	2.01	4.18	6.05	1.92	3.53	1.30	4.78	2.45	2.17	4.19	4.28	39.95
1876.	1.05	3.53	4.78	1.86	3.92	1.78	0.92	2.23	6.61	0.78	6.52	2.01	35.99
1877.	1.92	0.87	4.89	2.51	1.58	2.35	6.13	1.40	3.39	3.24	5.37	2.73	36.38
1878.	4.74	1.36	3.79	2.20	3.52	5.12	5.57	2.73	2.03	2.80	2.43	5.84	42.13
1879.	1.71	2.68	3.04	5.19	1.47	5.20	2.25	14.67	1.85	1.11	2.42	5.89	47.48
1880.	1.70	2.85	5.97	1.83	0.54	3.15	5.80	4.42	3.14	4.62	4.03	8.20	46.25
1881.	7.18	5.03	4.71	2.85	1.68	3.82	1.01	2.79	2.20	3.03	3.64	2.14	40.08
1882.	6.74	4.37	3.43	3.21	5.27	1.72	2.52	14.87	5.84	2.28	1.67	3.37	55.29
1883.	5.43	5.18	3.09	4.31	1.78	3.53	2.83	3.21	5.31	6.18	1.25	2.54	44.64
1884.	7.17	7.44	5.79	4.29	1.62	3.60	4.73	4.04	0.34	2.94	4.03	7.71	53.70
1885.	4.27	2.00	0.95	1.68	3.61	1.33	4.45	4.50	1.59	2.94	6.84	4.29	38.45
1886.	3.17	4.92	3.40	1.86	4.15	2.56	4.73	3.58	0.89	8.16	3.45	3.93	44.80
1887.	3.50	4.17	2.94	2.85	1.61	4.21	1.95	3.08	3.12	3.39	2.58	4.51	37.91
1888.	3.96	2.81	4.15	2.96	4.02	3.33	2.44	4.30	7.14	3.48	2.71	2.84	44.14
1889.	4.46	2.32	4.58	2.92	2.62	3.13	4.66	1.93	3.17	3.02	5.77	0.25	38.83
1890.	1.27	2.43	5.20	3.86	5.81	2.99	5.46	7.51	5.01	4.05	0.38	3.33	47.30
1891.	4.41	5.89	3.32	2.28	3.93	1.67	7.05	2.67	0.90	5.39	2.24	3.19	43.14

ATLANTIC CITY, Atlantic County—Elevation, 16 feet—continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1892.	3.02	1.43	3.69	3.05	5.51	4.44	4.23	3.26	1.08	0.30	5.14	2.12	37.27
1893.	2.67	3.43	4.21	4.92	3.52	1.57	3.28	3.55	3.61	1.74	2.19	2.44	37.13
1894.	2.07	3.46	1.39	1.71	5.03	2.91	0.15	3.24	3.96	5.20	2.38	1.71	33.21
1895.	3.12	1.14	3.11	4.24	3.17	0.74	4.85	0.16	0.57	1.79	2.77	2.74	28.40
1896.	1.04	6.98	3.61	1.07	2.67	5.20	3.54	1.84	2.26	1.27	1.98	0.85	32.31
1897.	2.50	2.96	2.20	3.42	1.71	2.62	8.01	2.07	0.36	2.21	4.04	3.55	35.65
1898.	3.39	1.86	2.56	2.67	5.17	2.49	2.23	3.99	1.81	4.60	5.51	2.40	38.68
1899.	2.40	3.78	4.17	1.27	1.20	1.56	4.78	5.56	8.19	2.55	1.03	1.35	37.84
1900.	2.40	3.27	2.84	2.03	3.23	2.33	3.13	0.70	1.42	1.86	2.16	2.76	28.13
1901.	3.16	0.94	3.31	3.46	5.11	0.98	1.89	5.38	2.33	1.18	2.09	6.00	36.33
1902.	2.97	5.53	4.26	2.52	1.71	6.14	2.83	3.36	5.32	5.37	3.42	7.15	50.58
1903.	3.93	5.22	5.71	2.49	0.52	4.38	10.14	7.02	2.22	12.13	1.86	5.49	61.11
1904.	2.13	2.08	2.67	3.09	1.01	2.28	2.52	4.87	1.02	1.50	2.29	4.68	30.14
1905	4.74	3.67	4.34	3.51	2.97	2.27	1.67	6.22	2.87	1.02	1.01	4.88	39.17
1906.	2.48	3.66	6.30	1.83	3.56	2.30	4.97	8.35	2.94	6.22	2.52	3.67	48.80
1907.	2.79	2.93	3.52	3.37	5.51	3.80	1.57	3.97	5.09	3.19	5.67	7.13	48.54
1908.	3.13	2.94	1.77	1.47	5.56	1.04	4.16	4.33	4.13	3.18	0.91	5.26	37.88
Mn's	3.34	3.39	3.69	2.99	3.09	2.95	3.71	4.35	3.13	3.33	3.11	3.84	40.92

OCEAN CITY, Cape May County—Elevation, 12 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1888.	3.00	4.20	5.65	3.00	3.40	2.10	3.50	7.10	5.60	7.00	4.60	4.70	53.85
1889.	6.50	3.80	4.80	5.60	5.30	4.60	5.40	4.00	6.80	4.30	4.70	....	....
1890.	....	5.10	4.80	3.60	3.70	....	3.60	3.50	5.11	3.40	0.70	4.00	....
1891.	6.60	5.30	7.70	2.50	4.60	3.60	5.90	....	....	....	2.70	3.50	....
1892.	5.80	3.03	3.70	3.04	6.21	2.74	3.18	1.90	1.02	0.33	6.03	3.09	40.07
1893.	2.39	4.39	4.28	7.08	4.16	2.09	2.88	6.71	4.13	2.46	2.37	2.93	45.87
1894.	2.77	3.29	1.42	3.07	9.24	2.90	0.41	3.27	5.42	6.81	2.35	2.66	43.61
1895.	3.66	2.30	3.34	5.06	3.14	1.35	2.25	0.16	2.00	1.82	3.37	2.88	31.33
1896.	2.30	7.38	5.18	1.05	2.99	13.45	3.97	1.98	2.52	3.05	1.43	1.55	46.85
1897.	2.70	4.33	2.87	3.77	1.99	2.98	6.70	2.45	0.75	4.63	3.94	4.31	41.42
1898.	3.35	2.13	3.26	4.54	5.68	2.95	5.28	4.51	2.09	6.32	5.40	3.32	48.83
1899.	2.73	7.35	5.19	2.27	1.70	1.60	5.83	4.64	5.97	4.43	0.72	1.87	44.30
1900.	2.62	5.20	4.96	2.34	5.44	3.52	1.92	2.65	1.20	2.77	2.68	3.20	38.50
1901.	4.00	1.02	3.87	3.52	6.68	1.05	3.05	....	....	....	....	....	....
M'ns	3.72	4.20	4.36	3.60	4.59	3.46	3.85	3.57	3.55	3.94	3.15	3.17	45.16

CAPE MAY CITY, Cape May County—Elevation, 17 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1871.	....	....	....	....	....	4.58	5.02	2.41	2.72	4.91	6.42	2.90	....
1872.	2.99	2.99	6.61	0.92	1.50	2.15	3.27	3.09	4.51	3.28	2.71	2.65	36.67
1873.	6.79	7.61	3.07	3.95	3.29	0.93	0.82	7.33	5.53	4.92	3.08	2.44	49.76
1874.	3.55	3.90	2.08	6.66	2.93	4.16	4.42	2.68	6.71	0.07	2.61	5.09	44.26
1875.	4.34	4.67	4.98	5.57	1.35	2.82	3.13	10.16	2.70	2.03	4.75	3.39	50.89
1876.	1.14	2.78	7.31	3.10	3.25	5.67	2.84	1.29	9.56	1.31	4.94	2.69	45.88
1877.	2.13	1.95	7.65	3.27	2.42	3.77	4.35	2.54	7.22	5.34	4.47	2.57	47.68
1878.	5.02	0.63	3.61	2.06	6.11	4.07	2.43	6.41	1.33	3.38	3.17	7.00	45.22
1879.	3.84	3.09	2.99	4.34	0.25	4.21	4.94	16.58	1.89	0.97	1.09	6.19	50.38
1880.	2.17	2.40	7.94	1.68	1.27	3.79	4.58	7.49	2.91	5.07	4.79	9.21	53.30
1881.	7.36	4.23	4.94	1.34	3.51	5.11	1.20	2.26	1.22	4.53	5.22	2.07	42.99
1882.	6.32	3.23	4.90	2.44	4.40	2.62	3.49	10.29	7.05	1.46	1.88	3.88	51.96
1883.	5.00	5.67	4.66	4.69	1.17	5.59	2.39	3.03	4.59	8.63	3.39	3.81	52.62
1884.	5.56	6.22	5.61	2.34	1.19	1.03	4.44	5.30	0.31	1.33	2.30	6.87	42.50
1885.	4.98	3.71	2.29	1.87	5.20	2.23	1.57	3.47	0.81	2.99	....	....	....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1894.	2.12	3.51	1.36	2.99	7.78	2.93	0.83	2.14	5.27	3.90	1.77	1.64	36.24
1895.	3.51	1.68	3.34	3.68	2.85	0.93	2.84	0.86	0.49	2.41	2.31	2.33	27.23
1896.	1.30	5.55	3.14	0.66	3.30	2.64	6.55	1.02	3.19	4.58	2.15	1.80	35.88
1897.	2.06	6.37	2.84	3.55	3.25	2.23	†9.98	2.85	0.39	6.49	2.42	3.62	46.05
1898.	3.06	1.55	3.00	4.81	3.92	2.02	4.13	4.77	3.25	3.94	4.33	2.53	41.37
1899.	3.01	7.03	3.45	1.03	1.80	1.03	3.34	2.98	2.36	3.73	1.33	1.61	32.70
1900.	2.80	3.53	3.14	1.61	3.55	2.38	2.16	2.73	1.31	1.96	2.03	2.88	30.08
1901.	3.42	0.85	3.45	5.42	4.62	2.01	3.26	6.32	2.88	0.87	2.32	4.87	40.29
1902.	3.11	5.46	3.87	3.46	2.13	4.93	1.94	3.58	6.55	3.82	3.24	5.81	47.90
1903.	4.45	5.65	6.25	2.40	1.13	4.48	6.49	6.70	4.66	5.67	1.93	3.52	53.33
1904.	2.13	2.02	3.18	3.42	1.33	4.35	3.98	2.65	0.90	1.73	1.73	5.38	32.80
1905.	3.80	3.43	2.80	3.46	2.62	1.82	2.98	8.31	3.47	1.32	0.54	5.33	39.88
1906.	2.08	3.19	2.91	1.17	3.32	5.42	5.17	4.15	1.18	2.94	1.42	3.72	36.67
1907.	2.65	2.55	2.74	2.88	7.73	5.43	3.38	5.83	3.82	3.19	5.85	4.63	50.68
1908	4.27	2.85	1.87	2.14	4.39	1.29	3.12	5.03	2.54	2.66	1.24	4.03	35.43
M'ns	3.62	3.73	4.03	3.00	3.16	3.22	3.63	4.79	3.38	3.31	2.95	3.95	42.77

† Estimated

Average number of days with .01 inch or more of precipitation

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
SOUTHERN INTERIOR GROUP	Yrs													
Freehold	15	9	9	12	9	11	9	11	10	9	9	10	9	117
Imlaystown	22	9	9	11	8	10	8	11	10	8	8	8	9	109
Moorestown	41	10	9	11	9	10	9	10	9	8	8	9	9	111
Camden	13	12	11	12	10	12	10	12	10	8	7	10	10	124
Indian Mills	8	11	9	12	10	10	10	12	11	9	7	8	11	120
Clayton	12	10	8	11	9	9	8	10	10	7	7	8	9	106
Tuckerton	15	10	8	10	9	9	8	10	9	6	7	7	8	101

Average number of days with .01 inch or more of precipitation—con.

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
SOUTHERN INTERIOR GROUP—cont'd	Yrs													
Egg Harbor City	16	9	8	10	9	10	7	9	9	8	7	8	8	102
Friesburg	16	10	9	11	10	11	10	12	11	8	8	9	10	119
Bridgeton	21	9	8	10	9	10	8	9	8	7	7	7	8	100
Cape May Court-house	19	9	9	10	9	10	8	10	9	6	6	7	8	101
SEA COAST GROUP														
Oceanic	21	9	8	11	9	10	8	11	10	8	7	8	10	109
Asbury Park	20	10	10	12	9	10	9	11	10	8	8	9	9	115
Atlantic City	35	12	11	13	11	11	10	10	10	9	9	9	10	125

Average snowfall

SOUTHERN INTERIOR GROUP														
Trenton	16	7.2	10.2	3.8	0.2	......	......	......	......	......	......	1.1	3.4	25.9
Imlaystown	16	7.7	9.4	4.1	0.8	......	......	......	......	......	......	1.0	4.0	27.0
Beverly	15	8.5	11.8	5.7	0.5	......	......	......	......	......	......	1.7	5.4	33.6
Moorestown	45	8.0	8.3	4.7	0.6	......	......	......	......	......	......	1.1	5.6	28.3
Camden	11	6.8	10.0	2.6	0.5	......	......	......	......	......	......	1.9	2.7	24.5
Indian Mills	7	8.5	8.8	5.1	1.3	......	......	......	......	......	......	0.3	8.8	32.8
Clayton	12	7.9	9.4	2.8	0.5	......	......	......	......	......	......	1.0	5.0	26.6
Tuckerton	15	7.1	8.1	2.6	0.5	......	......	......	......	......	......	1.5	3.7	23.5
Egg Harbor City	11	5.9	8.1	2.0	0.1	......	......	......	......	......	......	1.1	3.0	20.2
Friesburg	16	6.1	7.5	2.5	0.4	......	......	......	......	......	......	1.0	4.0	21.6
Bridgeton	26	5.3	5.9	3.2	0.4	......	......	......	......	......	......	0.4	3.4	18.6
Cape May Court-house	16	8.5	8.6	2.9	0.1	......	......	......	......	......	......	0.6	3.4	24.1
SEA COAST GROUP														
Oceanic	16	9.0	10.1	4.0	1.0	......	......	......	......	......	......	1.6	5.6	31.3
Asbury Park	16	9.6	9.3	4.6	0.8	......	......	......	......	......	......	1.4	5.4	31.1
Atlantic City	25	5.3	5.6	2.4	0.1	......	......	......	......	......	......	0.9	2.8	17.1

Mean temperature

SOUTHERN INTERIOR GROUP														
Trenton	15	32.8	31.3	42.5	52.1	62.9	71.2	76.7	74.5	68.4	57.1	46.4	36.6	54.4
Imlaystown	22	31.6	30.7	39.7	50.5	62.2	70.7	75.1	73.2	66.7	54.9	44.2	34.8	52.9
Moorestown	46	30.1	30.8	38.3	49.9	61.0	70.2	74.8	72.5	65.8	54.2	42.8	33.2	52.0
Toms River	16	31.1	29.6	39.6	48.7	59.8	69.0	74.4	72.8	66.8	55.1	43.8	34.1	52.1
Clayton	12	31.5	29.0	42.2	50.1	61.5	69.4	75.1	73.4	67.6	56.3	43.9	34.1	52.8
Tuckerton	11	31.9	29.0	40.4	48.2	59.7	68.4	74.5	73.0	66.7	55.4	44.0	34.2	52.1
Friesburg	10	32.6	29.6	42.4	50.2	61.6	69.7	75.6	73.7	67.8	56.2	44.3	34.3	53.2
Vineland	42	31.8	32.3	40.2	50.5	62.1	71.6	76.5	73.7	67.0	55.5	43.9	34.5	53.3
Bridgeton	21	34.0	34.2	42.3	52.7	64.6	73.3	77.2	75.6	68.8	57.0	45.9	36.8	55.2
Cape May Court-house	21	34.3	33.5	41.6	50.4	60.7	69.8	74.1	73.4	67.8	56.7	46.6	37.6	53.8
SEA COAST GROUP														
Oceanic	22	32.3	31.5	39.6	50.6	60.8	69.5	71.4	73.0	67.4	55.3	45.0	35.8	52.9
Asbury Park	20	32.1	31.0	39.1	48.7	59.0	68.2	72.7	72.1	67.2	55.6	44.6	35.3	52.1
Atlantic City	35	32.5	33.0	38.8	47.6	57.5	66.8	72.5	72.6	67.6	57.4	45.5	36.4	52.4
Cape May	33	34.1	34.1	40.8	48.4	58.6	67.7	73.4	73.4	69.0	57.6	47.4	38.0	53.6

Highest temperature

SOUTHERN INTERIOR GROUP														
Freehold	14	70	68	76	88	93	96	102	96	96	84	77	68	102
Trenton	21	72	72	83	91	95	98	100	99	97	88	78	70	100
Imlaystown	22	72	68	84	93	96	103	104	100	98	92	77	68	104
Beverly	23	76	76	88	96	97	103	106	101	103	92	78	71	106
Moorestown	46	73	72	86	94	97	99	102	101	103	90	78	76	103
Camden	14	62	69	78	93	94	98	105	100	95	86	75	67	105
Indian Mills	8	74	67	84	93	97	101	107	97	94	90	79	72	107
Clayton	12	74	64	87	89	95	101	104	102	98	91	77	69	104
Tuckerton	11	68	66	80	88	95	102	102	102	96	87	75	70	102
Vineland	18	71	71	85	97	98	102	105	104	101	92	79	68	105
Bridgeton	21	74	72	85	93	97	101	104	102	99	90	78	71	104
Cape May Court-house	21	78	70	81	88	94	99	102	103	96	90	76	70	103
SEA COAST GROUP														
Oceanic	22	69	69	80	91	93	101	101	98	97	87	76	68	101
Asbury Park	20	69	71	78	90	96	99	102	99	99	91	76	67	102
Atlantic City	35	64	71	79	85	95	97	99	98	94	86	74	68	99

Lowest temperature

SOUTHERN INTERIOR GROUP														
Freehold	14	—4	—11	3	18	30	37	42	44	36	24	7	2	—11
Trenton	21	—5	—10	6	21	33	41	54	49	35	28	10	1	—10
Imlaystown	22	—9	—11	4	19	32	39	48	43	33	25	12	3	—11

Lowest temperatures—continued

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
SOUTHERN INTERIOR GROUP—continued	Yrs													
Beverly	23	-9	-10	5	20	31	41	49	45	34	24	13	1	-10
Moorestown	46	-16	-13	2	21	31	41	50	48	32	25	10	-9	-16
Camden	14	-7	-9	12	23	35	47	53	52	39	26	15	7	-9
Indian Mills	8	-14	-6	9	17	30	37	45	44	32	23	10	-3	-14
Clayton	12	-12	-13	9	21	31	41	48	46	32	23	14	-3	-13
Tuckerton	11	-13	-4	-1	20	28	40	45	45	32	21	11	-5	-11
Vineland	18	-11	-13	10	21	29	41	48	46	32	22	12	-5	-13
Bridgeton	21	-7	-7	10	23	31	43	50	49	35	28	15	0	-7
Cape May Court-house	21	-7	-5	10	23	32	41	41	48	35	26	13	6	-7
SEA COAST GROUP														
Oceanic	22	-10	-11	6	23	30	44	50	51	40	29	17	4	-11
Asbury Park	20	-7	-10	9	20	34	44	50	45	38	27	14	4	-10
Atlantic City	35	-4	-7	8	19	33	45	52	48	37	29	10	-7	-7

Prevailing wind direction

Stations	Length of record	January	February	March	April	May	June	July
Southern Interior Group	Yrs							
Trenton	19	w.	nw.	nw.	nw	sw.	sw.	sw.
Indian Mills	8	nw.	nw.	nw.	nw	se.	sw.	sw.
Friesburg	16	w	nw.	nw	nw	w.	w.	w.
Vineland	16	nw	nw	nw	nw	se.	sw.	s.
Sea Coast Group								
Asbury Park	16	nw	nw	nw	se.	se.	se.	se.
Atlantic City	35	nw	nw	nw	nw	sw.	sw.	sw.

Prevailing wind direction—continued

Stations	Length of record	August	September	October	November	December	Annual
Southern Interior Group	Yrs						
Trenton	19	sw.	sw.	nw	nw.	nw	nw
Indian Mills	8	sw.	e.	nw	nw	nw	nw
Friesburg	16	w	w	nw	nw	w	w
Vineland	16	se.	se.	nw	nw	nw	nw
Sea Coast Group							
Asbury Park	16	se.	ne.	ne.	nw	nw	nw
Atlantic City	35	sw.	sw.	nw.	nw	nw	nw

Frost data

Stations	Length of record	Average date of first killing frost in autumn	Average date of last killing frost in spring	Earliest date of killing frost in autumn	Latest date of killing frost in spring
Southern Interior Group	Yrs				
Imlaystown	16	Oct. 19	Apr. 21	Sept. 22	May 12
Beverly	16	Oct. 16	Apr. 22	Sept. 23	May 17
Moorestown	45	Oct. 20	Apr. 23	Sept. 22	May 15
Vineland	16	Oct. 18	Apr. 17	Sept. 22	May 22
Bridgeton	16	Oct. 22	Apr. 19	Oct. 1	May 12
Cape May Court-house	16	Oct. 20	Apr. 17	Sept. 22	May 12
Sea Coast Group					
Oceanic	16	Oct. 26	Apr. 11	Oct. 11	Apr. 22
Atlantic City	35	Nov. 4	Apr. 11	Oct. 1	Apr. 25

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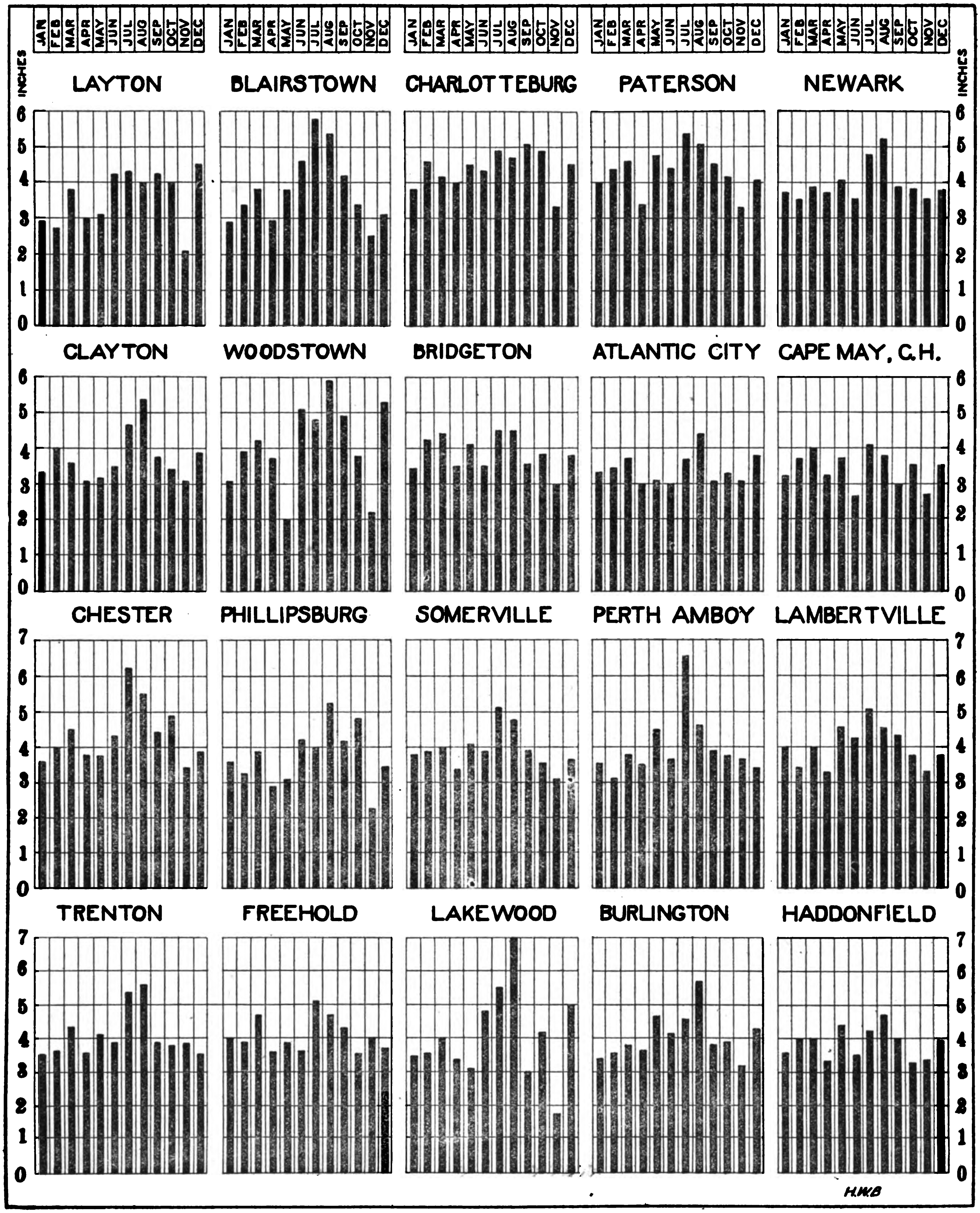

Fig. 1—Diagrams showing the comparative monthly distribution of precipitation

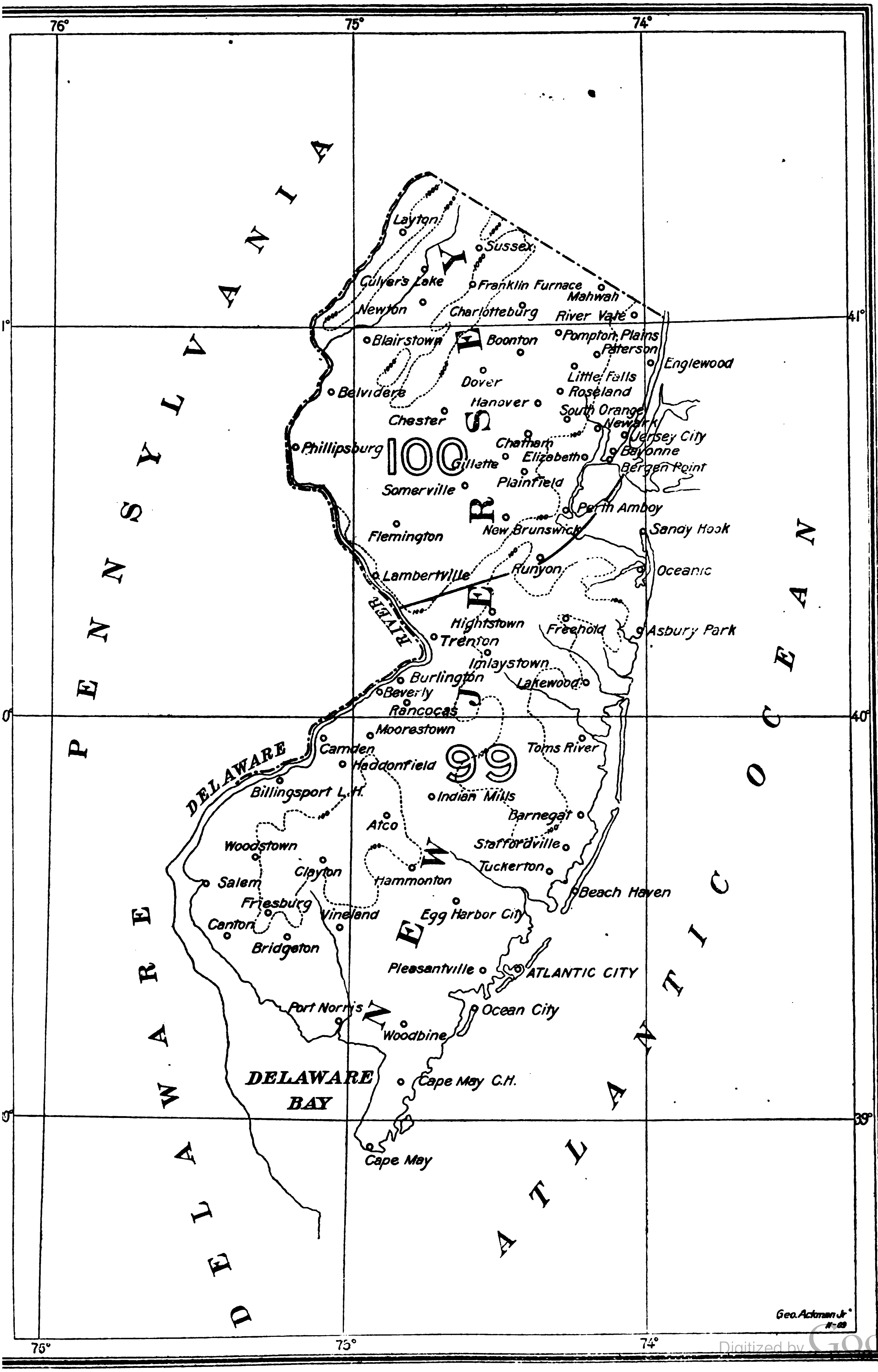

FIG. 2—Chart showing the principal points of observations, the drainage basins, and the general elevation of New Jersey

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. Day, Acting Chief of Division.

SECTION 100.—NORTHERN NEW JERSEY.

INTRODUCTORY REMARKS.

The increasing demands for information regarding the water resources of New Jersey in connection with the development of power and transportation render it desirable and necessary for the U. S. Weather Bureau of the Department of Agriculture to publish in compact form as complete details as practicable relative to the rainfall of the several physical divisions of the State.

The data presented in this pamphlet are for the Highlands and Kittatinny Valley and the Red Sandstone Plain divisions of New Jersey, arranged in a definite geographical order, as dictated by the climatology, so that it will be convenient to study smaller areas in any given part of the section. In addition to the precipitation records for all stations having reasonably long series of observations, there are given the mean temperatures, the highest and lowest temperatures, the prevailing winds, and frost data, at several representative stations, less in number than for the precipitation. As a rule the precipitation records are of such unequal duration that it is not possible to determine uniform normals for any considerable territory, hence the data for the individual stations are published as they stand, and will serve as a basis for conducting such researches as may be desired. Inspection of the tables will show the changes that take place from month to month in the same year, or from year to year in the same month; and average conditions for any required element may be readily worked out by collecting the tabulated data on suitable charts. Short breaks in the precipitation records have been filled in by the usual process of charting the values from surrounding stations, and scaling therefrom estimated values for the points and periods desired, the interpolated values being clearly indicated in the tables. The figures thus obtained are included in the monthly and annual averages, and while not representing actual measurements, may safely be accepted as indicating the precipitation in the immediate vicinity of the station, and used in any discussion of the rainfall of the district. In some cases, also, the records of stations not far distant from each other and having similar topographical surroundings, have been combined, in order to present a longer record, the purpose being to give the rainfall of a vicinity rather than at a single point.

TOPOGRAPHY, DRAINAGE, ETC.

The greater part of the Highlands and Kittatinny Valley district lies within the northwestern quadrant of the State, and includes the counties of Sussex and Warren, most of Morris and Passaic, and the northern portion of Hunterdon. From a climatological standpoint, the boundary line between this division and the next one to the south, the Red Sandstone Plain, s not sharply defined, as their shading into each other is for he most part practically imperceptible. The area of the Highands and Kittatinny Valley section is approximately 1,650 quare miles, the land being generally elevated. Near the New York State line, on the north, the Kittatinny Mountains reach maximum height of 1,800 feet, this being the highest point f land within the State. The Kittatinny Valley, as distinguished from the "Highlands", lies between the Kittatinny Mountain chain on the northwest and the Highlands on the southeast, and has an average width of about 12 miles, trending northeast to southwest. Near Belvidere, on the Delaware River, the elevation of the valley above mean tide is less than 250 feet; at the Walkill River, on the New York State line, the elevation is about 400 feet. Two well-defined sub-valleys traverse this district longitudinally, the principal one lying from two and one-half to five miles from the northwest side, while the second lies on the east side, close to the foot of the Highlands plateau. Between the two sub-valleys are broken and irregularly-shaped ridges, attaining in places a height of about 1,000 feet. The main drainage streams of the Kittatinny Valley are Papakating Creek and the Wallkill River on the northeast, and the Paulinskill and Pequest rivers on the southwest, the last two discharging into the Delaware River. There are numerous lakes and ponds scattered through the valley, Swartswood Lake, Culver's Pond, and Long Pond, being the largest. The bottom lands of the Kittatinny Valley are of limestone formation, and they are fertile and well cultivated. The higher lands are slate, and as a rule are not well fitted for agriculture.

That portion of the great Appalachian System which is within the bounds of New Jersey is here known as the "Highlands", or the Highlands plateau. It lies to the southeast of Kittatinny Valley, and has the same trend, from the New York State line to the Delaware River, as the latter. Much of the northern half of this district is in forest, the cleared land being largely confined to the depressions. Boulders, bare ledges of rock, and drift gravel, the remains of the glacial period, predominate. The southern half of the district is generally free from the geological formations just mentioned; timber is relatively scarce, and the land mostly fertile. Entering the State from New York, with a width of about 18 miles, the Highlands section has a maximum elevation, near Vernon township, of nearly 1,500 feet. On reaching the Delaware River, over the northern portion of Hunterdon County, the region is depressed below 600 feet elevation. The surface of the Highlands is broken by numerous distinct ranges and valleys, chief of which are the Central Highland Plateau and the German-Longwood Valley. The diversities of the surface produce numerous watersheds, those draining the largest areas being the Ramapo on the northeast, the Rockaway on the east, and the Musconetcong on the southwest. The elevation of the watersheds is sufficient to afford gravity delivery of water, and their nearness to the populous cities of northeastern New Jersey is exceptionally favorable for furnishing valuable water power and public water supply. The northern portion of the Highlands contains many swamps and several lakes, some of the latter being of marked beauty. The largest, Lake Hopatcong, covers an area of about 2,500 acres, and has become popular as a summer resort.

The subdivision of New Jersey known as the Red Sandstone Plain, so named from the character of its soil, includes the counties of Essex, Hudson and Union, most of Bergen, Hunterdon, Middlesex, Passaic, and Somerset, and restricted portions of Mercer and Morris. This region lies immediately southeast of the Highlands section, extending from Bergen County on the northeast, southwestward to the Delaware River. Its extreme length is 67 miles, and it has an area of approximately 1,500 square miles. At the New York State line the district has a breadth of about 15 miles, and it broadens to slightly more than 30 miles at the Delaware River. As compared with the Highlands section, the Red Sandstone Plain presents the characteristics of a great plain. Its surface is, however, broken in places by ridges of trap-rock hills and mountains, none of the latter attaining any marked elevation. At the base of the Highlands there is a general elevation varying from 300 to 400 feet, while to the east and southeast the region gradually slopes to tide-level at Newark, New York and Raritan bays.

The Red Sandstone Plain is the most densely populated division of the State, the large cities of Newark, Jersey City, Paterson and Elizabeth, being situated in the northeastern part. The soil throughout the greater portion of the district is fertile and highly cultivated. The principal water sheds are the Hackensack and the lower part of the Passaic, in the northeast, and the Raritan in the central and southern portions. The last-named drains about 1,000 square miles, although its commercial importance is secondary to the northeastern drainage systems. The southwestern part of the district is drained by several swiftly-moving streams that discharge into the Delaware River.

CLIMATIC CHARACTERISTICS.

THE HIGHLANDS AND KITTATINNY VALLEY.

The territory covered by this discussion lies within the main storm-tracks of the country, and under normal conditions receives generous supplies of moisture. The principal crop-growing months, May to August, inclusive, are favored with a large percentage of the annual precipitation, the wettest months of the year being July and August. November is usually the driest month. The greatest annual amounts of precipitation, 51 to 53 inches, occur over Morris County and the northern part of Passaic. Elsewhere over the district the normal precipitation ranges from about 42 inches in the extreme northwestern part of Sussex County, to 48 inches in the western portion of Warren County. The summer rainfall occurs mostly in the form of local showers and thunderstorms, which are as a rule of comparatively brief duration. The local character of the summer storms often causes a wide variation in the amounts of rain received over adjoining areas. On the other hand, the precipitation of winter and usually of spring and autumn is more general and prolonged than during summer, and fairly uniform amounts occur throughout the section. Vegetation occasionally suffers from drought, but the water supply is not adversely affected unless the dry weather continues for a long period. Much of the winter precipitation occurs as snow, the snowfall frequently amounting to 20 inches or more in a single storm. Snow arrives earlier in the season, and remains on the ground longer, in this district than elsewhere in the State. A winter without sufficient snow for sleighing and sledding for several weeks is uncommon. The heaviest snowfalls generally occur in January and February, although large amounts are frequently received in December and March, and sometimes in November. April usually passes with barely more than appreciable amounts. The annual snowfall averages about 45 inches for the district as a whole, and the greatest annual amounts on record range from about 60 to 70 inches.

A description of the local differences of climate, especially of temperature, due to the irregular physical features of this region, is not attempted in this article. The available records show, however, that the highest average temperatures, about 50°, occur at stations of low elevation, on the Delaware River. At the elevated stations, in the interior of the district, the annual mean temperature ranges from 47° to 49°. The daily ranges of temperature sometimes exceed 50°, particularly in the cold months of the year. The extreme annual ranges of temperature vary from 115° to 130°. The march of the seasons is very pronounced. Although the summers are warm, the district is generally free from long periods of excessive heat. Day temperatures ranging from 90° to 95° occur in summer, but the temperature seldom reaches 100°. The nights during summer are for the most part refreshingly cool. In exposed localities the temperature is likely to fall to about 20° below zero during the prevalence of cold spells in winter; and the only months of the year that are entirely exempt from freezing weather at night are June, July, and August. The first killing frost of autumn occasionally forms near the close of September, but is usually delayed until sometime in the first decade of October. The average date of the last destructive frost in spring is variable, the range for the section being from May 2 to May 14. The latest dates of the occurrence of killing frosts in spring on record are May 29 and 30.

THE RED SAND STONE PLAIN.

The Red Sand Stone Plain has a higher mean temperature and a somewhat greater average precipitation than the Highlands and Kittatinny Valley section. The average annual precipitation is greatest, 50 to nearly 53 inches, over portions of Bergen, Passaic and Union counties, and least, about 46 inches, over restricted portions of Hudson County. A very fair average annual precipitation for the district as a whole is 48 inches, as indicated by the long and valuable series of observations at Newark, New Brunswick, and South Orange. The distribution of precipitation through the several seasons is similar to that of the Highlands and Kittatinny Valley section, July and August being the wettest months, and November the driest month of the year as a rule. The summer rainfall, while likely to be local in character at times, is generally more evenly distributed, geographically, than is the case in the more northern, mountainous regions. Although a large part of the winter precipitation occurs in the form of snow, the average snowfall is considerably less than in the extreme northern counties, the range being from about 35 inches in the southern and western portions of the district, to nearly 55 inches over the extreme northern part of Bergen County in the northeast. The average number of days per year with appreciable amounts of precipitation is about 125. The annual mean temperature is slightly above 50° over practically the entire district. The highest averages, about 52°, occur in the extreme southern portion and at the city stations in the northeast. The lowest mean temperature, 49.5°, is reported from the northern half of Bergen County. High day temperatures are frequent in summer, and in fact in late spring and early autumn, the highest on record for the several stations ranging from 102° to 109°. The coldest weather of the year usually occurs in January. Extremely low minimum temperatures are rather infrequent, except in portions of Bergen County, although night temperatures slightly below zero may be expected during the prevalence of cold waves in January and February, and sometimes in December. Over the greater portion of the district the lowest temperatures of record range from about —15° to —20°, although an extreme minimum of —34° (in January, 1904) is on record for River Vale, Bergen County. The season of killing frosts in spring usually ends about April 25, and the first killing frost of autumn seldom forms before October 10. The prevailing wind in summer is southwest, and in winter northwest.

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HYDROGRAPHIC DATA FOR SECTION 100.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY.

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PRELIMINARY NOTE.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section includes the northern portion of New Jersey. It is bounded on the west by the Delaware River, which drains the western portion, the eastern portion being drained principally by the Passaic and Raritan rivers. The southeastern portion of the area is low and flat, while the northern and western portions rise to considerable altitudes and are very rugged.

Passaic River is the most important stream, although not the largest, in the State of New Jersey. On or near its banks are located the cities of Paterson, Passaic, Newark, Orange, East Orange, and Jersey City, the population of which, combined with that of adjacent towns and boroughs, equals over 500,000, or about one-third the population of the State of New Jersey. The quantity of sewage discharged from this district, with its great population, centered in the lower part of the drainage area, is extraordinary, and the industries carried on in the different communities contribute enormous amounts of manufacturing refuse, all of which is turned into the stream.

The water powers of the Passaic were among the first used in the country. The Society for Establishing Useful Manufactures was formed in 1791, for the purpose of developing the large power existing at the Great Falls of the Passaic in the city of Paterson. Other powers of less extent are found and improved at Pompton, Boonton, Little Falls, Dundee, and elsewhere on the drainage area.

The water of the river is, however, of greatest value for municipal supply. It is largely used for this purpose, and the demands of a rapidly growing population in the cities of northern New Jersey require that a proportionately greater amount shall be set aside from year to year.

Passaic River is subject to extreme floods which cause great damage to the towns along the lower reaches.

Raritan River is the largest stream in the State, except the Delaware, and is formed by two chief branches, North and South, which have their sources a few miles apart in the highlands of Morris County, flow southward, and unite near Somerville, from which point the course of the river is southeastward to Raritan Bay. The river is tidal to a point about 2 miles above New Brunswick, and is navigable to that city, about 12 miles from its mouth.

The total area of the drainage basin is 1,105 square miles, about 10 per cent of which is forested. The highlands consist mostly of trap rock and contain a large proportion of the wooded areas of the basin. The area outside of the highlands consists either of trap rock or red sandstone. Of the 800 square miles of drainage area above the gaging station at Bound Brook, about 150 square miles are in the cultivated part of the highlands and on the trap ridges; the remainder is mostly on the low, level, red-sandstone plain.

The valley of the Raritan is populous and highly cultivated, and a large amount of water power is utilized on its various branches. North Branch is considered a valuable source for a gravity supply, the elevation of the upper portion ranging from 750 to 1,000 feet. Millstone River, an important stream, which unites with the Raritan a few miles west of Bound Brook, differs from the other branches, having its rise in sand hills and flowing northwestward through a sandy soil. It has large ground storage, and is better suited for power than for water supply, being very muddy at high stages.

The principal tributaries of the Delaware River, which drain the western part of the area, are Rancocas Creek, Musconetcong and Maurice rivers. These streams drain a rolling country which contains considerable forest area.

Measurements of flow are available in this section as follows: Passaic River at Chatham; Raritan River at Bound Brook; Ramapo River at Mahwah, and Musconetcong River at Bloomsbury.

Monthly discharge of Passaic River at near Chatham, N. J., for period 1903–06, except January, 1903, January and February, 1904, January and February, 1905.

[Drainage area, 101 square miles.]

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
a January	2,990	61	203.	2.01
a February	1,300	206	366.	3.62
b March	1,770	124	569.	5.63
April	1,190	44	308.	3.05
May	520	2	58.7	.581
June	1,130	2	124.	1.23
July	611	4	87.5	.866
August	914	2	195.	1.93
September	1,590	2	218.	2.16
October	2,310	2	206.	2.04
November	476	4	70.	.693
December	1,130	9	370.	3.66
The period	2,990	2	231.	2.29

a. Maximum and minimum for open period of January and February.
b. Maximum and minimum of March, 1903.

Monthly discharge of Raritan River at near Bound Brook, N. J., for period 1904–06, except January, 1904, and February, 1905.

[Drainage area, 800 square miles.]

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
a January	22,600	430	2,540	3.18
a February	19,800	430	3,180	3.98
a March	17,700	820	3,160	3.95
April	14,100	615	1,700	2.12
May	5,110	430	659	.824
June	1,890	275	595	.744
July	4,900	240	688	.860
August	10,000	312	1,190	1.50
September	21,900	350	1,360	1.70
October	10,400	430	1,030	1.29
November	5,330	350	881	1.10
a December	10,600	390	1,390	1.73
The period	22,600	240	1,530	1.91

a. Maximum and minimum of open-water periods of January, February and March for period.

Monthly discharge of Ramapo River at near Mahwah, N. J., for period 1903–06, except January, 1903, and January, 1905.

[Drainage area, 118 square miles.]

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January			237	[illegible]
February			232	[illegible]
March	2,410	99	564	[illegible]
April	2,190	119	474	[illegible]
May	1,430	40	179	[illegible]
June	1,980	25	206	[illegible]
July	1,040	24	119	[illegible]
August	525	24	98	[illegible]
September	1,120	11	138	[illegible]
October	5,380	24	302	[illegible]
November	715	30	162	[illegible]
December			225	[illegible]
The period			245	[illegible]

Monthly discharge of Musconetcong River at near Bloomsbury, N. J., for period 1904–06.

[Drainage area, 146 square miles.]

Month.	Discharge in second-feet.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	1,540	107	324	[illegible]
February	1,880	92	247	[illegible]
March			443	[illegible]
April	698	127	321	[illegible]
May	731	86	157	[illegible]
June	345	60	131	[illegible]
July	424	57	102	[illegible]
August	352	53	121	[illegible]
September	1,180	56	129	[illegible]
October	558	59	119	[illegible]
November	317	56	116	[illegible]
December	417	86	156	[illegible]
The period			197	[illegible]

Precipitation for the Highlands and Kittatinny Valley Divisions of New Jersey

[Amounts estimated from surrounding stations appear in **bold-face** type]

LAYTON, Sussex County. Elevation, 550 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1900.	....	....	....	....	....	4.66	3.62	0.89	1.55	1.47	2.41	3.21	....
1901.	1.35	0.79	5.65	5.72	5.56	1.54	7.44	6.26	3.68	1.35	1.94	8.56	49.84
1902.	2.96	4.29	3.36	2.59	1.11	4.54	8.23	2.97	8.95	4.68	0.88	7.06	51.62
1903.	2.31	3.74	4.27	2.94	0.54	11.78	4.67	6.19	1.39	9.21	1.70	5.22	53.96
1904.	3.21	1.36	3.49	2.58	3.30	3.17	2.53	3.14	4.16	4.05	1.75	2.26	35.00
1905.	5.50	0.87	3.55	1.53	1.56	2.09	3.06	6.63	6.23	3.35	1.68	2.97	39.02
1906.	2.19	3.08	4.41	4.31	4.35	3.30	5.64	5.03	1.62	3.32	2.39	4.13	43.77
1907.	3.55	2.92	2.50	2.06	2.59	4.14	1.51	2.11	8.14	5.06	5.18	4.73	44.49
1908.	2.29	4.50	2.97	3.07	5.73	2.25	1.97	2.43	2.30	3.75	1.17	2.27	34.70
M'ns	2.92	2.69	3.78	2.98	3.09	4.16	4.30	3.96	4.22	4.03	2.12	4.49	42.74

SUSSEX, Sussex County. Elevation, 442 feet

1891.	8.50	**4.60**	4.35	2.67	2.74	1.36	5.13	4.91	1.54	1.96	3.07	4.46	45.29
1892.	5.96	1.00	3.72	1.05	5.13	4.78	4.71	....	1.62	0.88	7.17	....	....
1893.	3.00	6.06	3.72	3.71	6.34	2.54	3.03	8.60	2.91	3.76	3.55	3.50	50.72
1894.	2.63	4.35	1.71	4.01	5.83	2.14	0.62	1.00	7.00	4.60	3.49	5.55	42.93
1895.	**4.00**	1.24	1.77	3.47	1.98	2.01	4.12	3.91	1.18	3.95	2.62	3.28	33.53
1896.	1.39	5.69	5.40	0.80	2.86	4.52	7.75	1.93	5.12	3.07	3.62	1.22	43.37
1897.	1.74	2.38	2.81	3.08	4.26	3.08	9.27	3.98	2.72	1.53	5.18	5.30	45.33
1898.	4.43	3.42	3.17	3.61	7.06	2.52	3.79	7.53	2.26	4.41	5.26	2.38	49.84
1899.	3.45	5.13	6.28	1.45	1.88	2.60	6.30	3.70	8.06	1.84	2.17	1.74	44.60
1900.	2.97	5.49	3.48	1.64	3.17	4.13	4.22	1.98	1.87	1.83	3.13	2.20	36.11
1901.	1.58	0.85	5.17	6.05	4.95	1.56	6.82	8.42	3.77	2.81	2.60	6.94	51.52
1902.	3.23	5.30	3.64	4.49	4.33	5.12	6.93	2.92	6.24	5.29	0.87	8.11	56.47
1903.	3.43	4.36	3.79	3.71	0.70	14.87	3.37	8.06	1.66	9.19	1.25	4.40	58.79
1904.	3.88	1.87	3.65	3.53	3.90	4.10	3.01	3.92	5.36	3.91	2.09	2.35	41.57
1905.	6.59	0.87	3.95	1.73	1.36	2.19	3.47	4.11	6.53	2.43	1.90	2.78	37.91
1906.	2.58	2.75	4.87	4.83	5.43	2.92	6.11	4.16	2.31	2.71	1.37	3.61	43.65
1907.	2.51	2.21	2.37	2.67	3.21	4.07	2.00	1.86	9.51	6.37	5.23	3.55	45.56
1908.	2.91	4.41	3.09	2.92	6.41	2.29	3.47	3.41	1.16	2.22	0.55	2.10	34.94
M'ns	3.60	3.44	3.71	3.08	3.97	3.71	4.67	4.38	3.93	3.49	3.12	3.73	44.83

CULVER'S LAKE, Sussex County. Elevation, 848 feet

1902.	**3.26**	**5.31**	**3.61**	4.43	3.57	5.42	5.02	3.93	8.56	5.60	0.93	8.01	57.65
1903.	3.49	4.66	4.62	3.48	0.68	12.41	4.17	8.39	2.53	8.92	2.39	3.59	59.33
1904.	2.67	1.63	3.48	3.12	3.66	4.52	2.41	3.97	5.95	4.15	1.39	1.27	38.22
1905.	4.33	1.47	3.67	1.65	2.14	3.23	5.98	6.67	7.15	3.60	2.57	3.59	46.05
1906.	2.25	1.49	4.68	4.95	5.26	3.64	7.54	5.98	1.97	3.08	1.49	3.90	46.23
1907.	3.10	2.09	2.46	2.63	3.68	5.02	2.16	3.04	10.67	6.31	5.70	5.79	52.65
1908.	2.72	4.88	3.45	3.60	7.20	2.55	3.14	3.66	2.84	4.25	0.75	2.78	41.82
M'ns	3.12	3.08	3.71	3.41	3.74	5.26	4.35	5.09	5.69	5.27	2.17	4.13	49.02

NEWTON, Sussex County. Elevation, 678 feet

1882.	5.62	4.11	3.19	2.09	6.36	4.00	2.40	3.68	9.36	2.60	1.20	1.85	46.46
1883.	3.44	3.14	2.33	3.94	2.92	4.83	4.00	1.43	2.85	6.65	1.67	3.31	40.51
1884.	4.31	4.64	4.33	2.29	3.42	2.37	5.31	4.80	1.43	3.72	3.95	5.25	45.82
1885.	5.41	3.82	1.38	1.97	2.90	1.39	4.25	8.90	0.77	5.02	5.34	3.08	44.32
1886.	3.95	4.13	4.09	3.11	6.42	2.68	3.84	4.14	1.76	2.85	6.24	3.60	46.81
1887.	4.55	....	....	....	1.23	4.25	....	....	....	....	....	6.36	....
1888-89	....	....	....	....	....	....	....	....	....	....	....	....	....
1890.	....	4.13	....	2.65	7.17	3.03	5.01	5.38	4.52	6.71	0.61	....	....
1891.	....	....	....	....	2.23	1.39	3.68	4.48	1.57	1.88	2.87	4.30	....
1892.	2.50	0.86	4.07	1.18	4.16	6.12	3.21	4.40	1.88	0.63	5.86	1.77	36.64
1893.	2.25	7.77	3.50	3.40	4.26	1.77	2.96	5.86	2.80	2.82	2.89	2.86	43.20
1894.	2.15	6.17	1.37	3.06	5.09	1.81	1.40	1.04	6.85	4.95	3.09	5.39	42.37
1895.	3.76	1.44	2.51	3.75	2.52	**3.00**	3.47	3.33	0.91	4.39	2.06	2.48	33.62
1896.	0.63	....	6.17	....	2.81	4.83	....	....	....	....	4.50	1.24	....
1897.	2.10	2.95	3.32	3.79	6.48	3.59	10.87	....	....	1.20	5.11	4.20	....
1898.	4.62	3.24	3.04	3.22	9.11	2.13	4.39	7.31	0.65	4.33	5.33	2.77	50.14
1899.	3.98	5.09	5.40	0.96	2.75	4.18	8.43	3.30	6.21	1.56	2.40	2.48	46.74
1900.	3.50	4.79	3.14	2.61	5.01	2.87	5.04	1.62	2.24	2.07	2.98	2.58	38.45
1901.	1.81	0.78	4.71	5.59	5.24	2.19	8.90	8.36	4.95	1.85	2.17	7.52	54.07
1902.	3.55	6.33	3.96	4.07	3.18	6.60	7.99	3.49	7.99	5.54	1.43	6.87	61.00
1903.	4.39	5.19	4.93	3.05	0.28	12.83	3.43	7.51	1.67	9.99	1.44	4.39	59.10
1904.	3.46	2.02	3.32	3.60	3.60	3.86	6.00	4.45	6.34	4.10	1.03	3.10	44.88
1905.	6.05	1.67	4.53	2.33	2.22	3.69	6.08	4.44	8.60	4.83	2.86	3.17	50.47
1906.	2.74	2.83	5.18	4.74	5.97	4.16	5.73	5.51	2.51	3.44	2.10	3.71	48.62
1907.	2.35	2.39	2.56	2.55	2.81	4.77	1.26	....	....	....	....	....	....
1908.	3.15	4.95	3.12	2.70	7.10	2.90	2.99	4.51	2.30	3.05	0.76	2.61	40.14
M'ns	3.49	3.75	3.65	3.03	4.21	3.81	4.81	4.57	3.73	3.83	2.95	3.69	45.52

FRANKLIN FURNACE, Sussex County. Elevation, 580 feet

1893.	....	....	....	....	....	2.20	3.08	7.89	3.10	3.22	3.40	3.37	....
1894.	2.09	5.09	1.59	2.80	5.72	1.69	1.46	1.48	6.08	4.83	3.16	3.17	39.70
1895.	4.35	1.72	2.10	3.77	3.37	3.75	3.53	2.63	1.98	4.30	2.13	3.28	36.91
1896.	1.47	5.71	6.02	0.89	3.88	5.29	8.06	3.06	5.89	2.45	4.00	1.31	48.03
1897.	2.18	3.01	2.64	3.69	5.16	2.92	9.58	5.72	3.09	1.78	3.95	4.93	48.65
1898.	3.71	3.50	2.62	2.17	7.19	2.89	5.61	6.16	1.43	....	....	....	....
M'ns	2.76	3.81	2.99	2.66	5.06	3.12	5.22	4.49	3.60	3.32	3.33	3.32	43.68

CHARLOTTEBURG, Passaic County. Elevation, 719 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1893.	....	....	....	3.74	5.76	3.22	2.44	7.02	2.44	5.37	4.12	4.18	....
1894.	2.16	5.04	1.69	2.46	6.03	2.32	1.09	2.65	11.40	6.15	3.46	4.23	48.68
1895.	4.01	0.79	2.05	5.76	2.85	2.34	5.80	2.38	1.03	4.08	4.86	3.89	39.84
1896.	1.89	10.06	6.04	0.69	3.83	5.02	5.77	2.47	8.77	2.24	5.68	1.40	53.86
1897.	3.28	4.99	3.45	3.54	8.23	3.71	13.34	7.97	2.90	1.95	5.20	5.24	63.80
1898.	4.79	3.99	3.48	4.10	7.63	2.12	4.50	5.91	1.78	7.37	5.84	4.27	55.78
1899.	3.38	5.60	7.58	3.25	2.26	3.15	5.98	3.60	5.73	2.76	2.48	4.30	50.07
1900.	4.29	7.88	4.55	2.39	4.46	3.87	4.78	1.64	2.16	2.76	3.85	3.23	45.86
1901.	1.96	0.80	8.07	10.22	6.57	2.89	7.32	12.11	3.94	1.66	1.83	9.45	66.82
1902.	4.35	6.85	4.40	5.36	2.31	6.61	4.37	4.09	7.86	6.06	1.30	6.85	60.41
1903.	4.89	5.48	5.93	4.42	0.24	9.45	3.79	7.78	3.29	14.06	1.47	5.15	65.95
1904.	4.24	3.03	3.50	4.41	3.16	4.58	2.41	4.56	6.88	5.60	1.78	2.55	46.40
1905.	7.13	2.02	3.15	1.82	1.48	3.40	3.66	3.67	6.05	4.31	2.38	4.14	43.21
1906.	2.65	2.17	4.11	4.37	5.79	5.47	7.51	4.04	2.57	4.58	1.53	5.03	49.82
1907.	3.83	2.44	2.41	3.47	3.80	5.68	1.35	2.05	12.54	6.36	6.52	5.74	56.19
1908.	3.66	7.44	2.91	3.86	7.85	4.43	4.67	3.98	1.67	3.64	0.67	3.02	47.80
M'ns	3.77	4.57	4.22	3.99	4.52	4.27	4.92	4.74	5.06	4.93	3.31	4.52	52.82

POMPTON PLAINS, Morris County. Elevation, 195 feet

1903.	....	....	....	5.30	0.66	8.84	4.77	7.68	3.40	14.22	1.67	4.54	....
1904.	3.21	2.92	3.11	4.43	2.60	2.67	5.06	4.88	7.31	3.84	1.74	2.24	44.01
1905.	5.23	2.19	4.21	1.97	1.19	3.25	2.02	5.98	6.83	2.91	1.83	3.48	41.09
1906.	2.69	2.42	5.60	4.75	4.25	9.18	7.07	3.43	3.52	3.39	1.79	2.88	50.97
1907.	4.90	3.34	2.84	3.66	4.44	4.61	1.07	3.15	12.37	6.50	5.90	5.49	58.27
1908.	4.33	6.97	2.80	1.87	10.31	2.43	7.01	6.16	1.39	2.21	0.88	2.83	49.19
M'ns	4.07	3.57	3.71	3.66	3.91	5.16	4.50	5.21	5.80	5.51	2.30	3.58	50.98

BOONTON (Elevation, 413 feet) and HANOVER (Elevation, 213 feet). Morris County

1888.	5.61	4.51	4.43	3.77	5.15	4.73	4.00	6.51	8.23	4.32	3.31	4.53	59.10
1889.	6.54	2.16	2.45	7.02	2.79	3.53	11.83	4.23	9.24	3.15	10.72	2.14	65.80
1890.	2.38	4.75	5.48	2.62	4.94	4.91	6.75	4.51	3.77	5.46	0.73	4.32	50.62
1891.	**8.26**	**5.12**	**3.32**	1.88	**3.00**	1.37	3.69	4.51	3.42	2.35	2.26	4.97	44.15
1892.	3.41	**0.98**	3.95	2.02	4.13	4.95	2.38	4.66	2.72	0.61	5.72	1.30	36.83
1893.	4.56	6.38	3.52	5.31	5.91	4.43	2.47	6.41	2.80	4.78	4.32	3.80	54.69
1894.	2.54	3.39	1.17	2.30	4.49	2.47	0.88	2.25	9.77	5.27	3.47	4.54	42.54
1895.	4.52	0.57	2.43	5.43	3.51	3.59	4.09	2.36	0.98	3.89	3.66	2.54	37.57
1896.	1.62	8.15	6.86	2.26	4.19	4.96	5.40	2.64	6.25	1.99	4.08	1.45	49.85
1897.	2.67	3.71	3.50	3.49	7.53	2.46	11.63	7.30	2.48	1.35	5.91	5.68	57.71
1898.	4.89	4.08	3.08	3.31	7.70	2.13	4.09	4.99	2.00	6.66	6.53	3.66	53.12
1899.	4.09	4.93	8.43	2.59	1.45	1.84	6.39	2.81	6.04	1.07	3.15	1.69	44.48
1900.	3.32	6.62	3.38	2.27	4.01	2.24	4.17	4.11	2.38	**3.69**	**3.90**	**2.46**	42.55
1901.	**2.00**	0.80	5.46	7.91	6.17	1.84	6.71	11.69	2.30	2.45	1.67	7.56	56.56
1902.	3.88	8.44	4.80	5.99	3.50	6.17	6.73	9.50	7.04	6.60	0.96	7.95	71.56
1903.	3.90	5.08	4.24	4.87	0.56	8.94	5.40	13.07	3.97	10.44	1.28	4.17	65.92
1904-06	....	....	....	....	....	....	....	....	....	....	....	....	....
1907.	4.93	2.15	3.46	3.40	4.77	3.51	2.53	3.49	12.95	6.46	6.22	5.43	59.30
1908.	4.07	6.73	2.63	1.78	8.85	2.31	6.01	5.85	1.51	2.34	1.26	2.92	46.26
M'ns	4.07	4.36	4.03	3.79	4.59	3.69	5.29	5.60	4.88	4.05	3.84	3.95	52.14

Values from January, 1888, to December, 1890, inclusive; for April, 1891; from June, 1891, to December, 1891, inclusive; for January, 1892; from March, 1892, to August, 1892, inclusive; from August, 1894, to December, 1894, inclusive; for December, 1895, March, 1899, November, 1899; July, August, and September, 1900; and from February, 1901, to December, 1903, inclusive, are for Hanover, about 8 miles south of Boonton.

DOVER, Morris County. Elevation, 575 feet

1885.	4.25	**4.23**	1.45	1.02	3.00	1.00	4.95	7.00	0.95	5.85	7.90	4.10	45.70
1886.	5.59	5.02	3.23	3.39	6.07	2.54	3.16	3.38	1.07	2.02	4.47	2.87	42.81
1887.	6.21	4.81	2.45	2.20	2.93	7.26	10.02	3.20	1.94	1.99	1.58	6.78	51.37
1888.	6.14	4.53	5.84	3.07	4.97	3.03	2.67	6.50	11.49	4.42	3.78	4.52	60.96
1889.	7.50	2.02	2.21	5.71	3.50	3.83	10.61	2.59	7.71	4.05	9.73	2.03	61.49
1890.	2.15	4.99	4.98	2.95	5.32	3.46	6.12	3.87	3.90	5.91	0.56	3.30	47.51
1891.	8.51	4.04	4.04	2.53	2.24	2.17	4.90	8.59	1.91	2.23	3.47	5.32	49.95
1892.	5.96	0.85	3.57	1.24	4.97	4.52	2.90	4.53	2.46	0.48	6.46	1.44	39.38
1893.	4.00	6.93	3.10	3.93	4.42	7.02	2.08	6.22	2.62	4.85	3.98	3.59	52.74
1894.	2.49	4.64	1.09	3.40	5.61	2.92	0.61	2.83	7.25	5.45	3.09	4.06	43.44
1895.	4.04	0.77	2.11	5.22	2.66	3.94	3.97	2.37	0.64	4.16	2.47	2.98	35.33
1896.	2.12	8.39	7.16	0.64	3.48	3.55	4.59	3.27	8.07	2.03	4.45	1.08	48.83
1897.	3.39	3.94	3.36	3.03	8.85	3.44	13.27	8.23	2.19	1.67	5.79	5.08	62.24
1898.	4.96	3.11	3.06	3.21	6.77	1.29	3.71	5.17	2.69	5.58	6.29	2.67	48.51
1899.	4.15	5.00	7.59	2.40	2.21	1.78	5.25	3.22	6.34	1.77	2.64	3.11	45.46
1900.	4.23	6.79	3.91	2.51	4.78	2.16	4.50	2.48	3.02	2.95	3.02	2.30	42.65
1901.	1.82	1.00	5.80	7.53	6.09	1.99	10.92	12.87	4.02	2.07	1.84	7.32	63.27
1902.	4.31	6.93	5.05	4.75	2.17	5.35	8.51	5.31	7.06	6.08	1.29	7.79	64.60
1903.	4.79	4.05	5.49	4.34	0.37	15.02	5.47	9.04	3.39	10.77	1.27	5.25	69.25
1904.	4.67	2.59	3.49	3.77	3.19	5.20	4.23	4.86	6.30	5.23	2.10	3.10	48.73
1905.	6.46	1.75	3.43	2.16	1.34	5.18	5.57	3.95	8.73	3.35	2.30	3.90	48.12
1906.	2.90	2.25	4.73	4.66	4.55	5.55	7.58	2.84	1.88	4.61	1.51	5.59	48.65
1907.	3.60	3.57	3.31	3.82	3.67	4.09	2.71	2.99	10.38	7.18	6.93	6.40	58.65
1908.	4.21	7.40	3.16	3.14	7.72	2.91	6.91	5.10	2.60	4.21	1.02	3.15	51.53
M'ns	4.52	4.15	3.90	3.36	4.20	4.13	5.63	5.02	4.53	4.12	3.66	4.07	51.29

CHESTER, Morris County. Elevation, 860 feet

1893.	....	....	....	....	....	4.92	1.91	7.85	3.05	5.18	4.49	4.02	....
1894.	2.47	5.46	1.61	3.80	**6.13**	1.13	1.58	2.46	9.82	5.95	3.52	4.38	48.31
1895.	4.55	1.15	2.28	5.09	3.55	3.20	6.12	4.66	1.08	5.53	2.53	3.60	43.34
1896.	1.35	8.25	6.40	1.41	2.72	6.04	6.39	2.80	7.35	2.78	5.36	1.55	52.40

CHESTER, Morris County. Elevation, 860 feet—Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1897.	3.15	4.10	4.32	3.79	7.66	3.23	12.83	6.39	2.48	1.95	5.85	4.75	60.50
1898.	4.74	2.54	2.56	3.08	6.26	2.08	4.21	6.78	2.17	5.84	6.29	2.58	49.13
1899.	3.66	4.60	7.47	2.61	3.15	2.73	4.80	2.79	7.89	2.44	2.95	3.21	47.60
1900.	2.43	6.69	4.15	2.31	3.27	3.17	5.60	3.16	2.44	3.33	2.84	1.73	41.12
1901.	2.40	1.07	5.56	7.92	5.19	3.07	9.00	11.60	3.37	3.15	2.10	8.18	62.61
1902.	3.84	5.31	5.60	5.00	2.70	5.27	9.92	4.75	7.04	6.90	1.83	6.15	64.31
1903.	4.79	4.53	6.05	4.80	0.33	12.80	7.59	9.35	2.67	10.36	1.65	4.35	69.27
1904.	3.95	2.69	3.77	3.46	2.96	5.00	4.82	4.96	5.30	4.94	1.26	2.65	45.76
1905.	6.20	1.84	3.81	2.06	1.39	3.18	5.27	3.78	9.18	....	....	....	....
M'ns	3.63	4.02	4.46	3.78	3.78	4.29	6.16	5.49	4.40	4.86	3.39	3.93	52.19

BLAIRSTOWN, Warren County. Elevation, 351 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1891.	....	....	....	....	2.30	2.31	4.40	6.02	2.35	2.75	2.49	4.89	....
1892.	5.39	0.90	3.78	1.10	5.93	5.96	3.61	....	....	0.61	4.74	1.71	....
1893.	2.90	....	....	....	....	....	....	....	....	2.84	2.90	1.67	....
1894.	1.18	3.25	....	....	....	....	....	....	6.26	4.64	2.51	....	....
1895.	2.48	0.91	2.32	2.63	2.16	2.83	5.82	2.75	0.92	3.91	2.38	2.90	32.01
1896.	1.08	5.40	5.47	1.12	3.46	3.68	10.25	1.93	4.74	2.12	4.40	0.89	44.54
1897.	2.26	2.50	2.58	3.75	8.97	3.36	9.93	2.65	3.97	2.61	....	....	....
1898–1900	....	....	....	....	....	....	....	....	....	....	....	....	....
1901.	....	....	4.45	4.36	6.52	1.81	4.37	15.80	5.08	1.53	1.50	....	....
1902.	3.41	6.69	4.16	3.33	1.86	5.47	5.96	2.64	6.89	5.13	0.97	6.65	53.16
1903.	3.45	4.29	5.03	3.90	0.08	12.69	3.93	6.79	1.45	8.27	1.30	4.30	55.48
1904.	3.95	2.10	3.02	2.90	2.97	3.76	4.36	4.63	5.84	3.56	1.80	2.15	41.04
M'ns	2.90	3.26	3.85	2.89	3.81	4.65	5.85	5.40	4.17	3.45	2.50	3.14	45.87

BELVIDERE, Warren County. Elevation, 289 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1891.	....	....	....	....	....	....	4.52	5.11	2.24	4.18	1.63	4.09	....
1892.	6.02	1.36	4.72	1.56	4.73	4.96	3.09	3.89	2.37	0.33	6.72	1.81	41.56
1893.	1.87	7.54	3.58	3.88	....	....	....	11.94	3.57	2.24	3.71	3.01	....
1894.	2.40	4.66	1.17	2.73	6.65	3.57	2.27	2.64	5.47	5.03	3.32	5.55	45.46
1895.	2.84	1.73	2.14	4.28	2.41	4.62	4.48	3.32	0.76	5.01	2.31	3.32	37.22
1896.	0.68	6.90	5.71	1.39	3.82	4.41	13.29	2.32	3.88	3.04	4.50	1.03	50.97
1897.	2.57	2.90	3.26	4.15	8.21	3.23	10.92	4.44	3.52	2.55	5.95	5.39	57.09
1898.	4.33	3.07	2.94	3.64	7.81	2.29	4.69	8.40	1.61	5.62	5.70	3.25	53.35
1899.	3.54	5.23	5.24	1.96	2.76	3.40	4.42	5.91	7.68	1.43	2.80	2.59	46.96
1900.	3.32	5.09	3.66	2.12	2.31	3.70	5.37	1.92	2.06	1.54	2.37	2.91	36.37
1901.	2.08	0.98	5.31	4.15	5.24	1.84	3.66	8.58	2.66	1.57	1.75	7.31	45.13
1902.	3.13	7.05	4.45	3.57	1.48	6.65	6.21	4.11	8.83	5.62	1.65	8.99	61.74
1903.	4.54	5.15	5.07	4.27	0.40	11.00	4.63	5.90	1.95	8.21	1.59	4.35	57.06
1904.	4.32	2.06	3.88	2.78	2.93	3.50	4.89	5.07	6.00	4.42	2.19	2.77	44.81
1905.	5.95	1.49	3.93	2.05	0.87	2.78	4.10	3.62	4.20	4.15	2.78	2.82	38.74
1906.	2.31	3.54	5.32	4.66	3.86	4.41	3.97	2.36	2.54	6.59	1.98	5.28	46.82
1907.	3.99	3.10	3.22	2.90	2.51	3.99	3.58	2.79	8.42	4.82	6.83	4.74	50.89
1908.	3.35	5.94	3.21	3.20	7.52	2.08	6.25	3.93	1.96	2.80	0.82	2.64	43.70
M'ns	3.37	3.99	3.93	3.14	3.97	4.15	5.31	4.79	3.87	3.84	3.26	3.99	47.61

PHILLIPSBURG, Warren County. Elevation, 196 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	4.40	4.73	4.39	4.16	0.83	9.09	6.89	5.87	1.47	8.23	1.26	3.35	54.67
1904.	3.36	2.07	3.61	2.53	2.88	3.26	4.77	10.04	5.20	3.80	1.96	2.40	45.88
1905.	4.64	2.20	3.79	1.70	0.95	2.27	2.69	4.79	5.69	4.09	2.60	2.73	38.14
1906.	2.78	3.03	5.34	3.84	4.43	4.38	4.00	4.09	2.36	5.47	1.44	4.98	46.14
1907.	3.70	2.27	3.16	2.75	3.32	3.83	0.97	3.04	8.51	4.63	5.63	4.42	46.23
1908.	2.88	5.37	2.93	2.57	6.34	2.12	4.48	3.78	2.23	2.88	0.90	2.62	39.16
M'ns	3.63	3.28	3.87	2.92	3.12	4.16	3.97	5.27	4.24	4.85	2.31	3.42	45.04

MAHWAH, Bergen County. Elevation, 312 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	....	....	6.62	4.18	0.60	10.58	3.44	7.34	2.82	5.67	2.16	2.69	....
1904.	3.61	2.36	3.31	3.34	2.90	2.86	4.84	4.40	6.17	5.31	1.50	1.81	42.41
1905.	5.17	1.95	4.01	1.76	0.52	3.89	3.55	3.55	6.21	3.43	2.01	3.84	39.89
1906.	2.17	2.28	4.78	4.89	5.13	4.20	7.41	4.71	3.75	2.66	1.69	2.70	46.37
1907.	5.25	2.83	2.81	3.18	4.16	4.48	1.99	1.86	10.55	6.91	5.28	5.39	54.69
1908.	3.77	7.29	4.04	1.87	10.19	1.86	4.60	6.22	1.42	2.60	0.62	2.86	47.34
M'ns	3.99	3.34	4.26	3.20	3.92	4.64	4.30	4.68	5.15	4.43	2.21	3.22	47.34

RIVER VALE, Bergen County. Elevation, 70 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1892.	....	....	....	....	....	3.61	4.98	4.10	1.52	0.89	5.53	2.04	....
1893.	3.23	5.88	4.76	4.37	4.60	3.39	2.57	4.87	2.06	4.43	3.47	3.86	48.09
1894.	2.00	5.85	1.67	2.61	4.08	1.17	1.84	3.93	7.27	6.06	4.93	3.59	45.00
1895.	5.01	1.30	2.64	4.11	1.66	2.65	6.70	3.79	1.16	5.03	3.74	3.41	41.20
1896.	0.86	9.60	7.38	1.71	4.03	6.10	4.48	2.93	4.51	2.12	3.09	2.70	49.51
1897.	3.57	3.41	3.91	2.34	6.27	3.83	8.91	4.32	2.38	1.06	5.43	5.70	51.13
1898.	4.69	3.32	2.59	4.94	8.21	1.24	4.78	5.07	2.29	4.59	7.68	3.79	53.19
1899.	5.73	6.77	5.42	2.23	2.04	2.50	3.61	3.25	5.69	1.42	3.16	2.91	44.73
1900.	5.32	6.61	4.30	1.93	4.40	3.15	6.10	3.97	2.10	6.07	5.54	2.35	51.84
1901.	3.10	0.70	6.12	5.80	8.13	1.49	6.57	7.04	2.90	4.45	2.62	6.90	55.82
1902.	4.07	7.53	7.20	2.64	4.63	5.77	3.05	2.62	7.23	3.96	1.46	8.16	58.32
1903.	4.50	4.22	5.14	5.13	0.00	10.62	3.41	9.40	2.90	12.81	0.94	4.73	63.80
1904.	4.42	2.66	3.62	4.22	1.91	2.88	2.69	2.86	6.35	3.75	2.50	2.98	40.84
1905.	5.31	2.37	3.83	2.27	0.52	5.52	3.90	4.74	5.65	1.48	2.04	2.58	40.21
1906.	2.04	1.90	....	2.96	4.29	3.43	6.86	6.54	4.11	....	....	5.43	....
1907.	5.40	3.90	....	4.20	4.12	3.53	1.45	1.98	8.06	4.80	3.45	....	....
1908.	....	6.40	3.26	....	8.87	2.52	6.01	6.27	1.15	4.10	0.40	2.60	....
M'ns	3.95	4.53	4.42	3.43	4.24	3.73	4.70	4.57	4.00	4.19	3.49	3.98	49.23

PATERSON, Passaic County. Elevation, 110 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1864.	....	0.63	3.68	5.28	7.55	2.71	....	....	....	....	....	4.18	....
1865.	4.89	4.60	7.40	3.89	9.36	7.11	10.03	2.25	3.35	5.04	4.53	5.38	67.83
1866.	1.20	4.12	1.98	2.28	3.73	4.69	4.85	6.36	7.90	5.35	2.71	3.34	48.51
1867.	1.86	4.92	5.17	2.78	5.97	8.49	4.85	13.46	0.57	4.88	2.75	2.20	57.90
1868.	2.88	1.37	2.73	1.25	9.29	6.81	7.40	4.15	7.71	1.27	5.02	3.14	53.02
1869.	3.25	6.26	5.31	1.79	4.07	4.90	4.03	2.89	2.96	8.04	4.00	5.96	54.06
1870.	5.59	5.26	5.56	5.64	[illegible]	4.20	3.82	4.43	2.77	3.81	2.68	1.26	47.98
1871.	2.66	3.29	3.99	1.89	....	....	....	....	....	....	....	....	....
1872–78	....	....	....	....	....	....	....	....	....	....	....	....	....
1879.	2.63	2.32	5.39	3.99	3.91	3.97	5.18	7.89	3.38	0.32	1.15	5.55	45.68
1880.	2.90	4.16	6.73	4.31	0.85	2.90	12.06	6.92	3.70	5.57	5.60	2.41	53.11
1881.	7.33	6.94	16.11	1.74	3.69	11.74	2.48	1.13	1.46	2.76	4.86	7.87	68.11
1882.	4.59	5.39	5.80	3.39	13.46	9.00	7.02	2.37	25.98	3.31	1.62	4.06	85.99
1883.	4.22	5.13	1.91	5.99	5.85	5.80	2.92	1.30	5.41	4.38	0.97	2.89	46.77
1884.	5.16	5.74	3.20	2.40	4.47	4.42	6.46	6.42	0.58	3.29	2.72	5.95	50.81
1885.	3.47	4.09	0.67	1.64	2.38	1.39	3.92	6.48	0.64	5.49	5.17	3.28	38.62
1886.	4.64	5.42	3.84	3.83	5.95	4.26	5.43	2.34	1.05	3.01	3.85	2.10	45.72
1887.	4.93	5.98	2.95	1.50	2.97	7.47	9.83	4.62	2.12	2.00	1.55	5.95	51.87
1888.	6.74	3.31	4.39	3.32	6.08	2.73	2.25	8.43	6.61	4.10	2.06	3.06	55.68
1889.	3.84	1.98	2.43	5.52	2.67	1.22	9.12	2.23	10.17	3.31	7.89	3.03	53.41
1890.	0.90	3.96	5.80	2.56	4.29	3.18	9.41	3.92	3.44	6.22	0.52	2.42	46.62
1891.	8.02	4.21	2.05	3.10	3.76	2.95	3.17	3.38	2.30	2.14	3.04	5.18	43.39
1892.	5.03	1.12	5.60	1.87	6.06	3.68	3.88	4.96	2.11	0.77	0.77	1.65	[illegible]
1893.	3.66	7.51	3.86	5.44	5.16	2.24	1.71	7.43	2.96	5.86	3.85	4.51	54.19
1894.	2.78	4.78	1.65	2.52	3.76	1.94	1.55	2.15	10.41	5.38	3.88	4.49	45.29
1895.	5.50	1.24	2.42	4.58	1.88	3.78	4.43	4.37	0.97	5.21	3.27	3.77	41.42
1896.	0.84	8.09	6.84	1.09	3.75	4.96	4.88	2.39	4.36	1.81	3.44	1.48	43.43
1897.	3.46	3.55	3.16	3.27	6.92	2.91	9.98	7.59	2.82	1.82	4.88	[illegible]	[illegible]
1898.	4.81	5.45	3.47	3.79	7.44	2.34	3.70	4.57	1.48	6.23	6.74	4.01	54.03
1899.	4.61	5.55	7.49	2.45	1.61	2.53	6.05	2.79	6.05	2.28	2.49	2.82	46.72
1900.	4.85	7.58	4.92	1.89	6.02	2.23	4.72	3.44	2.21	4.43	4.77	2.62	49.68
1901.	2.21	0.92	6.13	6.69	7.34	1.91	9.86	10.62	2.48	3.19	1.58	8.24	61.17
1902.	3.91	8.15	5.79	3.99	3.37	6.23	2.97	6.19	7.15	5.64	1.09	8.33	62.81
1903.	5.04	4.96	5.40	4.51	0.74	11.17	5.40	10.98	2.88	16.19	1.32	4.21	72.80
1904.	3.01	2.90	3.85	4.19	3.07	2.96	4.32	6.21	3.50	4.39	1.69	2.59	43.58
1905.	5.03	2.54	4.22	2.66	1.43	3.83	5.17	4.81	6.24	3.10	1.98	4.23	45.24
1906.	2.67	3.49	5.91	5.49	3.73	3.23	5.74	4.62	1.82	4.61	1.31	4.83	47.45
1907.	3.47	2.76	3.05	3.78	3.72	3.36	1.86	3.29	10.33	5.80	5.27	5.51	52.20
1908.	3.45	6.73	2.54	3.19	8.40	2.47	4.53	7.22	1.41	1.64	0.77	3.12	45.47
M'ns	4.00	4.38	4.56	3.41	4.82	4.37	5.42	5.13	4.48	4.24	3.29	4.10	52.20

ENGLEWOOD, Bergen County. Elevation, 135 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1887.	2.61	....	3.86	0.91	0.31	9.57	4.86	5.50	2.24	2.87	2.06	4.99	....
1888.	4.01	6.01	4.48	3.77	7.01	1.89	2.47	6.39	6.25	5.53	3.82	4.89	50.43
1889.	5.34	2.18	3.49	6.92	2.04	2.39	15.53	4.98	11.31	4.72	9.32	3.69	[illegible]
1890.	2.85	4.46	7.92	2.03	4.54	5.16	5.74	4.23	3.63	8.49	0.76	3.38	[illegible]
1891.	7.38	4.54	3.69	2.28	2.90	2.19	3.03	3.04	2.40	2.40	2.88	4.90	[illegible]
1892.	5.36	1.55	3.84	1.55	4.46	2.86	3.82	4.68	1.52	0.93	0.43	2.37	[illegible]
1893.	4.13	5.82	4.79	4.35	5.40	3.72	2.52	8.04	2.86	6.59	3.63	4.66	[illegible]
1894.	3.80	5.30	1.59	2.89	4.01	1.27	2.61	3.17	10.23	6.72	5.12	4.77	[illegible]
1895.	....	....	....	....	2.55	2.77	5.31	3.45	1.10	4.65	4.38	5.42	....
1896.	1.57	8.45	6.05	1.62	4.22	5.87	4.00	2.30	3.46	2.15	2.91	1.92	44.55
1897.	4.21	3.59	2.88	2.51	8.58	2.51	17.87	2.90	1.51	0.87	4.94	6.44	[illegible]
1898.	5.90	4.59	3.10	3.78	8.87	1.35	5.66	5.88	0.89	8.42	6.95	4.07	[illegible]
1899.	5.00	7.17	6.72	2.25	1.95	4.34	0.27	4.14	0.61	2.65	2.23	2.02	[illegible]
1900.	4.60	6.84	3.99	2.64	....	....	....	4.56	3.24	4.58	....	2.27	....
1901.	....	....	....	....	....	1.11	4.71	10.37	....	2.39	1.79	0.71	....
1902.	2.95	6.13	4.68	3.75	1.66	6.71	3.79	3.81	4.33	6.73	1.51	6.93	[illegible]
1903.	3.07	4.08	4.05	3.12	0.58	8.15	4.05	6.61	2.88	11.75	1.03	3.25	[illegible]
1904.	4.20	2.43	3.16	4.17	1.63	3.19	5.14	7.50	4.41	2.91	3.40	4.19	[illegible]
1905.	4.17	3.05	4.07	2.81	1.06	4.23	6.32	5.28	7.58	3.11	1.75	4.10	[illegible]
1906.	3.02	2.76	5.19	6.42	4.74	2.04	3.41	4.04	2.57	4.72	1.71	3.85	[illegible]
1907.	3.39	2.61	4.38	4.10	4.35	3.52	1.35	2.74	8.40	4.17	5.69	4.20	[illegible]
1908.	4.20	5.93	2.17	1.82	9.44	1.63	4.27	5.96	1.69	2.07	0.89	3.59	[illegible]
M'ns	4.13	4.60	4.20	3.28	4.06	3.64	5.37	4.98	4.24	4.52	3.49	4.24	[illegible]

From 1887 to 1894, inclusive, the values are for Tenafly, only a few miles from Englewood

LITTLE FALLS, Passaic County. Elevation, 175 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	....	....	....	....	....	....	....	....	3.74	14.12	1.17	4.25	....
1904.	3.51	2.51	3.04	4.17	3.59	2.30	5.01	5.55	7.03	4.20	1.78	2.15	[illegible]
1905.	3.72	1.68	4.47	2.66	0.89	4.08	4.03	4.84	3.51	2.79	2.14	4.02	[illegible]
1906.	2.01	3.12	5.12	5.35	3.77	3.62	6.77	3.20	2.29	3.84	1.43	3.10	[illegible]
1907.	5.61	2.61	2.41	3.59	4.32	3.68	1.99	3.41	9.48	6.06	6.00	5.53	[illegible]
1908.	4.00	[illegible]	2.61	1.82	10.84	2.32	4.92	7.15	1.57	1.80	0.87	2.79	[illegible]
M'ns	3.90	3.36	3.53	3.52	4.68	3.20	4.79	4.84	4.71	5.48	2.23	3.64	[illegible]

ROSELAND, Essex County. Elevation, 369 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1897.	....	....	....	....	8.02	3.13	11.51	6.06	2.88	1.72	5.54	6.02	....
1898.	4.84	4.36	3.65	4.01	7.47	3.36	4.44	0.40	1.30	6.72	6.99	3.79	[illegible]
1899.	5.15	5.65	7.27	2.44	1.65	2.92	5.53	4.15	6.93	1.67	3.01	3.20	[illegible]
1900	4.72	6.38	3.77	2.18	5.43	1.55	0.48	2.82	2.82	4.02	3.61	2.18	[illegible]
1901.	1.86	0.77	5.17	8.26	6.29	1.64	8.05	10.37	1.92	1.03	1.61	7.71	[illegible]
1902.	3.40	6.90	4.79	3.51	2.20	5.86	6.16	5.89	6.15	6.08	1.08	7.45	[illegible]
M'ns	3.99	4.82	4.03	4.09	5.18	3.08	7.03	5.95	3.67	3.69	3.65	5.06	[illegible]

CHATHAM, Morris County. Elevation, 234 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	....	....	2.10	3.80	0.95	8.20	4.58	5.07	4.08	5.90	1.34	4.00	....
1904.	2.78	2.69	3.59	3.23	3.12	1.75	4.29	6.80	9.27	4.77	1.74	2.24	46.27
1905.	4.62	2.03	4.33	2.96	1.67	3.47	2.22	5.69	7.08	3.00	2.53	3.78	43.38
1906.	2.86	2.02	4.97	5.27	3.93	3.68	5.94	5.14	1.66	3.32	1.75	3.97	44.51
1907.	5.80	1.80	2.71	4.06	5.13	3.70	1.43	2.65	8.52	5.96	6.35	5.32	53.43
1908.	4.47	5.88	3.28	1.82	8.67	2.04	3.84	5.77	2.14	3.12	1.17	3.41	45.61
M'ns	4.11	2.88	3.50	3.52	3.91	3.81	3.72	5.19	5.46	4.34	2.48	3.79	46.71

SOUTH ORANGE, Essex County. Elevation, 200 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1870	....	....	....	....	....	....	....	....	3.07	5.64	3.19	2.58	....
1871.	3.10	3.33	4.03	3.13	3.82	3.20	4.56	4.16	2.05	6.27	3.19	2.55	43.39
1872.	1.56	1.31	3.67	2.10	2.17	4.14	6.55	4.69	1.75	3.75	3.65	5.36	40.70
1873.	3.10	3.56	3.12	4.28	3.30	1.66	6.12	5.93	3.91	5.02	4.14	3.82	47.96
1874.	6.50	3.95	2.03	7.52	2.66	2.89	6.65	3.45	9.85	2.60	2.82	4.03	54.95
1875.	3.31	3.67	3.54	3.70	2.00	2.99	5.03	12.55	2.00	3.41	3.85	2.49	48.57
1876.	1.17	4.96	7.03	2.68	4.60	1.18	2.28	2.31	6.57	0.91	4.05	2.70	40.44
1877.	4.68	1.10	1.50	2.50	0.92	4.45	4.02	5.75	2.53	7.19	6.62	0.91	42.17
1878.	5.52	2.95	3.04	1.38	3.85	2.30	4.43	6.90	2.63	3.25	3.95	7.07	47.27
1879.	2.90	2.03	3.85	4.18	2.50	4.36	5.09	8.11	2.55	0.27	1.94	4.45	42.23
1880.	2.40	2.70	4.19	3.02	0.41	1.27	6.79	5.85	2.25	2.35	2.65	3.85	37.73
1881.	4.72	6.10	5.57	0.85	3.12	5.25	1.03	2.12	0.31	2.18	3.07	4.62	38.97
1882.	5.48	4.08	3.32	2.05	6.00	2.95	3.61	1.35	14.45	1.59	1.80	1.85	48.53
1883.	4.10	4.65	1.77	3.13	2.49	5.50	2.23	2.50	4.80	5.00	0.95	4.06	41.18
1884.	6.00	4.85	4.28	2.35	3.30	6.02	5.05	7.23	0.15	2.90	3.30	5.40	50.83
1885.	3.50	4.78	0.81	1.30	1.18	1.00	4.00	7.55	0.25	4.35	4.10	2.50	35.62
1886.	5.50	4.60	3.47	3.00	4.78	2.50	3.48	1.10	1.00	2.40	4.12	3.55	39.50
1887.	3.50	5.07	2.45	2.28	0.93	5.70	9.38	6.38	1.80	1.80	1.60	5.55	46.54
1888.	6.35	4.12	8.20	4.10	6.46	3.62	2.62	8.33	7.93	5.86	4.85	4.95	67.39
1889.	7.15	2.49	3.88	7.54	3.25	3.54	18.58	4.69	12.39	3.46	11.37	2.47	80.81
1890.	2.91	5.32	6.71	2.43	4.62	5.66	5.74	4.43	4.33	6.98	0.78	4.08	53.39
1891.	10.55	4.88	4.81	3.80	3.54	1.78	6.00	5.51	2.76	2.95	2.86	4.70	51.14
1892.	6.70	1.58	4.15	2.73	4.89	5.92	2.73	4.53	3.24	0.77	6.99	1.63	45.86
1893.	4.07	8.90	3.42	6.81	3.37	3.61	1.78	7.16	2.72	5.30	4.05	3.47	54.66
1894.	2.11	5.23	1.73	2.32	4.20	1.70	1.10	1.48	8.10	5.28	3.78	4.98	42.01
1895.	5.63	1.30	2.60	4.35	2.99	4.25	5.03	4.54	0.97	3.61	3.55	2.66	41.48
1896.	1.45	7.85	4.58	1.47	2.21	5.85	7.93	1.81	4.90	1.50	3.03	1.83	44.41
1897.	3.62	2.57	2.56	2.47	6.69	3.20	15.80	7.08	1.51	1.11	4.62	4.70	55.93
1898.	4.32	3.85	3.95	4.61	6.40	2.43	5.26	3.51	1.11	6.39	7.39	3.39	52.62
1899.	4.99	5.68	6.97	1.88	1.62	1.03	3.70	5.04	6.09	2.45	2.60	2.30	45.25
1900.	4.26	6.40	3.50	2.78	5.12	2.88	5.72	2.78	3.52	5.09	3.68	2.16	48.19
1901.	1.95	0.78	3.92	7.34	6.12	1.34	5.68	12.80	1.91	2.08	1.18	7.57	52.67
1902.	3.01	5.69	4.52	3.45	1.91	6.08	4.71	2.91	6.20	6.07	1.24	7.46	54.15
1903.	4.58	5.35	4.51	3.67	0.52	9.28	4.22	13.57	3.80	11.46	1.06	4.35	66.37
1904.	2.97	3.05	3.39	3.81	3.11	2.24	5.88	7.71	5.14	4.27	1.30	2.55	45.42
1905.	4.24	2.15	4.09	2.51	1.21	3.66	4.58	6.02	6.68	3.07	2.48	3.66	44.35
1906.	2.68	2.16	3.70	5.29	4.22	4.07	4.62	3.90	4.22	4.52	1.06	4.74	45.18
1907.	3.24	2.86	3.39	3.80	5.02	3.67	1.30	2.46	8.92	5.29	5.18	4.77	49.90
1908.	4.20	5.47	2.74	2.84	8.17	3.27	4.33	5.69	1.52	2.70	0.94	3.24	45.11
M'ns	4.17	3.98	3.82	3.41	3.52	3.57	5.20	5.37	4.13	3.90	3.41	3.82	48.31

NEWARK, Essex County. Elevation, 140 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1843.	....	....	....	....	0.85	1.59	2.28	22.48	3.61	5.90	3.92	4.14	....
1844.	4.98	1.61	4.78	0.39	3.55	2.56	5.82	2.08	2.97	5.52	2.04	3.88	40.21
1845.	3.37	4.21	3.76	1.28	2.16	3.40	2.18	4.80	2.46	2.26	2.88	3.74	36.50
1846.	5.12	4.16	3.42	3.26	8.74	2.18	4.73	4.10	0.55	2.82	8.74	3.74	51.56
1847.	4.66	6.08	4.11	0.85	2.16	6.25	3.30	2.80	11.30	3.46	2.84	5.01	54.84
1848.	1.82	1.82	2.40	1.34	5.98	6.00	2.06	0.96	2.20	1.96	2.72	4.52	36.78
1849.	0.64	2.69	4.86	0.91	4.24	1.09	2.36	8.08	1.60	6.93	2.18	4.47	40.05
1850.	5.01	3.06	4.18	3.03	7.41	3.54	7.42	4.72	4.10	1.72	1.52	5.11	51.15
1851.	2.01	4.50	3.17	6.09	3.03	1.10	6.44	1.52	0.62	3.66	4.61	1.93	40.38
1852.	2.92	2.20	4.80	5.22	2.68	1.72	2.54	4.16	1.74	2.17	5.84	7.51	43.53
1853.	3.09	5.22	3.14	3.02	4.68	3.65	3.25	11.22	5.03	5.08	3.67	1.28	52.34
1854.	1.79	5.02	0.68	11.36	4.17	2.10	3.58	1.12	3.96	2.44	4.31	2.64	43.47
1855.	4.03	3.47	1.88	2.47	2.36	4.52	4.47	4.16	2.25	5.26	2.89	6.50	44.26
1856.	3.77	1.25	2.00	2.57	4.32	3.12	1.41	5.70	2.66	1.40	2.79	3.48	31.47
1857.	3.83	1.50	1.99	7.16	6.03	5.34	5.08	4.02	3.81	3.96	0.87	5.78	49.37
1858.	3.40	2.50	1.01	3.85	5.00	4.65	3.00	4.21	1.41	3.01	4.78	4.26	41.08
1859.	6.06	3.80	6.88	5.30	2.25	3.94	4.02	6.26	6.08	2.55	3.78	5.20	57.02
1860.	2.35	2.71	1.22	2.51	5.00	1.82	2.72	6.24	5.65	2.81	6.72	3.42	43.17
1861.	4.46	1.88	4.02	4.92	5.19	2.60	1.12	3.97	3.26	2.86	6.42	1.99	43.59
1862.	5.42	3.70	4.00	3.22	3.04	6.60	3.02	3.00	2.12	4.26	4.46	1.85	41.69
1863.	4.27	4.25	5.25	5.84	4.49	1.04	5.06	4.98	1.30	3.44	2.61	4.58	48.01
1864.	1.73	0.82	3.14	3.67	5.28	1.86	2.68	3.21	4.68	2.68	3.95	4.76	38.46
1865.	4.09	4.57	4.89	3.34	5.73	3.48	6.74	3.91	3.21	4.68	3.30	4.38	52.35
1866.	1.74	5.07	1.82	2.82	4.40	2.50	1.84	5.31	5.47	3.97	2.09	2.91	39.97
1867.	1.61	5.64	4.40	2.58	6.55	9.74	3.76	10.62	1.21	4.62	1.94	2.04	54.74
1868.	3.28	1.62	2.17	5.26	6.92	5.90	8.54	4.59	8.96	1.25	4.38	3.84	56.71
1869.	3.42	5.06	4.67	1.15	4.67	5.84	3.60	1.56	2.54	6.82	3.08	5.44	47.94
1870.	4.72	4.26	4.56	7.00	2.00	3.12	6.96	3.10	2.80	4.75	2.46	2.18	47.91
1871.	3.04	3.04	4.99	3.68	3.95	7.10	4.14	5.31	1.99	6.03	3.99	2.22	49.48
1872.	1.84	1.78	3.88	3.74	3.08	4.27	8.04	6.62	3.24	3.11	4.18	3.78	48.46
1873.	5.82	3.88	2.76	5.84	3.76	1.72	6.62	7.76	3.55	3.74	4.67	2.47	52.59
1874.	5.67	3.17	2.14	8.72	2.76	3.58	4.23	2.78	0.05	2.14	2.86	2.81	50.21
1875.	3.31	2.40	3.82	3.14	1.60	2.34	5.98	10.22	1.93	2.87	4.36	2.61	44.58
1876.	1.20	5.36	10.00	3.30	3.04	1.58	3.06	2.45	7.50	1.26	4.04	2.52	45.31
1877.	3.06	1.65	6.08	3.12	1.01	4.17	5.98	7.73	1.47	7.71	6.92	0.92	49.85
1878.	6.52	4.96	3.64	1.73	4.20	2.44	4.33	8.06	2.51	2.83	4.57	7.47	53.29
1879.	2.89	2.53	3.74	4.06	2.18	3.04	5.05	9.12	3.75	0.32	1.94	5.33	44.85
1880.	2.59	2.83	4.00	3.30	0.76	1.18	7.46	4.68	2.48	2.10	2.36	2.68	37.32
1881.	5.05	4.64	6.83	1.71	2.91	5.04	1.34	0.28	0.87	2.73	3.07	4.53	39.00
1882.	5.80	4.73	3.19	2.01	5.69	2.08	3.52	1.31	17.66	2.00	1.77	1.94	51.70
1883.	3.71	4.92	2.00	4.65	3.35	4.47	2.76	2.46	4.74	5.36	1.43	2.72	42.57
1884.	5.16	4.14	5.63	2.66	2.03	4.95	5.28	5.39	0.25	3.54	2.92	5.90	47.83
1885.	3.33	5.85	1.43	2.03	3.03	1.39	3.11	5.98	5.10	4.47	4.77	3.10	43.59
1886.	4.96	4.67	3.95	4.17	7.13	3.19	4.78	1.57	1.63	2.91	4.86	4.25	48.07
1887.	3.63	5.43	3.62	3.12	5.80	7.00	7.05	3.23	2.30	2.53	2.08	4.82	50.61
1888.	5.86	4.29	6.08	4.05	6.33	2.70	2.06	7.08	6.21	4.04	4.90	3.47	50.87

NEWARK, Essex County. Elevation, 140 feet—Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1889.	6.04	2.68	3.31	6.24	2.43	3.04	14.60	4.57	8.23	2.42	8.87	2.38	64.81
1890.	2.54	4.27	6.61	2.10	4.19	4.44	5.40	5.20	5.13	6.49	0.78	3.71	50.86
1891.	7.11	4.67	4.61	2.11	2.95	2.02	6.73	4.61	2.53	2.54	2.44	4.08	46.40
1892.	5.63	1.62	4.54	2.31	4.79	4.68	2.89	3.92	1.47	0.60	6.22	1.44	40.11
1893.	3.60	4.98	3.35	5.36	4.54	2.89	2.53	7.54	2.26	5.33	3.30	3.27	48.95
1894.	1.92	4.50	1.04	2.62	4.15	1.51	2.60	2.05	5.81	5.21	3.68	4.61	40.60
1895.	5.55	0.88	2.75	4.49	2.84	3.91	4.72	3.41	0.64	4.64	3.74	2.67	40.24
1896.	1.26	6.82	6.45	1.27	3.57	6.60	10.28	2.91	4.18	1.76	3.14	1.72	49.96
1897.	3.19	2.95	2.81	3.66	6.56	3.92	19.09	8.69	2.20	1.65	4.99	5.32	65.66
1898.	4.99	4.33	3.65	4.70	6.86	2.12	3.85	4.06	1.63	7.18	7.43	3.52	54.32
1899.	5.10	5.37	6.75	1.73	1.63	1.06	4.85	4.92	6.49	2.54	1.78	2.44	44.66
1900.	4.28	5.82	3.14	2.28	4.62	2.96	6.12	2.88	3.30	4.50	4.68	1.75	46.33
1901.	1.67	0.69	4.70	6.56	5.95	1.07	4.89	11.94	1.63	2.14	1.70	7.58	50.52
1902.	2.77	5.35	4.94	3.57	1.58	7.15	3.02	2.00	5.05	7.06	1.12	7.37	50.98
1903.	4.26	4.59	4.08	3.13	0.42	11.51	4.27	14.54	4.56	13.26	0.92	3.56	69.10
1904.	3.27	2.67	3.56	4.71	2.93	3.00	5.36	7.46	4.19	4.16	1.85	2.87	46.03
1905.	3.67	2.13	3.80	2.49	1.25	3.02	6.27	5.14	6.27	2.91	2.03	3.23	42.21
1906.	2.36	1.91	4.98	5.68	4.77	2.63	3.71	2.46	3.54	4.23	1.37	6.18	43.82
1907.	4.93	3.72	4.31	5.89	6.45	4.37	0.95	3.32	10.17	6.07	5.01	4.87	60.06
1908.	4.50	3.98	2.15	2.52	9.01	4.17	6.30	7.74	1.69	2.10	0.35	3.15	47.66
M'ns	3.77	3.64	3.94	3.69	4.07	3.63	4.77	5.22	3.88	3.82	3.53	3.79	47.75

JERSEY CITY, Hudson County. Elevation, 15 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1871.	....	....	4.91	3.44	4.01	7.47	4.87	5.78	2.56	6.94	4.76	2.22	....
1872.	1.91	1.88	3.83	2.31	2.86	2.92	8.14	6.15	2.78	3.19	4.14	4.10	44.21
1873.	5.46	4.11	2.24	5.09	3.82	1.43	3.92	8.59	3.35	2.81	4.77	2.76	48.35
1874.	4.87	2.71	1.94	7.47	1.72	3.59	3.99	2.28	7.07	1.65	2.24	2.50	42.03
1875.	2.92	3.01	3.67	3.07	1.19	2.00	5.52	....	....	2.70	3.69	....	....
1876.	0.88	4.91	9.01	3.29	....	1.43	....	....	....	2.60	3.21	2.36	....
1877.	....	....	6.07	....	....	....	....	....	....	....	....	....	....
1878.	....	....	....	....	....	....	6.88	8.00	3.50	2.99	4.89	7.05	....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1905.	....	....	....	....	....	....	....	....	....	....	....	3.38	....
1906.	3.36	2.83	6.07	5.83	4.48	1.45	4.41	2.54	2.81	4.16	1.40	4.13	43.47
1907.	3.52	3.06	3.55	4.64	4.55	3.15	1.22	2.79	7.37	4.45	5.34	4.43	48.07
1908.	4.03	5.44	2.53	2.20	9.09	1.50	4.92	5.63	1.81	1.87	0.93	3.43	43.38
M'ns	....	....	....	....	....	....	....	....	....	....	....	....	....

BAYONNE, Hudson County. Elevation, 50 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1891.	....	....	....	....	....	....	3.02	6.53	2.38	2.57	1.97	3.65	....
1892.	5.16	1.27	5.13	2.36	4.94	4.52	3.39	3.69	1.11	0.64	7.62	1.44	41.27
1893.	3.10	6.81	4.23	5.20	4.77	2.35	2.22	6.44	2.53	3.90	3.80	3.35	48.70
1894.	2.30	4.37	1.80	2.53	3.78	1.74	5.00	2.41	7.50	4.84	3.60	5.06	44.99
1895.	5.00	1.41	3.09	3.93	2.71	2.54	4.62	5.06	1.25	4.54	4.60	2.36	41.11
1896.	1.05	6.39	5.44	1.51	2.02	6.99	5.84	2.77	4.48	1.88	2.80	1.04	43.71
1897.	2.93	2.74	2.66	3.37	5.93	3.72	16.96	5.83	1.26	1.31	4.52	5.22	56.45
1898.	4.30	4.59	3.18	3.79	6.35	1.88	4.28	3.57	1.56	5.82	6.75	2.88	48.95
1899.	4.62	6.17	6.55	1.51	1.52	2.16	6.46	4.66	4.77	1.84	2.19	1.88	44.33
1900.	4.45	5.60	3.90	2.32	4.80	2.45	6.42	2.43	3.03	3.49	4.67	1.87	45.49
1901.	2.34	0.72	5.17	5.88	6.74	0.89	5.20	8.95	1.99	1.93	1.36	6.91	47.98
1902.	2.87	5.79	4.60	3.31	1.33	6.78	3.06	2.74	4.46	6.77	1.39	6.88	49.98
1903.	3.79	4.61	4.44	2.86	0.40	9.33	3.47	6.30	5.56	11.88	1.05	3.44	57.19
1904.	3.52	2.07	3.32	4.36	1.75	2.50	5.85	10.13	4.81	3.45	2.52	2.78	47.06
1905.	4.17	2.48	4.19	2.72	1.11	4.20	5.26	5.60	5.38	2.49	1.98	2.99	42.57
1906.	3.28	2.10	5.18	5.21	4.99	2.13	4.70	2.52	3.07	4.62	1.27	3.59	42.66
1907.	3.55	2.61	3.37	3.97	4.44	3.70	1.58	2.47	7.44	4.28	4.97	4.34	46.72
1908.	3.74	4.62	2.58	2.16	9.23	2.00	3.45	5.99	1.99	2.02	0.97	4.10	42.85
Mn's	3.54	3.78	4.05	3.35	3.99	3.53	5.04	4.89	3.59	3.79	3.22	3.58	46.35

BERGEN POINT, Hudson County. Elevation, 37 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1898.	4.92	5.30	3.77	4.28	6.75	1.86	5.25	3.94	2.18	7.35	8.18	3.52	57.30
1899.	5.41	5.41	7.73	1.88	2.17	2.25	6.99	5.88	5.06	2.32	3.11	2.73	50.97
1900.	5.33	6.36	3.01	2.56	4.51	2.72	6.62	2.52	3.11	4.06	5.04	2.39	48.36
1901.	2.07	0.84	6.34	8.28	7.68	1.08	6.33	9.63	2.17	2.08	1.84	7.43	55.77
1902.	3.45	6.15	3.95	3.83	1.31	6.49	4.30	2.90	4.53	7.37	1.61	7.75	53.64
1903.	4.40	4.52	4.77	3.80	0.26	10.95	4.10	7.12	7.10	13.79	1.34	3.77	65.92
1904.	3.99	2.48	4.21	4.70	1.77	2.78	5.33	8.95	4.81	3.88	2.64	3.29	48.83
1905.	3.05	2.66	3.97	2.87	1.50	3.78	5.90	4.84	6.69	2.70	2.06	3.39	44.01
1906.	3.59	2.10	5.09	5.91	5.24	2.48	4.28	2.21	3.00	4.76	1.34	4.63	44.63
1907.	4.05	2.88	2.39	4.77	4.69	3.95	1.69	2.53	8.02	4.52	6.60	4.80	50.89
1908.	4.37	5.92	3.06	3.06	9.99	2.10	3.31	6.61	2.15	2.53	0.85	3.91	47.86
M'ns	4.11	4.07	4.39	4.18	4.17	3.68	4.92	5.19	4.44	5.03	3.15	4.33	51.66

ELIZABETH, Union County. Elevation, 33 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1880.	2.95	3.03	5.64	3.45	0.59	1.39	8.92	3.93	3.30	2.58	2.68	3.27	41.73
1881.	5.99	4.55	8.31	1.77	3.42	7.29	1.56	0.66	0.87	2.73	2.64	4.63	44.45
1882.	5.31	5.68	3.19	2.42	5.70	1.97	4.32	2.49	18.58	2.02	1.76	1.64	55.11
1883.	3.82	4.83	1.96	3.98	3.65	7.27	4.04	3.79	3.89	3.92	1.31	3.06	45.54
1884.	4.96	4.91	4.60	2.74	4.04	4.70	5.34	6.49	2.04	3.51	3.43	5.67	52.43
1885.	3.81	5.79	1.08	1.98	2.38	1.83	5.41	7.43	0.75	4.40	4.47	2.54	41.87
1886.	4.67	5.15	3.02	3.46	5.56	2.72	5.34	1.39	0.94	3.24	4.35	3.99	41.73
1887.	4.23	5.75	3.98	3.17	1.09	7.40	7.96	2.90	2.48	2.47	2.24	3.70	47.37
1888.	5.77	3.38	7.81	3.94	6.33	2.70	2.18	7.23	8.09	5.22	5.48	3.83	61.96
1889.	5.78	2.28	3.44	5.33	2.93	2.19	9.45	5.48	9.58	2.81	9.43	2.34	61.04
1890.	2.65	4.11	5.42	2.56	3.13	4.22	5.30	5.52	4.83	6.98	1.02	3.92	49.66
1891.	7.50	4.98	5.49	1.61	4.09	2.33	4.68	4.06	1.82	2.77	1.54	3.93	44.80
1892.	4.24	2.13	3.11	2.34	5.02	5.10	2.43	4.57	1.52	0.57	8.01	1.57	40.61
1893.	3.00	6.74	4.22	6.20	5.07	2.40	2.70	6.49	2.79	4.85	3.79	3.82	52.07

CHESTER, Morris County. Elevation, 860 feet—Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1897.	3.15	4.10	4.32	3.79	7.66	3.23	12.83	6.39	2.48	1.95	5.85	4.75	60.50
1898.	4.74	2.54	2.56	3.08	6.26	2.08	4.21	**6.78**	2.17	5.84	6.29	2.58	49.13
1899.	3.66	4.60	7.47	2.61	3.15	2.73	4.80	2.79	7.09	2.44	2.95	3.21	47.60
1900.	2.43	6.69	4.15	**2.81**	3.27	3.17	5.60	3.16	2.44	3.33	2.84	1.73	41.12
1901.	2.40	1.07	5.56	7.92	5.19	3.07	9.00	11.60	3.37	3.15	2.10	8.18	62.61
1902.	3.84	5.31	5.60	5.00	2.70	5.27	9.92	4.75	7.04	6.90	1.83	6.15	64.31
1903.	4.79	4.53	6.05	4.80	0.33	12.80	7.59	9.35	**2.67**	10.36	1.65	4.35	69.27
1904.	3.95	2.69	3.77	3.46	2.96	5.00	4.82	**4.96**	5.30	4.94	1.26	2.65	45.76
1905.	**6.20**	1.84	3.81	2.06	1.39	3.18	5.27	**3.78**	9.18	....	....	....	....
M'ns	3.63	4.02	4.46	3.78	3.78	4.29	6.16	5.49	4.40	4.86	3.39	3.93	52.19

BLAIRSTOWN, Warren County. Elevation, 351 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1891.	....	....	....	....	2.30	2.31	4.40	6.02	2.35	2.75	2.49	4.89	....
1892.	5.39	0.90	3.78	1.10	5.93	5.96	3.61	....	....	0.61	4.74	1.71	....
1893.	2.90	....	....	....	....	....	....	....	....	2.84	2.90	1.67	....
1894.	1.18	3.25	....	....	....	....	....	....	6.26	4.64	2.51	....	....
1895.	2.48	0.91	**2.32**	2.63	2.16	2.83	5.82	2.75	0.92	3.91	2.38	**2.90**	32.01
1896.	1.08	5.40	5.47	1.12	3.46	3.68	10.25	1.93	4.74	2.12	4.40	0.89	44.54
1897.	2.26	2.50	2.58	3.75	8.97	3.36	9.93	2.65	3.97	2.61	....	....	....
1898–1900...	....	....	....	....	....	....	....	....	....	....	....	....	....
1901.	....	....	4.45	4.36	6.52	1.81	4.37	15.80	5.08	1.53	1.50	....	....
1902.	3.41	**6.69**	4.16	3.33	1.86	5.47	5.96	2.64	6.89	5.13	0.97	6.65	53.16
1903.	3.45	4.29	5.03	3.90	0.08	12.69	3.93	6.79	1.45	8.27	1.30	4.30	55.48
1904.	3.95	2.10	3.02	2.90	2.97	3.76	4.36	4.63	5.84	3.56	1.80	2.15	41.04
M'ns	2.90	3.26	3.85	2.89	3.81	4.65	5.85	5.40	4.17	3.45	2.50	3.14	45.87

BELVIDERE, Warren County. Elevation, 289 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1891.	....	....	....	....	....	....	4.52	5.11	2.24	4.18	1.63	4.09	....
1892.	6.02	1.36	4.72	1.56	4.73	4.96	3.09	3.89	2.37	0.33	6.72	1.81	41.56
1893.	1.87	7.54	3.58	3.88	....	....	....	11.94	3.57	2.24	3.71	3.01	....
1894.	2.40	4.66	1.17	2.73	6.65	3.57	2.27	2.64	5.47	5.03	3.32	5.55	45.46
1895.	2.84	1.73	2.14	4.28	2.41	4.62	4.48	3.32	0.76	5.01	2.31	3.32	37.22
1896.	0.68	6.90	5.71	1.39	3.82	4.41	13.29	2.32	3.88	3.04	4.50	1.03	50.97
1897.	2.57	2.90	3.26	4.15	8.21	3.23	10.92	4.44	3.52	2.55	5.95	5.39	57.09
1898.	4.33	3.07	2.94	3.64	7.81	2.29	4.69	8.40	1.61	5.62	5.70	3.25	53.35
1899.	3.54	5.23	5.24	1.96	2.76	3.40	4.42	5.91	7.68	1.43	2.80	2.59	46.90
1900.	3.32	5.09	3.66	2.12	2.31	3.70	5.37	1.92	2.06	1.54	2.37	2.91	36.37
1901.	2.08	0.98	5.31	4.15	5.24	1.84	3.66	8.58	2.66	1.57	1.75	7.31	45.13
1902.	3.13	7.05	4.45	3.57	1.48	6.65	6.21	4.11	8.83	5.62	1.65	8.99	61.74
1903.	4.54	5.15	5.07	4.27	**0.40**	**11.00**	4.63	5.90	1.95	8.21	1.59	4.35	57.06
1904.	4.32	2.06	3.88	2.78	2.93	3.50	4.89	5.07	6.00	4.42	2.19	2.77	44.81
1905.	5.95	1.49	3.93	2.05	0.87	2.78	4.10	3.62	4.20	4.15	2.78	2.82	38.74
1906.	2.31	3.54	5.32	4.66	3.86	4.41	3.97	2.36	2.54	6.59	1.98	5.28	40.82
1907.	3.99	3.10	3.22	2.90	2.51	3.99	3.58	2.79	8.42	4.82	6.83	4.74	50.89
1908.	3.35	5.94	3.21	3.20	7.52	2.08	6.25	3.93	1.96	2.80	0.82	2.64	43.70
M'ns	3.37	3.99	3.93	3.14	3.97	4.15	5.31	4.79	3.87	3.84	3.26	3.99	47.61

PHILLIPSBURG, Warren County. Elevation, 196 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	**4.40**	4.73	4.39	4.16	0.83	9.09	6.89	5.87	1.47	8.23	1.26	3.35	54.67
1904.	3.36	2.07	3.61	2.53	2.88	3.26	4.77	10.04	5.20	3.80	1.96	2.40	45.88
1905.	4.64	2.20	3.79	1.70	0.95	2.27	2.69	4.79	5.69	4.09	2.60	2.73	38.14
1906.	2.78	3.03	5.34	3.84	4.43	4.38	4.00	4.09	2.36	5.47	1.44	4.98	46.14
1907.	3.70	2.27	3.16	2.75	3.32	3.83	0.97	3.04	8.51	4.63	5.63	4.42	46.23
1908.	2.88	5.37	2.93	2.57	6.34	2.12	4.48	3.78	2.23	2.88	0.96	2.62	39.10
M'ns	3.63	3.28	3.87	2.92	3.12	4.16	3.97	5.27	4.24	4.85	2.31	3.42	45.04

MAHWAH, Bergen County. Elevation, 312 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	....	....	6.62	4.18	0.60	10.58	3.44	7.34	2.82	5.67	2.16	2.69	....
1904.	3.61	2.36	3.31	3.34	2.90	2.86	4.84	4.40	6.17	5.31	1.50	1.81	42.41
1905.	5.17	1.95	4.01	1.70	0.52	3.89	3.55	3.55	6.21	3.43	2.01	3.84	39.89
1906.	2.17	2.28	4.78	4.89	5.13	4.20	7.41	4.71	3.75	2.66	1.69	2.70	46.37
1907.	5.25	2.83	2.81	3.18	4.16	4.48	1.99	1.86	10.55	6.91	5.28	5.39	54.69
1908.	3.77	7.29	4.04	1.87	10.19	1.86	4.60	6.22	1.42	2.60	0.62	2.86	47.34
M'ns	3.99	3.34	4.26	3.20	3.92	4.64	4.30	4.68	5.15	4.43	2.21	3.22	47.34

RIVER VALE, Bergen County. Elevation, 70 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1892.	....	....	....	....	....	3.61	4.98	4.10	1.52	0.89	5.53	2.04	....
1893.	3.23	5.88	4.76	4.37	4.60	3.39	2.57	4.87	2.66	4.43	3.47	3.86	48.09
1894.	2.00	5.85	1.67	2.61	4.08	1.17	1.84	3.93	7.27	6.06	4.93	3.59	45.00
1895.	5.01	1.30	2.64	4.11	1.66	2.65	6.70	3.79	1.16	5.03	3.74	3.41	41.20
1896.	0.86	9.60	7.38	1.71	4.03	6.10	4.48	2.93	4.51	2.12	3.09	2.70	49.51
1897.	3.57	3.41	3.91	2.34	6.27	3.83	8.91	4.32	2.38	1.06	5.43	5.70	51.13
1898.	4.69	3.32	2.59	4.94	8.21	1.24	4.78	5.07	2.29	4.59	7.68	3.79	53.19
1899.	5.73	6.77	5.42	2.23	2.04	2.50	3.61	3.25	5.69	1.42	3.16	2.91	44.73
1900.	5.32	6.61	4.30	1.93	4.40	3.15	6.10	3.97	2.10	6.07	5.54	2.35	51.84
1901.	3.10	0.70	6.12	5.80	8.13	1.49	6.57	7.04	2.90	4.45	2.62	6.90	55.82
1902.	4.07	7.53	7.20	2.64	4.63	5.77	3.05	2.62	7.23	3.96	1.46	8.16	58.32
1903.	4.50	4.22	5.14	5.13	0.00	10.62	3.41	9.40	2.90	12.81	0.94	4.73	63.80
1904.	4.42	2.66	3.62	4.22	1.91	2.88	2.69	2.86	6.35	3.75	2.50	2.98	40.84
1905.	5.31	2.37	3.83	2.27	0.52	5.52	3.90	4.74	5.65	1.48	2.04	2.58	40.21
1906.	2.04	1.90	....	2.96	4.29	3.43	6.86	6.54	4.11	....	....	5.43	....
1907.	5.40	3.90	....	4.20	4.12	3.53	1.45	1.98	8.06	4.80	3.45	....	....
1908.	....	6.40	3.26	....	8.87	2.52	6.01	6.27	1.15	4.10	0.40	2.60	....
M'ns	3.95	4.53	4.42	3.43	4.24	3.73	4.70	4.57	4.00	4.19	3.49	3.98	49.23

PATERSON, Passaic County. Elevation, 110 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1864.	....	0.63	3.68	5.28	7.55	2.71	....	....	....	....	....	4.18	....
1865.	4.89	4.60	7.40	3.89	9.36	7.11	10.03	2.25	3.35	5.04	4.53	5.38	67.83
1866.	1.20	4.12	1.98	2.28	3.73	4.69	4.85	6.36	7.90	5.35	2.71	3.34	48.51
1867.	1.86	4.92	5.17	2.78	5.97	8.49	4.85	13.46	0.57	4.88	2.75	2.20	57.90
1868.	2.88	1.37	2.73	1.25	9.29	6.81	7.40	4.15	7.71	1.27	5.02	3.14	53.02
1869.	3.25	6.26	5.31	1.79	4.67	4.90	4.03	2.89	2.96	8.04	4.00	5.96	54.06
1870.	5.59	5.26	5.56	5.64	2.36	4.20	3.82	4.43	2.77	3.81	2.68	1.26	47.38
1871.	2.66	3.29	3.99	1.89	....	....	....	....	....	....	....	....	....
1872–78.....	....	....	....	....	....	....	....	....	....	....	....	....	....
1879.	2.63	2.32	5.39	3.99	3.91	3.97	5.18	7.89	3.38	0.32	1.15	5.55	45.68
1880.	2.90	4.16	6.73	4.31	0.85	2.90	12.06	6.92	3.70	5.57	5.60	2.41	58.11
1881.	7.33	6.94	16.11	1.74	3.69	11.74	2.48	1.13	1.46	2.76	4.86	7.87	68.11
1882.	4.59	5.39	5.80	3.39	13.46	9.00	7.02	2.37	25.98	3.31	1.62	4.06	85.99
1883.	4.22	5.13	1.91	5.99	5.85	5.80	2.92	1.30	5.41	4.38	0.97	2.89	40.77
1884.	5.16	5.74	3.20	2.40	4.47	4.42	6.46	6.42	0.58	3.29	2.72	5.95	50.81
1885.	3.47	4.09	0.67	1.64	2.38	1.39	3.92	6.48	0.64	5.49	5.17	3.28	38.62
1886.	4.64	5.42	3.84	3.83	5.95	4.26	5.43	2.34	1.05	3.01	3.85	2.10	45.72
1887.	4.93	5.98	2.95	1.50	2.97	7.47	9.83	4.62	2.12	2.00	1.55	5.95	51.87
1888.	6.74	3.31	4.39	3.32	6.08	2.73	2.25	8.43	6.61	4.10	2.06	3.06	53.68
1889.	3.84	1.98	2.43	5.52	2.67	1.22	9.12	2.23	10.17	3.31	7.89	3.03	53.41
1890.	0.90	3.96	5.80	2.56	4.29	3.18	9.41	3.92	3.44	6.22	0.52	2.42	46.62
1891.	8.02	4.21	2.05	3.10	3.76	2.95	3.17	3.38	2.30	2.14	3.04	5.18	43.30
1892.	5.03	1.12	5.60	1.87	6.06	3.68	3.88	4.96	2.11	0.77	6.77	1.65	44.40
1893.	3.66	7.51	3.86	5.44	5.16	2.24	1.71	7.43	2.96	5.86	3.85	4.51	54.19
1894.	2.78	4.78	1.65	2.52	3.76	1.94	1.55	2.15	10.41	5.38	3.88	4.49	45.29
1895.	5.50	1.24	2.42	4.58	1.88	3.78	4.43	4.37	0.97	5.21	3.27	3.77	41.42
1896.	0.84	8.09	6.84	1.09	3.75	4.96	4.88	2.39	4.36	1.81	3.44	1.48	43.93
1897.	3.46	3.55	3.16	3.27	6.92	2.91	9.98	7.59	2.82	1.82	4.88	5.90	56.32
1898.	4.81	5.45	3.47	3.79	7.44	2.34	3.70	4.57	1.48	6.23	6.74	4.01	54.03
1899.	4.61	5.55	7.49	2.45	1.61	2.53	6.05	2.79	6.05	2.28	2.49	2.82	46.72
1900.	4.85	7.58	4.92	1.89	6.02	2.23	4.72	3.44	2.21	4.43	4.77	2.62	49.68
1901.	2.21	0.92	6.13	6.69	7.34	1.91	9.86	10.62	2.48	3.19	1.58	8.24	61.17
1902.	3.91	8.15	5.79	3.99	3.37	6.23	2.97	6.19	7.15	5.64	1.09	8.33	62.81
1903.	5.04	4.96	5.40	4.51	0.74	11.17	5.40	10.98	2.88	16.19	1.32	4.21	72.80
1904.	3.91	2.90	3.85	4.19	3.07	2.96	4.32	6.21	3.50	4.39	1.69	2.59	43.58
1905.	5.03	2.54	4.22	2.66	1.43	3.83	5.17	4.81	6.24	3.10	1.98	4.23	45.24
1906.	2.67	3.49	5.91	5.49	3.73	3.23	5.74	4.62	1.82	4.61	1.31	4.83	47.45
1907.	3.47	2.76	3.05	3.78	3.72	3.36	1.86	3.29	10.33	5.80	5.27	5.51	52.20
1908.	3.45	6.73	2.54	3.19	8.40	2.47	4.53	7.22	1.41	1.64	0.77	3.12	45.47
M'ns	4.00	4.38	4.56	3.41	4.82	4.37	5.42	5.13	4.48	4.24	3.29	4.10	52.20

ENGLEWOOD, Bergen County. Elevation, 135 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1887.	2.61	....	3.86	0.91	0.31	9.57	4.86	5.50	2.24	2.87	2.06	4.99	....
1888.	4.01	6.01	4.48	3.77	7.01	1.89	2.47	6.30	6.25	5.53	3.82	4.89	56.43
1889.	5.34	2.18	3.49	6.92	2.94	2.39	15.53	4.98	11.31	4.72	9.32	3.69	72.81
1890.	2.85	4.46	7.92	2.63	4.54	5.16	5.74	4.23	3.63	8.49	0.76	3.38	51.79
1891.	7.38	4.54	3.69	2.28	2.90	2.19	3.03	3.04	2.40	2.40	2.88	4.90	41.63
1892.	5.36	1.55	3.84	1.55	4.46	2.86	3.82	4.68	1.52	0.93	6.43	2.37	39.37
1893.	4.13	5.82	4.79	4.35	5.40	3.72	2.52	8.04	2.86	6.59	3.03	4.60	55.85
1894.	3.80	5.30	1.59	2.89	4.01	1.27	2.61	3.17	10.23	6.72	5.12	4.77	51.48
1895.	....	....	....	....	2.55	2.77	5.34	3.45	1.10	4.65	4.38	5.42	....
1896.	1.57	8.45	6.05	1.62	4.22	5.87	4.00	2.30	3.46	2.15	2.94	1.92	44.55
1897.	4.21	3.59	2.88	2.51	8.58	2.51	17.87	2.90	1.51	0.87	4.94	6.44	58.81
1898.	5.90	4.59	3.10	3.78	8.87	1.35	5.66	5.88	0.89	8.42	6.95	4.07	59.46
1899.	5.00	7.17	6.72	2.25	1.95	4.34	6.27	4.14	6.61	2.65	2.23	2.62	51.95
1900.	4.60	6.84	3.90	2.64	....	....	....	4.56	3.24	4.58	....	2.27	....
1901.	....	....	....	....	....	1.11	4.74	10.37	....	2.39	1.79	6.71	....
1902.	2.95	6.13	4.68	3.75	1.66	6.71	3.79	3.81	4.33	6.73	1.51	6.93	52.98
1903.	3.07	4.08	4.05	3.12	0.58	8.15	4.05	6.61	2.88	11.75	1.03	3.25	53.53
1904.	4.20	2.43	3.16	4.17	1.63	3.19	5.14	7.59	4.41	2.91	3.40	4.19	49.35
1905.	4.17	3.05	4.07	2.81	1.06	4.23	6.32	5.28	7.58	3.11	1.75	4.10	47.53
1906.	3.02	2.76	5.19	6.42	4.74	2.04	3.44	4.04	2.57	4.72	1.71	3.85	44.50
1907.	3.39	2.61	4.38	4.40	4.35	3.52	1.35	2.74	8.40	4.17	5.09	4.20	48.60
1908.	4.20	5.93	2.17	1.82	9.44	1.63	4.27	5.96	1.69	2.07	0.89	3.59	43.66
M'ns	4.13	4.60	4.20	3.28	4.06	3.64	5.37	4.98	4.24	4.52	3.49	4.24	50.75

From 1887 to 1894, inclusive, the values are for Tenafly, only a few miles from Englewood

LITTLE FALLS, Passaic County. Elevation, 175 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	....	....	....	....	....	....	....	....	3.74	14.12	1.17	4.25	....
1904.	3.51	2.51	3.04	4.17	3.59	2.30	5.61	5.55	7.63	4.20	1.78	2.15	45.10
1905.	3.72	1.68	4.47	2.66	0.89	4.08	4.63	4.84	3.54	2.79	2.14	4.02	39.46
1906.	2.64	3.12	5.12	5.35	3.77	3.62	6.77	3.20	2.29	3.51	1.43	3.10	41.25
1907.	5.61	2.61	2.41	3.59	4.32	3.68	1.99	3.41	9.48	6.06	6.00	5.53	51.74
1908.	4.00	6.55	2.61	1.82	10.84	2.32	4.92	7.15	1.57	1.80	0.87	2.79	47.51
M'ns	3.90	3.36	3.53	3.52	4.68	3.20	4.79	4.84	4.71	5.08	2.23	3.64	47.88

ROSELAND, Essex County. Elevation, 369 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1897.	....	....	....	....	8.02	3.13	11.51	6.06	2.88	1.72	5.54	6.02	....
1898.	4.84	4.36	3.65	4.01	7.47	3.36	4.44	6.40	1.30	6.72	6.90	3.79	57.33
1899.	5.15	5.65	7.27	2.44	1.65	2.92	5.53	4.15	6.93	1.67	3.01	3.20	49.57
1900	4.72	6.38	3.77	2.18	5.43	1.55	6.48	2.82	2.82	4.02	3.61	2.18	45.96
1901.	1.86	0.77	5.17	8.26	6.29	1.64	8.05	10.37	1.92	1.93	1.64	7.71	55.61
1902.	3.40	6.90	4.79	3.51	2.20	5.86	6.16	5.89	6.15	6.08	1.08	7.45	59.47
M'ns	3.99	4.82	4.03	4.09	5.18	3.08	7.03	5.95	3.67	3.69	3.65	5.06	55.14

CHATHAM, Morris County. Elevation, 234 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1903.	....	....	2.10	3.80	0.95	8.20	4.58	5.07	4.08	5.90	1.34	4.00	....
1904.	2.78	2.69	3.59	3.23	3.12	1.75	4.29	6.80	9.27	4.77	1.74	2.24	46.27
1905.	4.62	2.03	4.33	2.96	1.67	3.47	2.22	5.69	7.08	3.00	2.53	3.78	43.38
1906.	2.86	2.02	4.97	5.27	3.93	3.68	5.94	5.14	1.66	3.32	1.75	3.97	44.51
1907.	5.80	1.80	2.71	4.06	5.13	3.70	1.43	2.65	8.52	5.96	6.35	5.32	53.43
1908.	4.47	5.88	3.28	1.82	8.67	2.04	3.84	5.77	2.14	3.12	1.17	3.41	45.61
M'ns	4.11	2.88	3.50	3.52	3.91	3.81	3.72	5.19	5.46	4.34	2.48	3.79	46.71

SOUTH ORANGE, Essex County. Elevation, 200 feet

1870	....	....	....	....	....	....	....	....	3.07	5.64	3.19	2.58	....
1871.	3.10	3.33	4.03	3.13	3.82	3.20	4.56	4.16	2.05	6.27	3.19	2.55	43.39
1872.	1.56	1.31	3.67	2.10	2.17	4.11	6.55	4.69	1.75	3.75	3.65	5.36	40.70
1873.	3.10	3.56	3.12	4.28	3.30	1.66	6.12	5.93	3.91	5.02	4.14	3.82	47.96
1874.	6.50	3.95	2.03	7.52	2.66	2.89	6.65	3.45	9.85	2.60	2.82	4.03	54.95
1875.	3.31	3.67	3.54	3.70	2.00	2.99	5.03	12.55	2.00	3.41	3.85	2.49	48.57
1876.	1.17	4.96	7.03	2.68	4.60	1.18	2.28	2.31	6.57	0.91	4.05	2.70	40.44
1877.	4.68	1.10	1.50	2.50	0.92	4.45	4.02	5.75	2.53	7.19	6.62	0.91	42.17
1878.	5.52	2.95	3.04	1.38	3.85	2.30	4.43	6.90	2.63	3.25	3.95	7.07	47.27
1879.	2.90	2.03	3.85	4.18	2.50	4.36	5.09	8.11	2.55	0.27	1.94	4.45	42.23
1880.	2.40	2.70	4.19	3.02	0.41	1.27	6.79	5.85	2.25	2.35	2.65	3.85	37.73
1881.	4.72	6.10	5.57	0.85	3.12	5.25	1.03	2.12	0.31	2.18	3.07	4.62	38.97
1882.	5.48	4.08	3.32	2.05	6.00	2.95	3.61	1.35	14.45	1.59	1.89	1.85	48.53
1883.	4.10	4.65	1.77	3.13	2.49	5.50	2.23	2.50	4.80	5.00	0.95	4.06	41.18
1884.	6.00	4.85	4.28	2.35	3.30	6.02	5.05	7.23	0.15	2.90	3.30	5.40	50.83
1885.	3.80	4.78	0.81	1.30	1.18	1.00	4.00	7.55	0.25	4.35	4.10	2.50	35.62
1886.	5.50	4.60	3.47	3.00	4.78	2.50	3.48	1.10	1.00	2.40	4.12	3.55	39.50
1887.	3.50	5.07	2.45	2.28	0.93	5.70	9.38	6.38	1.80	1.80	1.60	5.55	46.54
1888.	6.35	4.12	8.20	4.10	6.46	3.62	2.62	8.33	7.93	5.86	4.85	4.95	67.39
1889.	7.15	2.49	3.88	7.54	3.25	3.54	18.58	4.69	12.39	3.46	11.37	2.47	80.81
1890.	2.91	5.32	6.71	2.43	4.62	5.06	5.74	4.43	4.33	6.98	0.78	4.08	53.39
1891.	10.55	4.88	4.81	3.80	3.54	1.78	6.00	5.51	2.76	2.95	2.86	4.70	54.14
1892.	6.70	1.58	4.15	2.73	4.89	5.92	2.73	4.53	3.24	0.77	6.99	1.63	45.86
1893.	4.07	8.90	3.42	6.81	3.37	3.61	1.78	7.16	2.72	5.30	4.05	3.47	54.66
1894.	2.11	5.23	1.73	2.32	4.20	1.70	1.10	1.48	8.10	5.28	3.78	4.98	42.01
1895.	5.63	1.30	2.60	4.35	2.99	4.25	5.03	4.54	0.97	3.61	3.55	2.66	41.48
1896.	1.45	7.85	4.58	1.47	2.21	5.85	7.93	1.81	4.90	1.50	3.03	1.83	44.41
1897.	3.62	2.57	2.56	2.47	6.69	3.20	15.80	7.08	1.51	1.11	4.62	4.70	55.93
1898.	4.32	3.86	3.95	4.61	6.40	2.43	5.26	3.51	1.11	6.39	7.39	3.39	52.62
1899.	4.99	5.68	6.97	1.88	1.62	1.03	3.70	5.04	6.09	2.45	2.60	2.30	45.25
1900.	4.26	6.40	3.50	2.78	5.12	2.88	5.72	2.78	3.52	5.09	3.68	2.16	48.19
1901.	1.95	0.78	3.92	7.34	6.12	1.34	5.68	12.80	1.91	2.08	1.18	7.57	52.67
1902.	3.01	5.69	4.52	3.45	1.91	6.08	4.71	2.91	6.20	6.07	1.24	7.46	54.15
1903.	4.58	5.35	4.51	3.67	0.52	9.28	4.22	13.57	3.80	11.46	1.06	4.35	66.37
1904.	2.97	3.05	3.39	3.81	3.11	2.24	5.88	7.71	5.14	4.27	1.30	2.55	45.42
1905.	4.24	2.15	4.09	2.51	1.21	3.66	4.58	6.02	6.68	3.07	2.48	3.66	44.35
1906.	2.68	2.16	3.70	5.29	4.22	4.07	4.62	3.90	4.22	4.52	1.06	4.74	45.18
1907.	3.24	2.86	3.39	3.80	5.02	3.67	1.30	2.46	8.92	5.29	5.18	4.77	49.90
1908.	4.20	5.47	2.74	2.84	8.17	3.27	4.33	5.69	1.52	2.70	0.94	3.24	45.11
M'ns	4.17	3.98	3.82	3.41	3.52	3.57	5.20	5.37	4.13	3.90	3.41	3.82	48.31

NEWARK, Essex County. Elevation, 140 feet

1843.	....	....	....	....	0.85	1.59	2.28	22.48	3.61	5.90	3.92	4.14	....
1844.	4.98	1.64	4.78	0.39	3.55	2.56	5.82	2.08	2.97	5.52	2.04	3.88	40.21
1845.	3.37	4.21	3.76	1.28	2.16	3.40	2.18	4.80	2.46	2.26	2.88	3.74	36.50
1846.	5.12	4.16	3.42	3.26	8.74	2.18	4.73	4.10	0.55	2.82	8.74	3.74	51.56
1847.	4.66	6.08	4.11	0.85	2.16	6.25	3.30	2.80	11.30	3.46	2.84	5.01	54.84
1848.	1.82	1.82	2.40	1.34	5.98	6.00	2.66	0.96	2.20	4.96	2.72	4.52	36.78
1849.	0.64	2.69	4.86	0.91	4.24	1.09	2.36	8.08	1.60	6.03	2.18	4.47	40.65
1850.	5.01	3.06	4.18	3.03	7.44	3.51	7.42	4.72	4.10	1.72	1.52	5.11	51.15
1851.	2.01	4.50	3.07	6.09	3.93	1.10	6.44	1.52	0.62	3.66	4.61	1.93	40.38
1852.	2.92	2.20	4.80	5.22	2.68	1.72	2.54	4.16	1.74	2.17	5.84	7.51	43.53
1853.	3.09	5.22	3.14	3.02	4.68	3.66	3.25	11.22	5.03	5.08	3.67	1.28	52.34
1854.	1.79	5.02	0.18	11.36	4.17	2.10	3.58	1.12	3.96	2.44	4.31	2.64	43.47
1855.	4.03	3.47	1.88	2.47	2.36	4.52	4.47	4.16	2.25	5.26	2.89	6.50	44.26
1856.	3.77	1.25	2.00	2.57	4.32	3.12	1.41	5.70	2.66	1.40	2.79	3.48	31.47
1857.	3.83	1.50	1.99	7.16	6.03	5.34	5.08	4.02	3.81	3.96	0.87	5.78	49.37
1858.	3.40	2.50	1.01	3.85	5.00	4.65	3.00	4.21	1.41	3.01	4.78	4.26	41.08
1859.	6.06	3.80	6.88	5.30	2.75	3.94	4.02	6.26	6.08	2.55	3.78	5.20	57.02
1860.	2.32	2.71	1.22	2.51	5.00	1.82	2.72	6.24	5.65	2.81	6.72	3.42	43.17
1861.	4.46	1.88	4.02	4.92	5.19	2.60	1.12	3.97	3.26	2.86	6.42	1.09	43.50
1862.	5.42	3.70	4.00	3.12	3.04	6.60	3.02	3.00	2.12	4.26	4.46	1.85	41.69
1863.	4.27	4.25	5.25	5.84	4.49	1.01	5.06	4.98	1.30	3.44	2.61	4.58	48.01
1864.	1.73	0.82	3.14	3.67	5.28	1.86	2.68	3.21	4.68	2.68	3.95	4.76	38.46
1865.	4.09	4.57	4.89	3.34	5.73	3.48	6.74	3.94	3.21	4.68	3.30	4.38	52.35
1866.	1.74	5.07	1.82	2.82	4.40	2.50	1.84	5.31	5.47	3.97	2.09	2.01	39.97
1867.	1.61	5.64	4.40	2.58	6.55	9.74	3.76	10.62	1.21	4.62	1.94	2.04	54.74
1868.	3.28	1.62	2.17	5.26	6.92	5.90	8.54	4.59	8.96	1.25	4.38	3.84	56.71
1869.	3.42	5.06	4.67	1.15	4.67	5.84	3.60	1.56	2.54	6.82	3.08	5.44	47.94
1870.	4.72	4.26	4.56	7.00	2.00	3.12	6.96	3.10	2.80	4.75	2.46	2.18	47.91
1871.	3.04	3.04	4.99	3.68	3.95	7.10	4.14	5.31	1.09	6.03	3.99	2.22	49.48
1872.	1.84	1.78	3.88	3.74	3.08	4.27	8.64	6.62	3.24	3.11	4.18	3.78	48.46
1873.	5.82	3.88	2.76	5.84	3.76	1.72	6.02	7.76	3.55	3.74	4.67	2.47	52.59
1874.	5.67	3.17	2.14	8.72	2.76	3.58	4.23	2.78	0.05	2.14	2.86	2.81	50.21
1875.	3.31	2.40	3.82	3.14	1.60	2.34	5.98	10.22	1.93	2.87	4.36	2.61	44.58
1876.	1.20	5.36	10.00	3.30	3.04	1.58	3.06	2.45	7.50	1.26	4.04	2.52	45.31
1877.	3.06	1.65	6.08	3.12	1.01	4.17	5.98	7.73	1.47	7.74	6.92	0.92	49.85
1878.	6.52	4.96	3.64	1.73	4.20	2.44	4.33	8.66	2.54	2.83	4.57	7.47	53.29
1879.	2.89	2.53	3.74	4.66	2.18	3.04	5.05	9.12	3.75	0.32	1.94	5.33	44.85
1880.	2.59	2.83	4.90	3.30	0.76	1.18	7.46	4.68	2.48	2.10	2.36	2.68	37.32
1881.	5.05	4.64	6.83	1.71	2.91	5.04	1.34	0.28	0.87	2.73	3.07	4.53	39.60
1882.	5.80	4.73	3.19	2.01	5.69	2.08	3.52	1.31	17.06	2.00	1.77	1.94	51.70
1883.	3.71	4.92	2.00	4.65	3.35	4.47	2.76	2.46	4.74	5.36	1.43	2.72	42.57
1884.	5.16	4.14	5.63	2.66	2.03	4.95	5.28	5.39	0.25	3.52	2.92	5.90	47.83
1885.	3.33	5.85	1.43	2.03	3.03	1.39	3.11	5.98	5.10	4.47	4.77	3.10	43.59
1886.	4.96	4.67	3.95	4.17	7.13	3.19	4.78	1.57	1.63	2.91	4.86	4.25	48.07
1887.	3.63	5.43	3.62	3.12	5.80	7.00	7.05	3.23	2.30	2.53	2.08	4.82	50.61
1888.	5.86	4.29	6.08	4.05	6.33	2.70	2.06	7.08	6.21	4.04	4.90	3.47	56.87

NEWARK, Essex County. Elevation, 140 feet—Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1889.	6.04	2.68	3.31	6.24	2.43	3.04	14.60	4.57	8.23	2.42	8.87	2.38	64.81
1890.	2.54	4.27	6.61	2.10	4.19	4.44	5.40	5.20	5.13	6.49	0.78	3.71	50.86
1891.	7.11	4.67	4.61	2.11	2.95	2.02	6.73	4.61	2.53	2.54	2.44	4.08	46.40
1892.	5.63	1.62	4.54	2.31	4.79	4.68	2.89	3.92	1.47	0.60	6.22	1.44	40.11
1893.	3.60	4.98	3.35	5.36	4.54	2.89	2.53	7.54	2.26	5.33	3.30	3.27	48.95
1894.	1.92	4.50	1.94	2.62	4.15	1.51	2.60	2.05	5.81	5.21	3.68	4.61	40.60
1895.	5.55	0.88	2.75	4.49	2.84	3.91	4.72	3.41	0.64	4.64	3.74	2.67	40.24
1896.	1.26	6.82	6.45	1.27	3.57	6.60	10.28	2.91	4.18	1.76	3.14	1.72	49.96
1897.	3.19	2.95	2.84	3.66	6.56	3.92	19.09	8.69	2.20	1.65	4.99	5.32	65.66
1898.	4.99	4.33	3.65	4.70	6.86	2.12	3.85	4.06	1.63	7.18	7.43	3.52	54.32
1899.	5.10	5.37	6.75	1.73	1.63	1.06	4.85	4.92	6.49	2.54	1.78	2.44	44.66
1900.	4.28	5.82	3.14	2.28	4.62	2.96	6.12	2.88	3.30	4.50	4.68	1.75	46.33
1901.	1.67	0.69	4.70	6.56	5.95	1.07	4.89	11.94	1.63	2.14	1.70	7.58	50.52
1902.	2.77	5.35	4.94	3.57	1.58	7.15	3.02	2.00	5.05	7.06	1.12	7.37	50.98
1903.	4.26	4.59	4.08	3.13	0.42	11.51	4.27	14.54	4.56	13.26	0.92	3.56	69.10
1904.	3.27	2.67	3.56	4.71	2.93	3.00	5.36	7.46	4.19	4.16	1.85	2.87	46.03
1905.	3.67	2.13	3.80	2.49	1.25	3.02	6.27	5.14	6.27	2.91	2.03	3.23	42.21
1906.	2.36	1.91	4.98	5.68	4.77	2.63	3.71	2.46	3.54	4.23	1.37	6.18	43.82
1907.	4.93	3.72	4.31	5.89	6.45	4.37	0.95	3.32	10.17	6.07	5.01	4.87	60.06
1908.	4.50	3.98	2.15	2.52	9.01	4.17	6.30	7.74	1.69	2.10	0.35	3.15	47.66
M'ns	3.77	3.64	3.94	3.69	4.07	3.63	4.77	5.22	3.88	3.82	3.53	3.79	47.75

JERSEY CITY, Hudson County. Elevation, 15 feet

1871.	....	....	4.91	3.44	4.01	7.47	4.87	5.78	2.56	6.94	4.76	2.22	....
1872.	1.91	1.88	3.83	2.31	2.86	2.92	8.14	6.15	2.78	3.19	4.14	4.10	44.21
1873.	5.46	4.11	2.24	5.09	3.82	1.43	3.92	8.59	3.35	2.81	4.77	2.76	48.35
1874.	4.87	2.71	1.94	7.47	1.72	3.59	3.99	2.28	7.07	1.65	2.24	2.50	42.03
1875.	2.92	3.01	3.67	3.07	1.19	2.00	5.52	....	....	2.70	3.69	....	....
1876.	0.88	4.91	9.01	3.29	....	1.43	....	....	....	2.60	3.21	2.36	....
1877.	....	....	6.07	....	....	....	....	....	....	....	....	....	....
1878.	....	....	....	....	....	....	6.88	8.00	3.50	2.59	4.89	7.05	....
*	*	*	*	*	*	*	*	*	*	*	*	*	*
1905.	....	....	....	....	....	....	....	....	....	....	....	3.38	....
1906.	3.36	2.83	6.07	5.83	4.48	1.45	4.41	2.54	2.81	4.16	1.40	4.13	43.47
1907.	3.52	3.06	3.55	4.64	4.55	3.15	1.22	2.79	7.37	4.45	5.34	4.43	48.07
1908.	4.03	5.44	2.53	2.20	9.09	1.50	4.92	5.63	1.81	1.87	0.93	3.43	43.38
M'ns	....	....	....	....	....	....	....	....	....	....	....	....	....

BAYONNE, Hudson County. Elevation, 50 feet

1891.	....	....	....	....	....	....	3.02	6.53	2.38	2.57	1.97	3.65	....
1892.	5.16	1.27	5.13	2.36	4.94	4.52	3.39	3.69	1.11	0.64	7.62	1.44	41.27
1893.	3.10	6.81	4.23	5.20	4.77	2.35	2.22	6.44	2.53	3.90	3.80	3.35	48.70
1894.	2.36	4.37	1.80	2.53	3.78	1.74	5.00	2.41	7.50	4.84	3.60	5.06	44.99
1895.	5.00	1.41	3.09	3.93	2.71	2.54	4.62	5.06	1.25	4.54	4.60	2.36	41.11
1896.	1.05	6.39	5.44	1.51	2.12	6.99	5.84	2.77	4.48	1.88	2.80	1.04	43.71
1897.	2.93	2.74	2.66	3.37	5.93	3.72	16.96	5.83	1.26	1.31	4.52	5.22	56.45
1898.	4.30	4.59	3.18	3.79	6.35	1.88	4.28	3.57	1.56	5.82	6.75	2.88	48.95
1899.	4.62	6.17	6.55	1.51	1.52	2.16	6.46	4.66	4.77	1.84	2.19	1.88	44.33
1900.	4.45	5.60	3.90	2.32	4.86	2.45	6.42	2.43	3.03	3.49	4.67	1.87	45.49
1901.	2.24	0.72	5.17	5.88	6.74	0.89	5.20	8.95	1.99	1.93	1.36	6.91	47.98
1902.	2.87	5.79	4.60	3.31	1.33	6.78	3.06	2.74	4.46	6.77	1.39	6.88	49.98
1903.	3.79	4.61	4.44	2.86	0.46	9.33	3.47	6.30	5.56	11.88	1.05	3.44	57.19
1904.	3.52	2.07	3.32	4.36	1.75	2.50	5.85	10.13	4.81	3.45	2.52	2.78	47.06
1905.	4.17	2.48	4.19	2.72	1.11	4.20	5.26	5.60	5.38	2.49	1.98	2.99	42.57
1906.	3.28	2.10	5.18	5.21	4.99	2.13	4.70	2.52	3.07	4.62	1.27	3.59	42.66
1907.	3.55	2.61	3.37	3.97	4.44	3.70	1.58	2.47	7.44	4.28	4.97	4.34	46.72
1908.	3.74	4.62	2.58	2.16	9.23	2.00	3.45	5.99	1.99	2.02	0.97	4.10	42.85
Mn's	3.54	3.78	4.05	3.35	3.99	3.53	5.04	4.89	3.59	3.79	3.22	3.58	46.35

BERGEN POINT, Hudson County. Elevation, 37 feet

1898.	4.92	5.30	3.77	4.28	6.75	1.86	5.25	3.94	2.18	7.35	8.18	3.52	57.30
1899.	5.41	5.41	7.73	1.88	2.17	2.25	6.99	5.88	5.06	2.32	3.11	2.73	50.97
1900.	5.33	6.46	3.01	2.56	4.51	2.72	6.62	2.52	3.11	4.06	5.04	2.39	48.36
1901.	2.07	0.84	6.34	8.28	7.68	1.08	6.33	9.63	2.17	2.08	1.84	7.43	55.77
1902.	3.45	6.15	3.95	3.83	1.31	6.49	4.30	2.90	4.53	7.37	1.61	7.75	53.64
1903.	4.40	4.52	4.77	3.80	0.26	10.95	4.10	7.12	7.10	13.79	1.34	3.77	65.92
1904.	3.99	2.48	4.21	4.70	1.77	2.78	5.33	8.95	4.81	3.88	2.64	3.29	48.83
1905.	3.65	2.66	3.97	2.87	1.50	3.78	5.90	4.84	6.69	2.70	2.06	3.39	44.01
1906.	3.59	2.10	5.09	5.91	5.24	2.48	4.28	2.21	3.00	4.76	1.34	4.63	44.63
1907.	4.05	2.88	2.39	4.77	4.69	3.95	1.69	2.53	8.02	4.52	6.60	4.80	50.89
1908.	4.37	5.92	3.06	3.06	9.99	2.10	3.31	6.61	2.15	2.53	0.85	3.91	47.86
M'ns	4.11	4.07	4.39	4.18	4.17	3.68	4.92	5.19	4.44	5.03	3.15	4.33	51.66

ELIZABETH, Union County. Elevation, 33 feet

1880.	2.95	3.03	5.64	3.45	0.59	1.39	8.92	3.93	3.30	2.58	2.68	3.27	41.73
1881.	5.99	4.55	8.34	1.77	3.42	7.29	1.56	0.66	0.87	2.73	2.64	4.63	44.45
1882.	5.34	5.68	3.19	2.42	5.70	1.97	4.32	2.49	18.58	2.02	1.76	1.64	55.11
1883.	3.82	4.83	1.96	3.98	3.65	7.27	4.04	3.79	3.89	3.92	1.31	3.06	45.54
1884.	4.96	4.91	4.60	2.71	4.04	4.70	5.34	6.49	2.04	3.51	3.43	5.67	52.43
1885.	3.81	5.79	1.08	1.98	2.38	1.83	5.41	7.13	0.75	4.40	4.47	2.54	41.87
1886.	4.67	5.15	3.92	3.46	5.56	2.72	5.34	1.39	0.94	3.24	4.35	3.99	41.73
1887.	4.23	5.75	3.98	3.17	1.09	7.40	7.96	2.90	2.48	2.47	2.24	3.70	47.37
1888.	5.77	3.38	7.81	3.94	6.33	2.70	2.18	7.23	8.09	5.22	5.48	3.83	61.96
1889.	5.78	2.28	3.44	5.33	2.93	2.19	9.45	5.48	9.58	2.81	9.43	2.34	61.04
1890.	2.65	4.11	5.42	2.56	3.13	4.22	5.30	5.52	4.83	6.98	1.02	3.92	49.66
1891.	7.50	4.98	5.49	1.61	4.09	2.33	4.68	4.06	1.82	2.77	1.54	3.93	41.80
1892.	4.24	2.13	3.11	2.34	5.02	5.10	2.43	4.57	1.52	0.57	8.01	1.57	40.61
1893.	3.00	6.74	4.22	6.20	5.07	2.40	2.70	6.49	2.79	4.85	3.79	3.82	52.07

ELIZABETH, Union County. Elevation, 33 feet—Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1894.	2.23	4.38	1.80	2.31	4.04	1.93	3.31	2.07	7.36	5.48	4.08	4.63	43.62
1895.	5.68	1.04	2.86	4.73	2.46	2.55	5.97	4.80	0.83	4.49	3.33	3.07	41.81
1896.	1.39	7.82	5.17	2.30	4.54	7.21	5.26	1.65	4.26	1.81	2.35	2.60	46.36
1897.	3.67	2.98	3.08	3.54	6.37	2.71	20.80	6.15	1.50	1.33	5.03	5.47	62.63
1898.	4.70	3.55	4.19	4.66	7.42	1.96	4.17	3.80	3.14	7.29	7.46	3.63	55.97
1899.	4.78	6.70	8.53	1.78	1.60	1.55	6.72	3.98	6.14	2.58	2.84	2.69	49.89
1900.	4.86	6.83	3.41	2.75	5.24	2.35	6.52	2.97	3.37	4.10	5.33	2.38	50.11
1901.	2.58	0.91	5.82	8.27	6.92	0.73	6.36	9.82	2.67	2.43	1.97	8.20	56.68
1902.	3.74	7.83	4.46	3.93	1.89	6.94	4.52	2.61	5.14	7.15	1.35	6.91	56.47
1903.	3.93	4.29	5.57	3.66	0.30	8.76	4.31	7.15	3.88	10.25	0.91	3.71	56.72
1904.	4.04	2.62	4.53	4.48	2.99	2.10	5.70	8.01	4.36	5.65	2.85	2.36	49.69
1905.	3.80	2.58	4.07	2.95	2.06	3.33	5.00	5.15	5.55	2.68	1.78	3.27	42.22
1906.	2.90	2.10	3.78	4.00	4.87	3.27	3.57	2.59	2.12	4.54	1.28	4.38	39.40
1907.	3.49	2.24	3.08	4.71	4.55	3.82	1.29	2.17	6.18	3.95	4.99	5.16	45.63
1908.	3.82	4.04	2.27	2.23	8.00	2.36	3.08	4.96	1.74	2.25	1.00	3.61	39.36
M'ns	4.15	4.25	4.30	3.49	4.01	3.62	5.39	4.49	4.13	3.93	3.40	3.79	48.95

December, 1903, June and October, 1905, estimated from surrounding stations

GILLETTE, Morris County. Elevation, 400 feet

1887.	....	....	....	....	....	5.94	9.31	2.98	1.62	....	0.95	5.36	....
1888.	5.06	4.82	6.77	3.75	5.40	2.07	1.25	7.39	10.34	3.52	3.01	4.39	57.77
1889.	3.99	1.93	2.96	5.41	2.72	3.54	12.31	4.60	9.94	3.31	10.19	1.51	62.41
1890.	2.43	3.18	4.73	2.49	3.30	3.38	6.49	5.46	3.15	4.97	0.67	3.93	44.18
1891.	6.46	4.39	4.61	1.90	3.27	1.40	3.88	4.41	3.01	3.26	2.85	5.07	44.51
1892.	5.26	2.14	4.12	2.17	4.31	5.47	2.50	4.39	2.68	0.65	7.89	1.43	43.01
1893.	3.33	5.39	3.29	5.15	5.19	3.33	1.84	8.07	2.81	4.41	3.60	3.72	50.13
1894.	2.32	4.51	2.39	2.26	5.93	2.11	1.56	1.60	7.25	4.30	3.58	3.73	41.54
1895.	4.92	1.71	2.42	4.30	2.97	3.74	4.53	4.06	0.95	3.31	2.75	2.97	38.63
1896.	1.29	6.21	5.53	0.97	2.87	5.26	7.20	1.15	4.96	1.95	2.77	2.04	42.20
1897.	3.51	2.55	2.82	3.24	6.30	2.35	10.43	5.50	2.40	1.37	4.14	6.09	50.70
1898.	4.42	3.48	3.20	3.84	7.43	1.65	6.15	4.30	1.03	5.16	6.66	3.63	50.95
M'ns	3.91	3.66	3.89	3.23	4.52	3.35	5.62	4.49	4.18	3.29	4.09	3.66	47.89

PLAINFIELD, Union County. Elevation, 100 feet

1887.	....	....	....	....	....	5.94	9.31	2.98	1.62	....	0.95	5.36	....
1888.	5.06	4.82	6.77	3.75	5.40	2.07	1.25	10.53	8.99	5.30	4.71	4.88	63.53
1889.	8.37	2.84	3.75	7.25	4.11	3.78	15.52	5.85	13.13	4.11	11.13	2.47	82.31
1890.	3.22	3.18	4.73	2.49	3.30	3.38	6.49	5.46	3.15	4.97	0.67	3.93	44.97
1891.	6.46	4.39	4.61	1.90	3.27	1.40	3.88	4.41	3.01	3.26	2.62	4.34	43.55
1892.	6.86	1.60	5.36	2.17	4.31	4.63	3.87	3.60	2.24	1.09	8.25	1.56	45.54
1893.	2.88	6.37	3.53	5.91	4.49	2.58	4.05	7.12	2.80	5.02	3.75	3.21	51.91
1894.	2.44	4.62	2.54	3.18	5.63	5.90	1.41	1.93	9.42	5.50	3.38	4.64	50.59
1895.	5.02	0.98	3.15	4.31	2.76	3.53	5.64	2.66	0.79	4.72	3.27	2.62	39.45
1896.	1.68	7.15	6.30	1.28	3.18	6.91	7.05	2.08	5.72	2.16	2.96	1.44	47.91
1897.	2.70	3.13	2.91	3.91	6.56	2.79	13.92	5.49	2.81	1.15	5.07	5.23	55.67
1898.	4.90	3.88	3.66	4.82	8.54	2.27	5.42	4.91	2.87	5.77	6.93	3.43	57.40
1899.	5.29	5.79	7.23	1.63	2.21	1.70	6.65	3.40	8.87	2.91	3.27	2.77	51.72
1900.	4.25	6.05	4.08	3.03	5.81	2.72	5.79	2.69	3.93	5.25	3.80	2.22	49.62
1901.	1.95	0.79	5.20	8.22	5.16	1.16	5.96	10.10	3.47	1.70	2.17	7.39	53.27
1902.	3.24	7.65	4.66	3.87	1.47	5.67	4.71	3.87	5.66	7.24	1.50	7.60	57.14
1903.	4.05	4.96	4.08	4.05	0.84	10.14	4.70	6.87	4.38	8.37	1.22	4.14	57.80
1904.	3.99	2.79	3.87	3.27	2.12	2.67	8.06	10.45	7.02	5.05	2.27	3.22	54.78
1905.	4.23	2.54	3.73	2.96	0.98	2.77	8.19	7.63	8.49	2.64	2.57	3.57	50.30
1906.	2.77	2.37	5.07	4.52	5.51	5.10	5.99	3.54	2.82	4.72	1.26	4.16	47.83
1907.	3.57	2.81	3.17	3.10	4.09	3.31	2.26	2.92	7.44	4.30	6.01	4.45	47.43
1908.	4.29	5.75	3.08	3.20	7.40	2.76	5.00	6.60	2.12	3.59	1.09	3.71	48.59
M'ns	4.15	4.02	4.36	3.75	4.15	3.78	6.14	5.24	5.03	4.23	3.75	4.11	52.71

The values from June, 1887, to July, 1888, inclusive; from February, 1890, to October, 1891, inclusive, and for April and May, 1892, are for Gillette, a few miles north of Plainfield.

SOMERVILLE, Somerset County. Elevation, 76 feet

1880.	....	....	....	....	....	....	....	....	0.91	4.06	3.27	3.09	....
1881.	3.33	4.34	8.12	0.73	3.03	7.03	0.72	2.76	0.30	2.19	2.47	3.61	38.63
1882.	4.77	3.71	3.87	1.93	5.77	1.69	2.95	3.38	11.05	1.15	1.18	1.21	42.66
1883.	2.39	4.32	1.91	3.07	2.36	4.25	2.19	3.85	4.13	4.22	0.99	4.24	37.92
1884.	4.68	4.68	3.73	2.12	2.88	6.20	4.35	2.44	0.26	2.92	5.05	5.78	45.09
1885.	3.68	4.47	0.83	1.25	2.26	2.32	7.28	4.03	0.50	4.65	3.99	2.47	37.73
1886.	....	....	....	....	....	....	....	....	....	....	....	3.71	....
1887.	5.93	5.41	4.51	2.70	1.45	5.75	9.83	4.01	3.30	2.35	1.60	5.89	52.73
1888.	5.15	4.11	6.87	4.31	4.30	3.30	2.77	6.91	7.65	4.01	3.19	4.14	56.71
1889.	5.54	3.17	2.84	5.14	....	....	....	....	....	....	....	....	....
1890.	....	....	....	....	....	....	....	....	....	....	....	....	....
1891.	....	....	....	....	2.92	1.88	4.01	5.70	2.22	2.95	2.26	4.76	....
1892.	4.10	1.24	3.99	2.07	4.43	3.85	5.44	3.81	3.78	0.44	6.74	1.51	41.40
1893.	3.75	6.17	3.30	5.38	3.96	4.26	3.34	8.32	3.19	4.68	3.22	3.24	52.81
1894.	2.09	4.32	2.08	3.02	8.66	2.66	1.08	2.31	7.15	4.66	3.17	3.75	44.95
1895.	3.48	1.03	3.19	4.46	3.22	3.36	4.67	2.91	0.70	3.89	3.32	2.37	36.60
1896.	1.46	6.74	5.95	1.19	3.83	6.76	7.09	2.51	4.67	1.56	3.26	1.02	46.04
1897.	3.03	3.04	2.75	3.92	7.84	2.80	11.08	3.96	2.03	0.95	4.98	5.24	51.62
1898.	4.35	3.16	3.23	4.41	7.61	2.14	6.57	5.69	2.13	4.96	7.52	3.52	55.29
1899.	5.08	5.53	7.85	1.94	2.43	2.81	4.71	3.25	7.18	1.52	2.38	2.26	46.94
1900.	4.23	5.43	3.02	2.66	7.13	2.85	5.18	3.55	3.18	2.86	3.50	2.18	45.77
1901.	2.38	0.90	5.42	7.60	5.46	1.14	6.15	7.40	2.18	1.73	2.12	7.75	50.23
1902.	2.94	5.77	4.49	3.73	1.84	5.33	5.52	8.30	5.72	6.71	1.41	7.71	59.47
1903.	4.09	4.77	4.42	4.01	1.28	11.66	5.80	5.15	4.93	6.96	1.17	4.06	58.30
1904.	3.78	2.81	3.82	3.36	2.38	2.49	5.53	8.81	5.37	4.84	2.49	2.06	47.74
1905.	4.65	1.79	3.96	2.57	0.42	3.08	5.03	9.37	6.97	3.24	2.68	2.68	46.44
1906.	2.90	2.33	3.96	4.34	5.01	4.57	5.98	4.12	2.33	4.94	1.65	4.26	46.39
1907.	3.94	2.68	2.72	3.22	4.53	3.57	4.33	2.79	7.88	4.27	5.94	4.75	50.62
1908.	4.28	5.78	3.63	3.24	7.20	1.68	5.16	5.85	2.14	4.34	1.12	3.57	47.99
M'ns	3.84	3.91	4.02	3.29	4.09	3.90	5.07	4.85	3.92	3.50	3.10	3.71	47.20

January, 1888, and June, 1892, estimated from surrounding stations. October, 1892, corrected from surrounding stations

FLEMINGTON, Hunterdon County. Elevation, 187 feet

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1887.	3.82	6.15	3.06	2.08	1.99	7.78	8.86	5.37	3.04	2.23	1.32	6.01	51.71
1888.	5.06	3.86	4.27	4.43	3.00	2.47	2.40	7.77	7.73	....	3.33	4.11	....
1889.	4.60	2.04	3.40	5.99	5.35	5.92	13.06	5.77	7.97	4.63	9.66	1.67	70.06
1890.	2.26	3.74	7.00	1.89	5.59	4.10	5.38	5.04	2.59	5.65	1.03	2.66	41.93
1891.	6.06	4.08	4.51	1.81	2.71	2.72	5.97	8.89	1.37	4.76	2.15	4.92	49.95
1892.	5.58	1.04	4.18	2.28	6.36	4.01	4.89	2.88	2.92	0.46	7.49	1.41	43.50
1893.	3.50	5.48	2.36	5.44	4.22	4.43	2.52	7.84	3.06	4.01	....	....	....
1894.	....	....	....	....	....	....	....	....	....	....	....	....	....
1895.	....	....	....	....	....	....	....	....	....	....	....	....	....
1896.	....	....	....	....	....	6.09	4.88	1.45	6.09	2.12	4.00	1.38	....
1897.	2.66	2.86	2.94	3.43	9.11	5.50	9.83	2.63	1.46	1.81	4.92	4.84	51.99
1898.	4.35	3.23	3.01	3.64	8.58	1.85	6.27	5.61	2.36	4.30	7.05	3.29	53.54
1899.	4.38	4.86	7.80	1.69	2.27	3.31	4.11	3.18	9.61	1.75	2.64	2.50	48.10
1900.	4.13	5.15	3.19	2.28	4.65	4.13	5.89	2.72	1.83	2.20	2.75	2.25	41.17
1901.	2.36	0.92	5.59	5.57	6.29	0.97	7.04	8.06	3.65	1.58	1.79	7.60	51.42
1902.	3.13	5.34	4.20	3.69	2.05	5.03	6.78	4.02	5.92	6.46	1.27	5.85	53.74
1903.	4.33	4.81	4.42	4.45	0.42	9.81	5.78	5.36	3.89	6.85	1.45	3.99	55.56
1904.	3.50	2.93	3.67	3.76	2.88	2.66	4.61	5.69	3.71	5.29	2.33	2.09	43.12
1905.	3.37	2.05	3.78	2.71	0.64	2.67	3.25	8.67	4.36	3.21	2.45	3.08	40.24
1906.	3.86	2.12	3.96	3.30	3.95	3.22	6.28	3.34	2.79	5.48	1.30	4.47	44.07
1907.	3.85	2.72	3.52	2.74	4.34	4.16	3.74	2.95	11.24	4.78	5.95	4.79	51.78
1908.	3.75	5.15	3.58	2.96	9.02	2.24	5.10	5.15	3.04	5.14	0.86	2.87	48.88
M'ns	3.92	3.61	4.13	3.39	4.39	4.16	5.83	5.12	4.43	3.83	3.35	3.67	49.83

The values from 1887 to 1893, inclusive, are for Locktown; and from June, 1896, to February, 1898, inclusive, for Sergeantsville, each about 6 miles from Flemington.

LAMBERTVILLE, Hunterdon County. Elevation, 95 feet

1887.	....	....	3.68	2.71	1.17	10.29	7.92	2.87	3.26	2.04	1.68	7.32	....
1888.	4.98	4.06	6.04	3.84	3.42	2.09	4.74	5.58	9.45	....	3.85	3.91	....
1889.	4.55	1.98	3.37	4.83	5.52	6.75	10.38	3.98	10.84	4.82	8.24	1.80	67.06
1890.	3.05	3.78	6.27	2.38	4.93	4.96	5.27	4.99	3.10	5.35	0.84	2.34	47.26
1891.	7.01	3.74	3.69	1.39	2.91	3.14	4.51	6.42	2.44	3.81	2.21	5.29	46.56
1892.	5.75	1.02	3.63	2.22	6.06	3.91	3.20	3.18	3.86	0.38	8.01	1.54	42.76
1893.	3.40	5.34	3.47	4.81	2.80	3.41	1.96	6.60	2.78	2.77	3.88	3.07	44.29
1894.	1.58	4.22	1.57	2.24	10.91	2.23	2.43	1.12	6.97	3.93	2.50	4.39	44.09
1895.	4.77	1.60	3.28	4.65	2.32	5.94	4.02	4.08	1.17	4.81	1.75	....	....
1896.	....	....	4.95	1.67	2.41	3.80	5.02	0.58	6.04	2.23	4.01	1.53	....
1897.	3.20	3.00	2.54	3.81	8.80	4.80	10.53	2.71	0.97	1.96	4.68	4.92	51.92
1898.	4.44	3.05	3.45	3.56	7.61	0.96	3.06	5.44	1.50	5.16	7.29	3.07	48.59
1899.	....	....	....	....	....	....	....	4.37	8.10	2.11	2.37	2.17	....
1900.	3.88	4.62	4.02	2.33	6.26	3.69	6.28	2.38	2.86	2.81	2.60	2.61	44.84
1901.	3.53	0.99	6.00	5.73	5.99	1.09	5.33	9.22	3.60	1.43	1.96	7.19	52.06
1902.	2.60	5.66	4.46	3.52	2.21	6.33	5.03	4.46	5.53	6.12	1.60	7.39	54.91
1903.	4.25	5.63	4.42	4.56	0.99	7.05	6.05	5.00	4.27	7.32	1.21	3.90	54.65
1904.	4.03	2.50	3.52	3.43	2.34	3.73	6.20	6.25	5.24	7.01	2.55	2.33	49.13
1905.	3.60	2.45	3.67	2.71	1.13	3.21	2.95	8.07	3.98	3.61	2.22	3.46	41.06
1906.	3.00	2.62	5.42	3.38	3.78	6.07	6.10	4.44	1.14	5.00	1.75	4.22	46.92
1907.	3.78	2.86	3.10	3.24	4.57	5.21	3.31	3.00	7.84	4.93	5.73	4.64	52.24
1908.	3.66	5.04	3.53	3.23	9.40	1.87	3.10	6.97	1.96	3.33	1.11	3.70	46.91
M'ns	3.95	3.38	4.00	3.34	4.55	4.31	5.11	4.65	4.40	3.85	3.27	3.85	48.66

NEW BRUNSWICK, Middlesex County. Elevation, 61 feet

1854.	2.00	4.82	1.16	9.22	4.12	3.65	3.63	1.48	2.67	1.70	3.21	2.39	40.05
1855.	3.05	2.51	1.80	2.21	3.54	4.83	3.17	2.48	2.06	3.84	2.48	5.81	37.78
1856.	3.73	0.79	3.01	3.76	3.24	1.83	1.92	6.03	4.71	0.90	2.98	3.17	36.07
1857.	3.48	1.18	0.97	6.24	5.10	3.71	4.20	6.16	3.35	3.91	*0.00	5.93	44.23
1858.	3.30	1.91	1.90	4.01	4.80	0.24	2.85	3.00	1.54	2.01	3.56	4.23	33.35
1859.	4.43	3.23	6.04	4.56	1.82	4.68	3.47	4.88	7.20	1.81	3.58	3.97	49.67
1860.	2.61	1.60	0.80	1.85	5.63	2.28	2.72	11.52	4.32	3.02	6.27	3.14	45.76
1861.	3.81	1.92	3.50	5.05	5.52	2.52	1.26	3.04	2.41	2.59	8.77	1.90	42.29
1862.	5.37	2.63	3.70	3.93	2.33	7.10	5.80	1.29	3.10	5.21	5.61	1.22	47.29
1863.	3.84	4.25	5.35	6.60	3.77	2.46	10.59	4.08	1.13	3.26	2.42	4.75	52.50
1864.	2.73	0.84	4.19	4.24	6.08	2.12	1.65	3.37	4.67	1.71	5.04	4.20	40.84
1865.	3.54	4.73	4.26	3.99	6.24	2.31	7.10	3.21	2.72	4.62	2.57	5.94	51.23
1866.	1.74	5.04	2.24	3.20	4.50	3.10	3.22	7.80	5.47	3.88	2.82	3.58	46.59
1867.	1.97	6.01	4.76	2.16	6.45	11.42	5.50	9.20	0.44	4.60	2.06	1.99	56.56
1868.	3.88	2.20	2.05	4.99	7.57	6.41	6.26	3.55	7.59	1.34	4.94	3.32	54.10
1869.	3.49	5.84	4.87	1.62	5.18	5.57	3.61	0.70	2.34	8.53	3.75	4.86	50.37
1870.	4.53	4.88	4.36	5.87	3.15	5.91	4.66	6.70	3.08	5.60	1.91	2.34	52.99
1871.	4.12	3.77	5.09	3.22	3.59	5.90	8.91	9.25	2.39	5.51	4.19	2.31	58.25
1872.	1.70	1.66	4.19	2.15	2.45	3.85	8.97	7.12	3.01	4.09	4.04	4.70	47.93
1873.	5.33	4.72	2.39	5.12	4.26	3.88	9.47	10.79	3.59	4.65	4.36	2.40	60.96
1874.	4.33	2.90	2.06	8.25	1.85	3.05	4.02	2.35	8.61	2.66	2.44	2.78	45.30
1875.	3.64	3.81	4.30	2.84	1.77	4.56	3.94	8.08	2.19	2.62	4.37	2.77	44.89
1876.	1.21	5.07	7.51	2.59	2.93	1.91	1.70	1.08	5.82	1.54	5.45	2.62	39.43
1877.	3.70	1.68	6.35	3.38	0.99	4.49	4.60	4.85	1.94	6.83	7.29	1.19	47.29
1878.	4.01	3.56	3.39	1.38	5.71	4.34	6.23	3.02	2.22	3.42	3.65	5.43	46.36
1879.	2.81	2.06	3.66	4.90	2.85	5.10	5.16	7.30	2.00	0.27	2.13	5.34	43.58
1880.	2.20	2.63	4.87	2.36	0.67	1.85	8.83	4.08	1.81	2.10	2.45	3.32	37.17
1881.	6.22	5.11	5.57	0.55	2.30	5.88	0.86	1.73	0.94	2.25	3.13	3.92	38.46
1882.	5.49	4.24	2.62	2.85	5.29	1.48	3.04	3.20	15.52	1.42	1.60	1.91	48.66
1883.	3.71	4.67	1.96	4.03	2.82	5.24	3.44	4.40	3.35	4.29	1.49	3.61	43.01
1884.	5.63	5.28	4.23	2.20	3.17	5.34	4.80	5.03	0.37	3.16	3.60	5.63	48.44
1885.	3.72	4.93	1.08	2.14	2.01	1.67	4.29	5.30	0.80	4.00	4.04	2.72	36.70
1886.	4.16	4.94	3.95	3.57	5.30	4.06	4.61	1.90	1.50	2.48	4.81	3.73	45.01
1887.	4.74	6.15	3.59	3.31	1.14	6.28	6.20	7.34	3.07	2.44	2.30	5.28	51.84
1888.	5.22	3.90	5.43	4.68	5.25	3.51	2.66	5.93	8.17	5.55	4.29	1.41	56.00
1889.	6.43	2.38	3.23	4.97	4.19	3.38	10.45	5.01	7.83	3.13	8.49	1.81	61.30
1890.	2.59	4.52	7.39	2.35	4.44	3.97	7.20	5.55	5.26	8.34	0.93	4.21	56.75
1891.	7.70	4.86	5.83	1.75	3.20	1.62	3.34	6.58	1.76	3.29	2.18	4.55	46.66
1892.	6.09	1.65	4.71	2.56	4.71	2.90	3.13	3.48	1.77	0.54	7.75	1.79	41.08
1893.	2.61	5.73	3.22	5.61	3.95	3.28	2.31	10.70	3.31	3.61	3.91	3.13	51.37
1894.	2.06	3.99	1.59	3.41	6.57	2.25	2.50	1.96	10.85	5.36	3.55	3.86	47.95
1895.	5.44	0.97	3.26	4.61	2.82	2.79	4.26	4.50	1.22	3.90	3.41	2.68	39.86
1896.	1.65	6.30	5.83	1.53	3.96	4.91	4.51	2.33	5.02	1.66	3.40	1.67	42.77
1897.	2.51	3.15	2.92	3.48	7.38	2.47	13.23	4.27	2.09	1.66	4.69	5.22	53.07
1898.	4.47	3.72	3.22	4.54	8.23	1.24	5.42	6.52	1.53	5.83	7.59	3.57	55.88

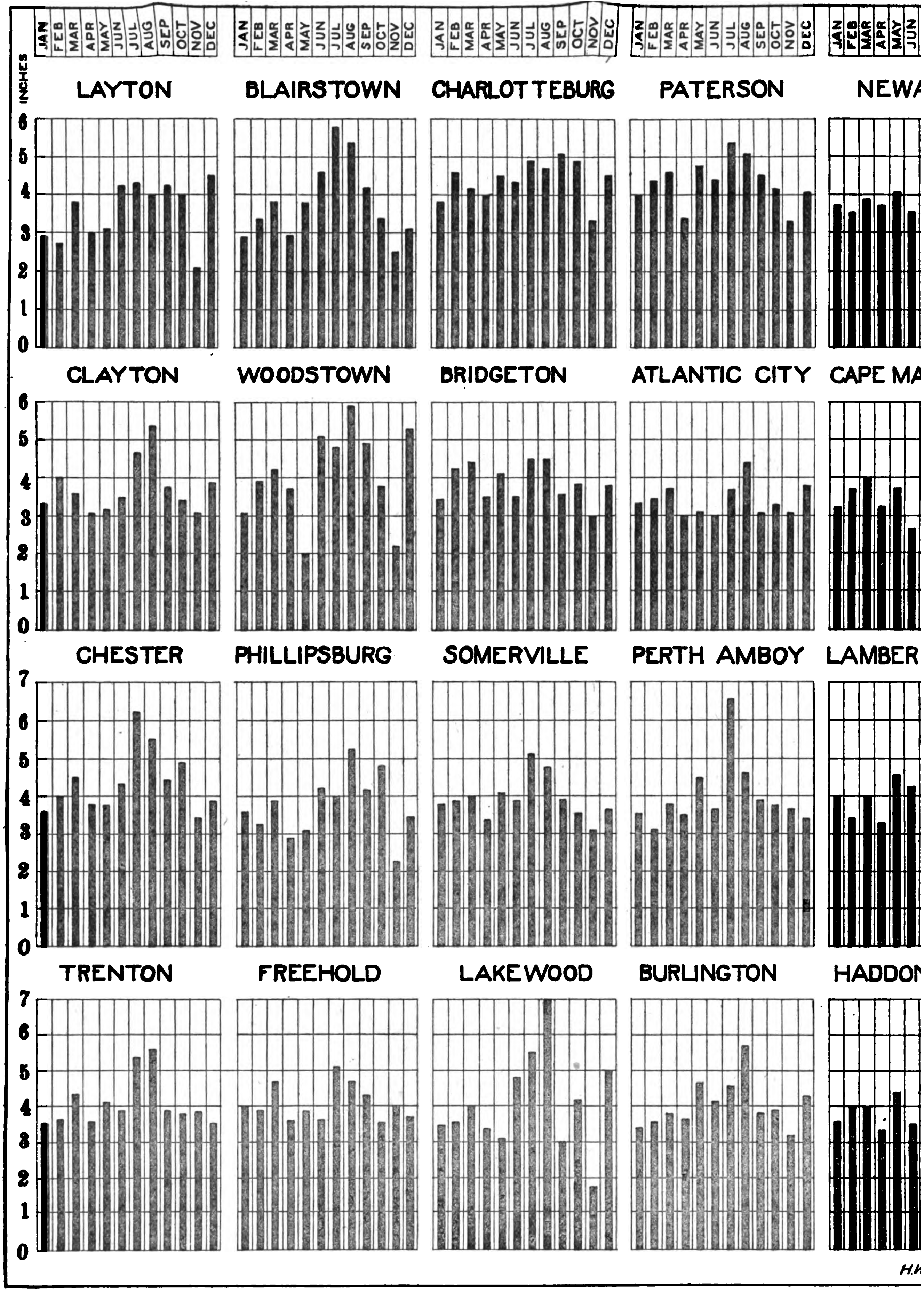


FIG. 1.—Diagrams showing the comparative monthly distribution of precipitation.

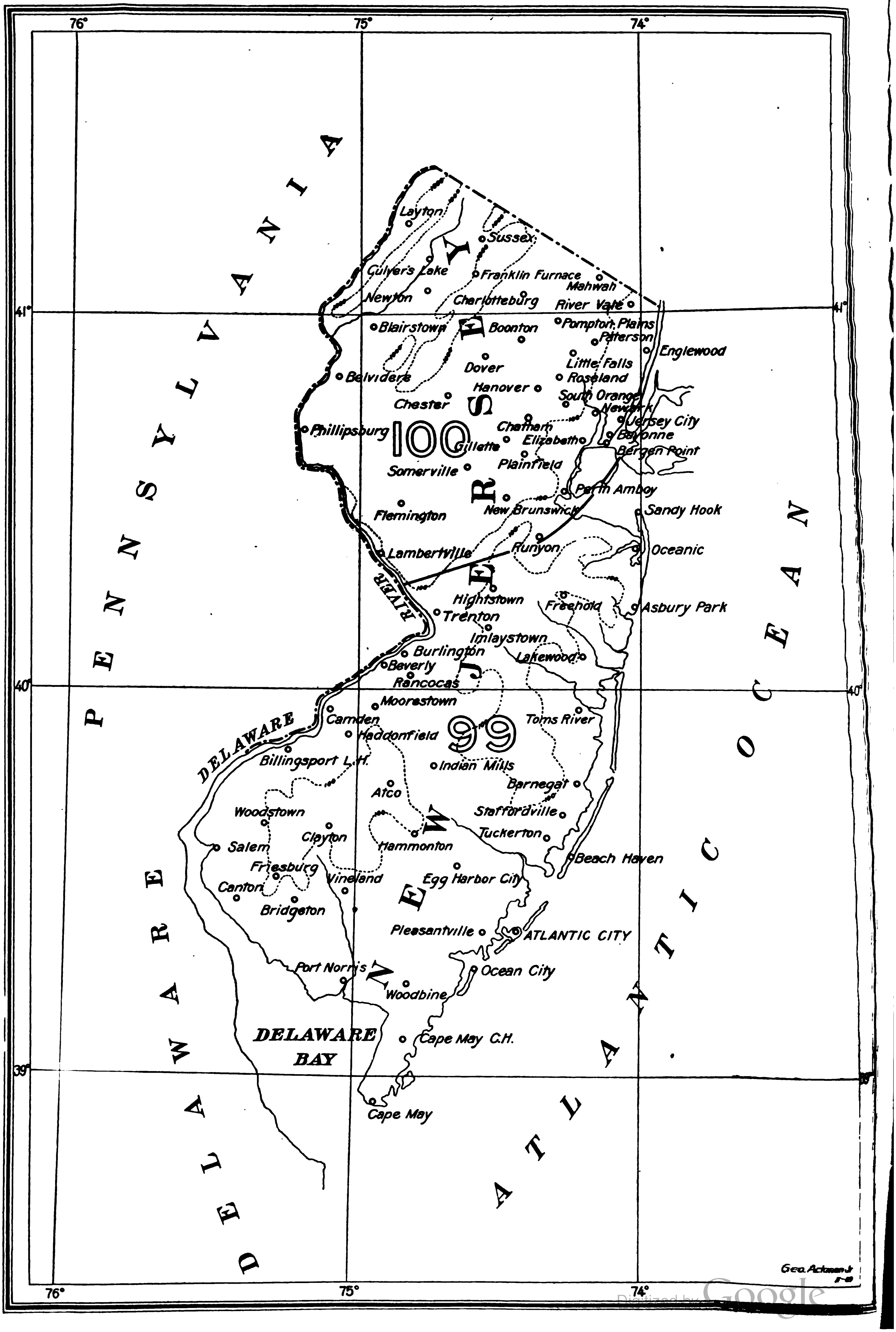


FIG. 2.—Chart showing the principal points of observation, the drainage basins, and the general elevation of New Jersey.

NEW BRUNSWICK, Middlesex County. Elevation, 61 feet—Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1899.	5.26	5.51	6.82	1.58	2.27	3.62	6.54	4.39	8.92	3.56	4.32	2.09	54.88
1900.	4.63	5.65	3.75	2.59	5.51	2.89	7.18	2.39	3.77	4.11	4.22	2.33	49.02
1901.	2.52	0.98	5.37	7.76	5.02	0.85	8.33	9.49	2.28	1.69	2.16	7.85	54.30
1902.	3.18	6.92	4.83	3.09	1.70	6.35	5.92	5.51	5.75	7.80	1.66	7.76	60.47
1903.	4.15	4.88	4.82	4.53	0.46	8.13	5.63	6.52	3.23	7.76	1.29	4.24	55.64
1904.	3.98	3.09	3.74	3.48	2.83	2.51	7.10	12.87	5.35	5.21	2.72	2.93	55.81
1905.	3.75	2.79	3.93	3.02	1.49	1.99	3.69	5.15	4.06	3.01	1.98	3.33	38.19
1906.	3.17	2.12	6.77	4.38	4.75	4.37	6.05	3.33	3.05	3.08	1.02	4.25	46.94
1907.	3.97	2.35	4.15	3.55	4.30	3.70	4.58	1.79	6.64	4.85	6.00	5.00	50.88
1908.	4.22	5.10	3.13	2.93	6.44	2.83	4.23	5.09	1.98	3.59	0.53	3.32	43.39
M'ns	3.82	3.67	3.92	3.72	3.96	3.79	5.07	5.07	3.86	3.63	3.64	3.69	47.84

Values for April and May, 1909, are for College Farm station, New Brunswick.
* Doubtful.

PERTH AMBOY [Ele., 61 feet] and RUNYON [Ele., 18 feet]. Middlesex County

1893.	....	....	....	....	....	....	....	....	....	5.26	4.32	1.77	....
1894.	2.04	2.99	....	....	4.26	....	....	....	....	5.32	3.96	5.02	....
1895.	5.62	0.40	2.45	4.07	2.75	3.74	5.11	3.75	0.65	4.08	3.16	2.68	....
1896.	1.58	....	....	....	....	6.68	4.00	2.82	5.07	1.96	2.98	1.80	....
1897.	1.98	2.38	2.72	3.28	5.25	3.32	16.16	5.45	2.15	1.52	5.14	5.07	54.42
1898.	4.39	4.01	3.73	....	....	....	....	6.65	1.53	5.54	8.26	3.32	....
1899.	4.67	4.87	6.67	1.45	1.94	3.73	5.76	4.14	8.19	2.55	3.49	1.90	49.36
1900.	4.23	4.97	3.43	2.09	4.94	4.11	6.97	2.10	3.26	3.54	4.54	2.01	46.19
1901.	2.40	1.02	4.61	7.59	5.76	1.08	8.41	10.13	5.46	2.06	1.80	6.77	57.09
1902.	....	....	....	....	....	....	....	4.23	4.88	7.75	1.68	....	....
1903–06	....	....	....	....	....	....	....	....	....	....	....	....	....
1907.	....	....	....	3.59	4.32	3.71	3.09	3.00	7.02	3.72	....	....	....
1908	4.46	4.00	3.36	2.03	7.17	2.74	3.41	4.48	1.20	2.05	1.01	3.47	39.38
M'ns	3.49	3.08	3.85	3.44	4.55	3.64	6.61	4.67	3.94	3.78	3.67	3.36	48.08

The record from 1893 to 1902, inclusive, is for Perth Amboy, about 10 miles northeast of Runyon.

Average number of days with .01 inch or more of precipitation

[Highlands and Kittatinny Valley Group]

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Yrs													
Layton	9	9	6	11	9	10	10	12	10	9	7	7	9	109
Sussex	14	8	7	11	9	11	10	12	10	8	8	8	7	109
Newton	19	8	8	10	9	11	10	10	9	7	7	7	8	104
Charlotteburg	16	9	8	11	8	10	9	10	8	7	7	8	8	103
Boonton	11	10	9	12	10	11	9	11	9	8	8	11	8	116
Dover	18	9	8	11	9	11	10	12	10	8	8	8	9	113
Belvidere	18	7	7	9	7	9	7	10	8	7	6	7	7	91

Average monthly and annual snowfall

Layton	9	12.9	12.3	6.8	0.7	.....	.....	.....	.....	.....	.....	3.3	11.0	47.0
Sussex	14	13.3	12.9	7.6	0.7	.....	.....	.....	.....	.....	.....	2.9	8.1	45.5
Newton	16	13.3	13.2	7.7	0.7	.....	.....	.....	.....	.....	.....	2.6	8.2	45.7
Charlotteburg	16	10.6	13.8	6.4	1.6	.....	.....	.....	.....	.....	.....	2.6	6.5	41.5
Dover	16	12.5	15.2	8.0	1.3	.....	.....	.....	.....	.....	.....	3.1	7.0	47.1
Belvidere	16	10.1	14.3	6.7	1.0	.....	.....	.....	.....	.....	.....	3.3	6.7	42.1

Mean temperature

Layton	9	23.8	21.9	35.7	45.9	57.7	65.4	70.9	68.2	62.8	50.0	38.0	28.4	47.4
Sussex	14	26.1	24.9	36.7	48.4	60.1	67.3	72.1	69.9	64.1	52.4	41.0	29.7	49.4
Newton	18	25.4	25.3	35.7	47.6	59.3	67.7	71.9	70.0	63.5	51.7	39.5	29.4	48.9
Charlotteburg	16	26.9	25.0	36.0	46.5	57.5	65.1	70.1	68.0	62.4	50.8	40.1	30.1	48.2
Dover	24	26.5	26.0	34.9	47.3	58.6	67.1	71.5	69.4	62.7	50.7	40.2	30.3	48.8
Belvidere	18	26.7	26.3	37.7	49.3	60.8	69.2	73.4	71.5	66.2	53.0	40.7	30.6	50.4
Phillipsburg	6	26.6	27.8	36.9	49.4	61.0	70.1	74.4	71.6	65.0	52.7	41.6	31.3	50.7

Highest temperatures

Layton	9	65	60	83	88	92	96	101	99	95	92	73	63	101
Sussex	14	67	61	86	91	94	96	100	98	97	89	73	69	100
Newton	18	66	60	84	88	98	101	100	99	94	90	72	63	101
Charlotteburg	16	57	62	82	90	94	96	99	97	95	88	74	61	99
Dover	24	64	60	83	92	99	100	102	100	99	89	76	62	102
Belvidere	18	68	64	87	95	100	99	102	99	98	93	74	67	102
Phillipsburg	6	67	66	85	88	93	97	98	97	91	88	71	60	98

Lowest temperatures

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Yrs													
Layton	9	—30	—22	—15	13	21	33	39	36	24	11	2	—15	—30
Sussex	14	—22	—17	— 9	17	27	37	42	40	29	20	9	—10	—22
Newton	18	—18	—13	— 5	16	24	36	40	34	31	21	8	— 4	—18
Charlotteburg	16	—20	—22	— 7	10	26	31	38	35	23	17	4	— 8	—22
Dover	24	—13	—10	— 4	14	28	37	43	40	28	19	8	— 6	—13
Belvidere	18	—15	—11	— 5	15	29	40	44	43	31	18	5	— 4	—15
Phillipsburg	6	—10	— 4	.....	22	30	40	48	46	32	24	9	......	—10

Prevailing wind direction

Stations	Length of record	January	February	March	April	May	June	July
	Yrs							
Layton	9	w.	nw.	nw.	n.	sw.	sw.	sw.
Sussex	14	w.	w.	w.	nw.	w.	w.	sw.
Newton	18	nw.	nw.	nw.	nw.	sw.	sw.	sw.
Boonton	10	nw.	w.	nw.	nw.	....	nw.	sw.
Phillipsburg	6	nw.	nw.	nw.	nw.	w.	w.	sw.

Stations	Length of record	August	September	October	November	December	Annual
	Yrs						
Layton	9	sw.	sw.	n.	w.	....	sw.
Sussex	14	sw.	w.	w.	w.	w.	w.
Newton	18	sw.	sw.	....	nw.	nw.	nw.
Boonton	10	sw.	w.	nw.	w.	w.	nw.
Phillipsburg	6	w.	sw.	w.	w.	w.	w.

Frost data

Stations.	Length of record	Average date of first killing frost in autumn	Average date of last killing frost in spring	Earliest date of killing frost in autumn	Latest date of killing frost in spring
	Yrs				
Layton	8	Oct. 1	May 14	....	May 30
Sussex	14	Oct. 6	May 2	Sept. 15	May 17
Newton	16	Oct. 11	May 2	Sept. 15	May 22
Charlotteburg	16	Sept. 28	May 8	Sept. 15	May 29
Dover	16	Oct. 9	May 5	Sept. 15	May 29
Belvidere	16	Oct. 11	May 3	Sept. 15	May 29

Average number of days with .01 inch or more of precipitation

(Red Sandstone Plain Group)

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Yrs													
Englewood	16	10	9	12	9	11	10	13	10	8	8	8	10	118
South Orange	21	9	9	10	8	10	9	11	9	7	8	8	9	107
Newark	16	12	9	13	11	12	10	12	10	8	9	9	11	126
Bayonne	16	12	10	15	11	13	11	14	11	10	10	11	11	139
Elizabeth	16	10	9	12	10	11	9	11	9	8	8	8	10	115
Somerville	16	11	9	13	10	11	10	12	11	9	8	9	10	123
Flemington	13	10	9	13	10	12	10	13	11	9	9	9	10	125
New Brunswick	20	11	11	13	10	12	11	12	11	9	9	10	9	128
Lambertville	18	10	9	10	9	11	10	11	11	8	7	8	9	113

Average snowfall, unmelted (inches and tenths)

River Vale	16	13.6	17.2	9.1	1.9	.....	......	......	......	......	......	3.4	9.3	54.5
Paterson	16	11.4	14.8	7.7	1.6	......	......	......	......	......	......	2.5	7.0	45.0
Englewood	16	8.4	15.0	6.6	1.7	......	......	......	......	......	......	2.3	6.5	40.5
South Orange	16	11.1	14.5	6.5	1.3	......	......	......	......	......	......	2.2	6.0	41.6
Bayonne	16	10.2	12.6	6.0	1.1	......	......	......	......	......	....	2.0	5.4	37.3
Plainfield	17	9.2	12.4	6.6	0.7	......	......	......	......	......	......	2.0	5.4	36.3
Somerville	16	8.8	11.2	6.2	0.4	......	......	......	......	......	......	2.2	4.6	33.4
New Brunswick	16	9.0	11.0	6.5	0.9	......	......	......	......	......	......	1.9	5.3	34.6
Lambertville	16	9.5	12.0	6.2	0.6	......	......	......	......	......	......	2.2	5.9	36.4

Mean temperature

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Yrs													
River Vale	17	27.9	26.1	37.5	47.5	58.9	67.3	72.4	70.2	63.5	52.3	41.0	30.5	49.5
Paterson	32	29.2	30.1	38.4	50.3	61.3	70.0	74.3	72.1	66.3	54.3	43.2	33.0	51.9
South Orange	39	28.6	28.9	36.6	48.2	60.0	67.8	73.1	71.0	64.1	52.9	41.5	32.1	50.4
Bayonne	18	29.7	29.0	39.2	49.7	60.9	69.7	74.9	73.7	67.9	55.7	43.7	33.8	52.3
Elizabeth	33	29.9	30.3	38.2	50.7	62.2	71.0	75.5	73.6	67.0	54.7	43.4	33.5	52.5
Plainfield	18	28.7	28.5	38.6	49.4	60.7	69.3	74.5	72.8	65.8	54.0	42.0	32.4	51.4
Somerville	29	28.2	28.4	37.7	49.0	60.8	69.6	74.2	72.7	66.4	53.7	42.4	32.4	51.3
New Brunswick	55	30.4	31.2	38.1	49.7	60.6	69.6	74.3	72.5	66.0	54.7	43.6	33.2	52 0
Lambertville	22	30.1	30.0	38.8	50.3	61.7	70.2	74.5	72.6	66.1	53.5	42.8	33.5	52.0

Highest temperature

River Vale	17	67	65	80	93	95	98	105	99	99	92	73	66	105
Paterson	18	67	66	82	98	102	102	102	100	98	90	79	68	102
South Orange	24	67	70	77	91	94	100	102	95	97	85	76	68	102
Bayonne	18	67	67	78	93	98	102	104	99	100	91	74	67	104
Elizabeth	18	67	66	83	96	98	103	105	99	100	89	75	64	105
Plainfield	18	70	67	82	96	97	100	105	98	102	88	74	68	105
Somerville	18	66	68	81	95	99	102	107	102	109	95	74	67	109
New Brunswick	52	69	70	83	95	99	102	106	101	103	91	76	69	106
Lambertville	22	70	68	87	94	97	101	103	100	96	88	78	68	103

Lowest temperature

River Vale	17	−34	−21	−11	13	25	34	42	39	27	18	7	−15	−34
Paterson	18	−14	− 4	4	22	31	42	51	47	34	25	12	3	−14
South Orange	24	−13	− 9	4	22	32	41	49	47	33	25	11	− 5	−13
Bayonne	18	−14	− 4	9	22	33	44	50	48	37	26	12	3	−14
Elizabeth	18	−16	−10	6	20	33	43	49	47	32	25	10	1	−16
Plainfield	18	−13	− 9	2	15	30	39	46	45	31	22	12	− 1	−13
Somerville	18	−20	−12	− 4	15	26	37	45	43	29	20	7	−14	−20
New Brunswick	52	−15	−10	2	17	28	38	45	44	34	24	10	− 4	−15
Lambertville	22	−13	−10	− 3	19	28	40	48	45	32	24	11	− 3	−13

Prevailing wind direction

Stations	Length of record	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	Yrs													
Paterson	18	nw.	nw	nw	nw	sw.	sw.	sw.	sw	sw	nw	nw	nw	nw
Englewood	18	nw.	nw	nw	nw	sw.	sw.	sw.	sw	nw	nw	nw	nw	nw
South Orange	16	nw.	nw	nw	nw	w.	w.	sw.	w	w	ne.	w	w	w
Newark	19	nw.	nw	w	nw	sw.	sw.	sw.	sw	sw	nw	nw	....	nw
Bayonne	18	nw.	nw	nw	nw	se.	se.	w.	se.	se.	nw	nw	nw	nw
Plainfield	17	nw.	nw	nw	nw	sw.	sw.	sw.	sw	sw	nw	nw	....	nw
Flemington	14	nw.	nw	nw	nw	sw.	w.	sw.	sw	sw	nw	w	nw	nw
Lambertville	18	nw.	nw	nw	nw	w,	sw.	sw.	sw	sw	nw	nw	nw	nw

Frost data

Stations.	Length of record	Average date of first killing frost in autumn	Average date of last killing frost in spring	Earliest date of killing frost in autumn	Latest date of killing frost in spring
	Yrs				
River Vale	16	Oct. 4	May 8	Sept. 16	May 29
Paterson	16	Oct. 19	Apr. 21	Sept. 22	May 17
South Orange	16	Oct. 20	Apr. 17	Sept. 22	May 12
Bayonne	16	Oct. 19	Apr. 16	Sept. 23	May 12
Plainfield	16	Oct. 10	*Apr. 18	Sept. 22	May 12
Somerville	16	Oct. 10	*Apr. 18	Sept. 22	May 29
New Brunswick	16	Oct. 16	Apr. 16	Sept. 22	May 12
Lambertville	16	Oct. 16	Apr. 22	Sept. 22	May 12

* Partly estimated

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, Prof. Frank H. Bigelow, in Charge.

SECTION 101—WESTERN NEW YORK.

INTRODUCTORY REMARKS.

The collection of climatological data has been in progress in this country for about 100 years. Much of the great mass of material gathered during this long period is scattered through various publications, difficult of access to the general student.

The extension of forest reservations, irrigation projects, inland waterways, and the interest in the conservation of water-power resources have brought about an unusual demand for climatological data, especially that relating to precipitation, upon which any serious study of these problems must be based.

To meet this demand the Chief of the Weather Bureau has undertaken to bring together in convenient shape for study all available information and publish it in the form of bulletins. For this purpose the United States has been divided into Sections with special reference to the natural drainage areas with a view to the treatment of the climatology of each section in a separate bulletin.

The data for New York State will be published in four bulletins and numbered 101, 102, 103, and 104 to conform to the general scheme adopted for the whole country.

SECTION NO. 101.

Climatological Section No. 101, which forms the subject of this bulletin, includes that part of New York that lies west of a line drawn south along the east boundary of Monroe County bordering on Lake Ontario to the Pennsylvania line. Its area is approximately 9,000 square miles.

The surface is somewhat varied, being generally level, except where cut by streams, for a considerable distance southward from Lake Ontario, but gradually increasing in elevation from the level of the lake, 249 feet above mean tide, to about 1,600 feet about the headwaters of the Allegheny River in the central part of Cattaraugus County. Here the surface becomes rough and broken by ridges, the summits of which in some instances attain elevations of from 2,000 to 2,500 feet above sea level. The surface along the western border rises abruptly to a height of from 300 to somewhat over 700 feet above Lake Erie and is more or less broken and cut by deep depressions, formed by the numerous streams flowing into the lake. Chautauqua Lake, about 8 miles distant from Lake Erie, has an elevation of 1,297 feet above sea level, which is about 725 feet above Lake Erie.

A narrow strip along Lake Erie and nearly all of the northwestern part of this section is drained by comparatively small streams that flow northward and empty into Lake Erie, Niagara River, and Lake Ontario.

The most important drainage area is that of the Genesee River, which takes its rise in the highlands of Potter County, Pa., a few miles south of the New York boundary, where the elevation is about 2,500 feet above sea level. It enters New York State near the southeast corner of Allegany County and flows northwesterly to Caneadea in the northwestern part of the same county; from thence it takes a northeasterly course, emptying into Lake Ontario a short distance north of Rochester. From Portage to Mount Morris, a distance of about 20 miles, the river flows through a deep and in some places narrow canyon, at the head of which are the Portage Falls, having a total descent, including the rapids, of about 330 feet. The Upper Falls have a descent of about 70 feet, including the rapids. Half a mile below are the Middle Falls with a descent of 110 feet, while about 2 miles below begin the Lower Falls with a descent, including the rapids, of about 150 feet. From Mount Morris to near Rochester the river flows through a broad, level, alluvial valley from 1 to 2 miles wide. At Rochester there is an abrupt descent over three falls, aggregating about 260 feet within the city. The upper falls at Rochester are cataracts in the Niagara limestone, while at the lower falls the Medina sandstone appears. The Genesee River has a somewhat remarkable series of lake tributaries which serve as natural reservoirs. Hemlock Lake is the largest, having a water surface of 2.8 square miles and a drainage area of 46.8 square miles. Honeoye Lake is next in size with a water surface of 2.5 square miles and a drainage area of 39.6 square miles, while Canadice Lake is much smaller, having a water surface of less than 1 square mile and a drainage area of about 12.6 square miles.

The total catchment area of the Genesee River is about 2,446 square miles.

The following table, showing the discharge at Mount Morris for 9 years, 1890 to 1898, is taken from "Hydrology of New York State" by George W. Rafter:

MONTHLY DISCHARGE OF GENESEE RIVER AT MOUNT MORRIS FOR THE YEARS 1890 TO 1898, INCLUSIVE—DRAINAGE AREA 1,070 SQUARE MILES.

Discharge in second feet.

Month.	Maximum.	Minimum.	Mean.	Per square mile.	Depth in inches or drainage area.
January	2,393	436	1,225	1.14	1.30
February	3,474	224	1,394	1.30	1.53
March	3,074	1,803	2,411	2.25	2.62
April	3,245	1,256	2,125	2.08	2.19
May	4,108	157	1.559	1.46	1.57
June	1.794	128	739	0.69	0.82
July	1,912	105	625	0.58	0.53
August	1,327	115	423	0.40	0.47
September	1,274	100	446	0.42	0.47
October	2,084	104	673	0.63	0.72
November	2,007	386	796	0.74	0.84
December	2,170	568	1,097	1.03	1.13
For the period	4,108	100	1,126	1.06	1.18

NOTE.—Runoff data, depth in inches on drainage area, January to August, 1893, inclusive, are missing.

The Allegheny River, which drains the southwestern part of New York, enters the state from Pennsylvania near the southwestern corner of Cattaraugus County. It rises in McKean and Potter counties, Pennsylvania, and flows northerly to Salamanca, thence southwest, crossing the Pennsylvania line near the west boundary of Cattaraugus County.

The drainage basin of the Allegheny River above Red House is rugged and precipitous and mostly covered with brush and light forests. The drainage area of this river in New York is about 2,100 square miles. The southeastern part of this section is drained by the headwaters of the Canisteo and Chocton rivers, which unite to form the Chemung, which in turn flows into the Susquehanna at Elmira, N. Y.

The Niagara River forms a part of the boundary between New

York and the Dominion of Canada, and while one of the noted rivers of the world, drains only a small part of the State of New York. The difference in elevation between Lake Erie and Lake Ontario is approximately 325 feet, of which about 160 feet are at Niagara Falls. The principal tributary to the Niagara River in New York is the Tonawanda creek. The total catchment of the Niagara River above the falls is given as 265,095 square miles.

HISTORY OF CLIMATOLOGICAL WORK IN NEW YORK.

New York State was particularly fortunate in having at the head of its educational system men who, early in the 19th century, recognized the importance of systematic climatological observations.

On March 1, 1825, the Board of Regents of the University of the State of New York passed a resolution, directing that academies incorporated by the Board should be furnished with a thermometer and rain gage, and later that participation in the Literature Fund, which was under the control of the Board, should be contingent upon the maintenance of a series of climatological observations in conformity with the rules adopted by a committee appointed by the Regents. This committee consisted of Vice Chancellor Simeon DeWitt, Garrett Y. Lansing, and John Craig.

More than 50 academies entered into this arrangement, and the data thus secured were published from time to time in the annual reports of the Board.

It is worthy of note that this was the first important attempt made in this country toward an investigation of local climatological conditions. This system was continued until the close of 1848, a period of about 24 years, when a reorganization was effected with much better equipment and larger financial support, to conform to the more extensive and homogeneous system formulated by Prof. Jos. Henry, Secretary of the Smithsonian Institution at Washington, and designed to embrace the largest possible field of observation, both in the United States and adjacent countries. The New York State Legislature continued to make liberal appropriations for the support of the part in this scheme assigned to New York until 1863, when the prosecution of the Civil War became of such absorbing importance that this work, with other public enterprises of a scientific nature, were sacrificed to the larger needs of the nation. The observations were, however, continued at military posts that had been interested in the work by Prof. Henry as well as by some private individuals, the regular monthly reports of observations being made direct to the Smithsonian Institution at Washington.

The organization of the National Weather Service by act of Congress in 1870, which placed all work of this character in the hands of the Signal Corps of the United States Army, resulted in the establishment of five regular observing stations in New York State, which number, under the later administration of the U. S. Weather Bureau of the Department of Agriculture, was increased to nine.

Under the administration of General Hazen, Chief Signal Officer, U. S. A., and head of the National Service, effort was made to stimulate the interest of the various States in the more detailed study of local climate than was possible for the National Meteorological Service to undertake at that time.

Under the encouragement and cooperation thus afforded, during the 10 years ending with 1890, thirty-two states, including the six New England States, which were represented by the New England Meteorological Association, organized what were known as State Weather Services, supported wholly or in part by State funds.

The New York State Weather Service, or Bureau, as it was designated, was created by act of Legislature in 1889, with Andrew S. Draper, Superintendent of Public Instruction; E. A. Fuertes, Professor of Civil Engineering at Cornell University, and Simeon Smith, Treasurer for the city of Ithaca, as Commissioners.

Later Prof. Fuertes was made Director and under his administration, with the able assistance of Mr. Eben T. Turner as Meteorologist, the service was rapidly developed and observing stations established in all parts of the State.

A most excellent report on the Climate of New York, by Mr. Turner, appears in the Fifth and Eight Annual reports of the Director. The New York service was finally merged with the Climatological Service of the United States Weather Bureau in 1899, under whose direction the work has been carried on up to the present time. It was fortunate that the general scheme at the outset was so well considered and so thoroughly adhered to that few changes in the method of making and recording the observations were made necessary by the advancement of the science during all these years; and although many different instruments were used and many individuals participated in the work, the results for the whole period of 84 years are in all essentials homogeneous and comparable.

THERMOMETERS IN USE.

The thermometers used by the early observers were mostly made by Mr. Kendall of New Lebanon, N. Y., but in later years were gradually replaced by those of other makers. The Fahrenheit scale was, however, used throughout the series.

While no standard shelters for the exposure of the thermometers were generally provided until about 1899, the rules adopted for the guidance of the early observers tended to eliminate, as far as possible, the effect of radiation of heat from adjacent objects and the influence of direct or reflected rays from the sun.

Three observations of the temperature were made each day, the first being just before sunrise, the second at 3 p. m., and the third just after sunset.

RAIN GAGES.

There were five types of rain gages used in this series, viz: the Regents gage (1825-1833); the DeWitt (1834-1848); the Smithsonian (1849-1889); the Fuertes (1890-1899); U. S. Weather Bureau Standard (1900 to date). It is not to be understood that all gages at individual stations were changed when a new type of gage was adopted, but that the change from one type to another was made gradually as the gages at individual stations became unserviceable.

The rain gage first supplied to academies, which has been designated as the Regents gage, consisted of an inverted cone, attached to a cylindrical vessel one-eighth of its sectional area, at the bottom of which was a hollow floating bulb; from this float a thin graduated rod passed up through a bar placed across the mouth of the funnel. The rainfall was indicated by the height to which the upright rod arose. After noting the reading on the rod the water was drawn off below and the instrument was ready for a new observation.

Observers were directed to place the gage at a distance from all structures at least equal to the height of the structure and farther if convenient. In freezing weather a tin vessel with the aperture exactly equal to that of the gage was substituted and the snow or sleet thus obtained was melted, poured into the rain gage and measured.

In 1833 the Regents adopted the conical rain gage, known as the DeWitt, after the inventor, Simeon DeWitt. This instrument was of very simple construction, consisting of an inverted cone, into which a conical cap was loosely fitted, that, while it allowed the rain as it fell upon it to pass down, was intended to prevent any loss by evaporation. A thin rod or measuring stick was used in obtaining the depth of the water in the cone and so graduated as to show the proper reading. This gage was considered a great improvement over the one previously used on account of the accuracy with which small amounts of precipitation could be measured. The most important defect in the DeWitt gage was the fact that it was so small that it was necessary in times of heavy rains to take several observations and as no provision for overflow was made, a serious loss of record occasionally occurred.

The Smithsonian gage came into general use soon after the reorganization in 1849 and gradually replaced the conical gage. It was an improvement over the DeWitt gage and possessed the advantage of having sufficient capacity to obviate the necessity of more than a single observation for any ordinary rainfall.

This gage was used until 1890, when it was replaced by the gage designed by Prof. Fuertes, Director of the New York State Service. This gage was constructed on the same lines as the gage in use by the U. S. Weather Bureau, except that the parts were reduced to correspond to a 3-inch receiving funnel, whereas the receiving funnel of the standard gage is 8 inches in diameter.

When the State Service was merged with the National Service the standard U. S. Weather Bureau gage was adopted and its use has been continued up to the present time.

RAIN GAGES COMPARED.

In connection with the use of these different types of gages, it is proper to inquire how far the results obtained are comparable and what, if any, of the discrepancies in the records are due to defective construction in the gages themselves.

In order to answer this question this office, at the request of the State Water Supply Commission, undertook a series of comparative observations, using the types of gages above mentioned. These observations have been carried on during two seasons, but the data obtained are not considered sufficient to warrant a positive statement as to the relative merits of the different types of gages. A preliminary study of the data seems to indicate that the gage used between 1833 and 1849, known as the DeWitt gage, while probably accomplishing the results claimed for it so far as evaporation is concerned, was deficient in other ways. It is believed that the cone-shaped cover, that was placed within the gage to prevent evaporation, caused air currents and spattering that resulted in considerable error, especially during high winds. The results of the comparative readings indicate that the values obtained from this type of gage are about 4 per cent below those of the standard gage now in use.

The Smithsonian and Fuertes gages, in general use from 1849 to 1895, appear to give results about 3 per cent greater than those obtained by the standard Weather Bureau gage.

It has not been possible to ascertain when and for what period the different gages were in use at individual stations, and for that reason an attempt to apply a correction to the records is not considered advisable. Taking the series, as a whole, it would seem that the errors arising from the use of the different types of gages tend, in a large measure, to counterbalance each other and that the record, as a whole, may be taken as fairly representing the true conditions.

SNOWFALL MEASUREMENTS.

The most serious error in the records is undoubtedly in connection with the measurements of precipitation in the form of snow. This has always been a difficult problem and even under the most approved methods, when high winds prevail and there is much drifting, there is a considerable error. A study of the earlier records for the winter months indicate that, as a rule, the amounts recorded from snow were probably somewhat less than the true readings.

PREPARATION OF TABLES.

The tables published herewith present in compact form the monthly and annual precipitation for all stations having a continuous record of five years or more, and reference is made to shorter or fragmentary records that are available but not published.

In the preparation of these tables examination has been made of all original records of observations on file at the Central Office of the Weather Bureau at Washington and also at the Section Center at Ithaca. Many of the originals, made by the earlier observers, are not now available, and to complete the series it was found necessary to rely upon compilations made by Mr. Franklin B. Hough from the records previous to 1863 and later by the U. S. Patent Office and the Smithsonian Institution. While it is not to be presumed that the tables as presented are entirely free from error, it is believed that no serious discrepancies appear and that the values given are the best obtainable at the present time.

CLIMATOLOGY OF SECTION.

The climate of the greater part of this Section is largely influenced by the proximity of Lake Ontario, which borders it on the north, and Lake Erie, which forms a part of the boundary line on the west.

Lake Erie, lying directly in the path of the prevailing westerly winds, produces an important effect upon the temperature, especially over the land that slopes toward the west.

The Chautauqua County "Grape Belt," which extends along the southern shore of Lake Erie for a distance of about 60 miles and is from 2 to 6 miles wide, has the most temperate climate in the State, except the region along the Atlantic coast. This is directly due to the tempering influence of the lake, which holds vegetation in check in the spring until danger from frost is over, gives long, mild autumns with unusually late fall frosts and winters much less severe than elsewhere in this Section.

The tempering influence of the lake is noticeable for a distance of about 30 miles inland.

The effect of Lake Ontario in modifying the conditions along the northern border, while not so marked as that of Lake Erie, is important, especially when cold waves attended by low temperatures sweep down from the Canadian Provinces, the difference in temperature between the northern and southern sides of the lake amounting frequently to 20° or more.

TEMPERATURE.

The average temperature for the Section is 46.2° and ranges from about 44.6° in Steuben and Allegany counties and the eastern part of Cattaraugus County to 47.2° in Chautauqua County, a short distance to the west, but directly under the influence of Lake Erie. The average temperature along the northern border, where the conditions are effected by the proximity of Lake Ontario, is very close to 47°.

The highest temperatures are, as a rule, attained in the interior, where the climate is but little influenced by the lakes; but even here the temperature does not reach 100° except at long intervals.

At Middlebury a temperature of 100° was recorded once in 18 years and at Avon 102° occurred once in a period of 13 years.

Temperatures of 90° or above usually occur quite generally in the Section during June, July, August, and September, and like readings have occasionally been observed as early in the season as April and May.

The lowest temperatures also occur at interior stations, where the influence of the lakes is weak, and frequently reach 20° to 30° below zero during the coldest months. The lowest temperatures are usually recorded in January, although readings of zero or below have been observed from November to March, inclusive.

PRECIPITATION.

The annual precipitation for the various parts of the Section varies considerably, being greatest over the counties bordering on Pennsylvania and least along Lake Ontario.

Over Cattaraugus County, the southern part of Erie, and the southwestern part of Wyoming counties the annual precipitation averages from about 40 to 44 inches. At Cherry Creek, in the western part of Chautauqua County, the average for ten years, 1891 to 1900, was 51.20 inches. The annual amount becomes gradually less from the Pennsylvania line northward to the counties bordering on Lake Ontario, where the average is about 30 inches. During the summer months, June, July, and August, the average precipitation is somewhat greater than for the remaining seasons, but with this exception the distribution of precipitation throughout the year is remarkably uniform.

The snowfall in this section is quite heavy, averaging about 62 inches annually.

FROSTS.

The average date of the last killing frost in spring ranges from April 26th at Buffalo to May 26th at Franklinville, which is located in the elevated part of Allegany County, and the first in the fall from September 20th at South Canisteo to October 19th at Rochester. Killing frosts have occurred in the more elevated parts of the interior as late in the spring as June 12th and as early in the fall as August 19th.

MISCELLANEOUS.

The average number of rainy days (days on which .01 inch or more precipitation is recorded) for the section as a whole is 140. At Rochester the average annual number of rainy days is 178 and at Buffalo 170, for a period of thirty-three years. While the records made at most interior points are not considered strictly comparable with those made at regular Weather Bureau stations, they clearly indicate that the number of rainy days decreases rapidly with the distance from the lakes.

Records of sunshine are lacking except at regular Weather Bureau stations at Buffalo and Rochester, the average annual amount at the former being 47 per cent of the possible and at the latter 49 per cent.—WILFORD M. WILSON, *Section Director, Ithaca, N. Y.*

List of short or fragmentary records not published, but available on application to Local Office, Ithaca, N. Y.:

SECTION NO. 101 ARRANGED BY COUNTIES.

County and station.	Length and character of record.
Allegany County:	
Canaserago	April to Dec., 1892; good.
Cuba	Summary, 1840-41; good.
Wellsville	1857-8; good.
Cattaraugus County:	
Allegany	Jan., 1907, to date; good.
Otto	Nov., 1902, to date; fair.
Great Valley	1859.
Chautauqua County:	
Arkright	Sept., 1890, to Dec., 1898; good.
Dunkirk	Sept., 1890, to Aug., 1894; fragmentary.
Nashville	April and May, 1894.
Ripley	Jan., 1904, to Feb., 1906; good.
Sherman	Dec., 1889, to Aug., 1892; good.
Erie County:	
Buffalo Forks	Summary, 1841 to 1845 and 1856 to 1859; good.
Alden	Dec., 1897, to Feb., 1905; good.
Eden	June, 1889, to March, 1895; good.
Springville	Summary, 1834-5.
Wales	1854.
West Concord	1856-7.
Genesee County:	
Alabama	May, 1890, to July, 1891; good.
Livingston County:	
Dansville	1850.
Monroe County:	
Charlotte	March and April, 1895; good.
Henrietta	Summary, 1835-6.
Spencerport	Oct., 1889, to Jan., 1890; good.
Niagara County:	
Mayle	March, 1900, to Feb., 1902; good.
Newfane	June, 1889, to , Sept., 1889; good.
Pendleton	Dec., 1889, to March, 1891; good.
Somerset	June, 1889, to Aug., 1889; good.
Suspension Bridge	1867 to 1871; fragmentary.
Youngstown	1892 to date (included in Ft. Niagara).
Wilson	Nov. and Dec., 1859; good.
Steuben County:	
Bloods Depot	Oct., 1890, to Feb., 1891; good.
Wyoming County:	
Varysburg	1893 to 1896; good.
Hermitage	Summary, 1860 to 1864.

Precipitation in Western New York. Monthly, annual, and average amounts (in inches and hundredths).

LAKE ERIE GROUP.

Figures in boldface type are estimated.

VOLUSIA, CHAUTAUQUA COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899..	....	....	....	....	5.07	2.57	4.95	2.18	8.27	2.45	1.95	....	....
1900..	3.08	3.93	3.27	1.65	2.44	1.46	5.21	1.54	4.46	3.40	7.02	3.25	40.71
1901..	3.41	1.74	3.43	6.20	4.29	4.06	2.01	3.32	6.31	2.35	5.50	4.48	47.10
1902..	2.79	3.17	1.81	2.04	3.56	5.63	8.94	0.79	4.89	4.01	0.78	3.33	41.74
1903..	3.18	2.66	2.51	3.10	1.47	6.05	4.50	5.18	3.33	3.46	5.54	3.93	43.91
1904..	5.71	3.99	3.87	2.96	3.23	1.16	4.07	2.62	1.92	4.03	1.07	2.42	37.05
1905..	2.64	1.49	1.38	1.40	2.60	5.98	3.83	5.35	2.31	4.35	5.02	1.81	38.16
1906..	1.11	0.71	3.01	2.19	3.01	1.27	2.69	3.02	2.25	7.59	2.91	3.16	32.92
1907..	4.60	1.01	1.61	2.09	3.79	3.64	2.27	0.86	4.30	5.70	3.80	4.55	38.22
1908..	2.76	2.40	2.10	2.33	4.18	2.38	1.24	1.62	1.03	1.05	1.66	2.33	25.08
1909..	1.83	4.94	2.33	4.32	4.39	4.65	2.61	4.28	5.91	2.89	2.56	3.63	44.34
Mean	3.11	2.60	2.53	2.83	3.46	3.53	3.85	2.80	4.09	3.75	3.44	3.29	39.28

WESTFIELD, CHAUTAUQUA COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	2.00	4.65	2.58	1.22	1.94	2.90	3.07	4.05	4.73	1.40	4.81	1.36	34.71
1897..	1.93	1.59	1.84	2.99	3.48	1.80	8.21	3.64	0.58	1.72	4.60	2.71	35.09
1898..	2.56	2.60	2.78	2.74	4.19	6.17	2.68	2.46	2.46	4.31	2.85	3.29	39.09
1899..	1.23	1.35	2.98	1.01	4.30	2.42	2.80	1.18	7.02	2.61	1.59	3.26	31.75
1900..	3.60	3.16	1.43	0.64	2.44	2.03	5.75	1.39	2.61	3.29	6.22	1.70	34.26
1901..	2.10	0.92	1.86	4.83	4.15	6.30	2.51	3.44	4.51	1.71	4.40	4.64	41.37
1902..	1.95	1.44	1.48	2.93	5.42	4.41	8.52	1.26	4.33	3.10	1.62	2.83	39.29
1903..	1.27	3.33	3.11	3.09	1.61	4.91	5.85	4.95	2.30	2.73	3.95	2.82	40.32
1904..	4.51	3.03	3.58	2.30	3.89	1.05	3.23	2.54	1.99	3.91	0.71	1.98	32.72
1905..	2.59	2.15	2.13	2.31	4.01	6.25	4.94	6.17	3.27	7.00	5.22	2.80	48.84
1906..	1.65	1.52	3.12	2.15	2.98	2.02	2.68	2.58	2.48	8.64	3.63	2.68	36.13
1907..	5.07	1.00	2.68	2.12	5.08	4.04	2.98	1.40	4.35	6.85	2.63	3.80	42.00
1908..	2.73	2.43	3.22	3.69	5.54	3.18	2.06	2.50	0.60	1.35	2.19	1.90	31.39
1909..	4.02	3.72	2.81	4.56	4.43	1.84	2.85	4.84	5.70	2.80	2.81	3.46	43.84
Mean	2.66	2.35	2.54	2.61	3.82	3.52	4.15	3.03	3.38	3.67	3.37	2.80	37.90

FREDONIA, CHAUTAUQUA COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1830..	1.77	0.70	0.89	2.03	4.14	5.48	3.19	1.47	3.75	2.05	4.01	4.45	33.93
1831..	1.05	0.98	0.30	1.95	2.98	4.17	6.35	3.57	3.98	3.88	4.93	2.55	36.69
1832..	2.03	6.11	2.75	2.28	3.92	1.64	1.62	4.05	4.45	3.75	5.88	2.55	41.03
1835..	0.99	2.59	1.62	1.68	1.49	7.30	3.52	4.20	5.58	6.06	1.84	4.09	40.96
1836..	1.87	0.93	1.30	2.12	5.51	6.24	3.27	2.05	5.78	3.25	1.86	2.27	36.45
1837..	3.50	1.80	2.16	1.63	2.54	3.89	1.96	3.52	5.67	6.75	3.10	3.22	39.74
1838..	1.63	0.84	0.76	2.47	4.36	2.53	1.41	3.39	0.88	8.91	3.38	1.29	31.85
1839..	1.09	1.63	2.61	0.90	5.47	4.56	1.28	1.14	3.66	0.95	3.76	3.40	30.45
1840..	2.25	3.19	3.83	3.10	2.71	2.40	3.14	5.62	4.28	3.96	3.65	1.77	39.90
1842..	2.17	1.04	3.11	1.70	1.50	3.35	9.70	1.78	7.25	4.85	1.53	1.42	39.40
1843..	1.88	2.10	1.98	2.65	2.73	3.31	0.85	0.25	5.52	4.21	1.75	2.90	30.13
1844..	1.08	0.95	3.61	2.02	4.15	4.93	5.37	7.19	0.64	4.21	1.74	3.20	39.09
1845..	2.51	1.38	2.37	3.07	2.08	3.73	2.07	2.24	6.50	2.10	3.08	0.97	32.10
1846..	2.91	1.44	0.91	1.35	2.14	2.40	4.37	2.18	3.94	6.74	3.37	1.61	33.36
1847..	2.44	2.54	0.80	1.19	3.71	3.03	5.30	6.03	6.05	5.15	4.23	6.97	47.44
1848..	3.43	0.91	2.95	0.69	3.77	2.43	4.99	3.79	3.38	2.17	4.19	4.73	37.43
Mean	2.04	1.82	2.00	1.93	3.32	3.84	3.65	3.28	4.46	4.31	3.27	2.96	36.88

ARCADE, WYOMING COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	....	....	....	....	4.91	8.41	4.65	2.18	....	....	....	....	.....
1890..	....	....	....	....	8.33	5.23	3.52	3.86	7.94	5.98	3.59	1.64	.....
1891..	1.82	4.04	1.87	1.32	1.87	4.69	5.11	5.00	2.36	2.16	3.10	4.09	37.43
1892..	2.52	3.35	1.77	1.34	7.16	9.33	4.59	4.78	2.59	3.63	3.33	1.51	45.90
1893..	1.69	4.60	2.64	4.47	7.28	3.63	2.88	6.55	3.19	3.77	1.95	3.82	46.47
1894..	3.12	2.50	1.83	6.02	10.05	5.35	2.70	1.57	5.54	4.22	1.83	1.65	46.38
1895..	3.79	0.99	1.09	1.51	1.90	4.04	2.38	5.71	1.61	2.26	2.77	3.92	31.97
1896..	2.35	3.86	3.50	1.36	2.48	3.19	6.39	3.77	6.18	3.22	3.68	1.66	41.64
1897..	2.70	1.76	2.80	3.06	4.30	2.64	8.35	3.62	1.13	0.97	4.35	3.47	39.15
1898..	4.29	1.66	2.97	2.90	4.62	6.17	2.98	6.20	4.77	5.31	3.79	3.15	48.81
1899..	2.22	1.49	2.41	1.04	4.92	1.78	2.90	0.45	5.10	3.07	1.70	4.46	31.54
1900..	4.00	3.31	2.77	1.82	2.40	2.12	5.45	3.95	....	....	....	....	.....
1901..	....	....	....	....	4.53	3.68	2.96	....	....	....	....	....	.....
1902..	....	....	....	....	....	6.15	10.51	2.95	....	4.39	1.97	2.63	.....
1903..	3.51	2.42	4.22	4.13	1.63	4.14	....	....	....	3.53	2.47	2.70	.....
1904..	4.31	4.17	5.05	3.02	3.77	4.06	5.30	3.09	3.25	3.12	0.58	3.89	43.61
1905..	5.60	2.00	1.28	2.26	2.71	4.44	4.72	2.88	1.89	3.18	3.18	3.15	36.74
1906..	4.00	0.67	5.00	2.55	....	2.91	....	5.01	2.35	....	....	2.87	.....
1907..	4.52	....	....	....	....	....	....	....	....	....	....	....	.....
Mean	3.36	2.63	2.80	2.63	4.55	4.55	4.71	3.81	3.68	3.49	2.74	2.97	41.92

BUFFALO, ERIE COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1832..	1.74	3.43	1.26	1.21	1.64	1.60	1.10	2.19	3.41	4.03	3.41	2.25	27.27
1858..	1.54	2.44	1.69	2.16	4.40	4.71	4.65	2.37	4.31	4.67	5.11	3.87	41.92
1859..	2.08	1.23	4.54	4.57	2.09	2.51	1.71	4.23	2.20	2.96	2.94	5.48	36.59
1860..	2.17	2.19	1.86	2.39	2.75	2.53	3.10	3.67	3.47	2.34	4.50	1.42	32.39
1861..	3.34	3.48	3.82	2.94	3.82	2.20	5.04	2.74	5.38	4.96	2.85	1.68	42.25
1862..	2.33	2.68	5.21	1.87	1.49	2.89	2.89	3.37	4.97	3.81	2.79	3.46	37.76
1863..	2.85	3.93	2.49	1.83	1.93	1.42	4.37	2.93	1.73	4.05	2.79	2.45	32.88
1864..	3.16	1.48	2.39	3.22	6.32	0.91	1.50	7.57	3.05	5.73	3.48	4.73	43.54
1865..	4.31	2.83	4.65	4.02	3.38	2.78	1.67	0.89	3.32	3.04	0.94	3.34	35.23
1866..	1.46	2.55	3.17	2.61	4.85	2.85	1.47	4.49	7.75	2.41	3.91	6.46	43.99
1867..	2.41	3.60	4.67	3.51	4.25	1.77	1.54	0.23	2.35	2.43	1.63	2.95	31.44
1868..	2.23	2.83	4.66	1.85	4.36	2.50	3.10	2.43	5.05	2.45	4.92	2.24	38.62
1869..	1.40	4.87	2.69	1.76	2.17	5.18	4.57	3.93	4.72	3.10	3.25	3.09	40.76
1870..	5.91	2.41	5.41	1.14	1.51	6.30	3.09	1.57	4.84	4.54	2.95	2.88	42.58
1871..	1.16	1.61	2.08	1.12	1.76	3.94	5.17	4.99	1.07	1.64	3.53	2.55	30.62
1872..	1.94	2.21	1.30	1.43	2.23	3.52	1.66	1.94	4.34	4.36	4.29	2.03	31.25
1873..	1.68	1.42	5.54	3.58	2.53	1.87	7.19	3.44	2.59	6.34	3.89	4.56	44.63
1874..	5.61	2.42	1.08	2.44	3.04	1.50	4.64	0.46	3.39	2.12	2.62	1.12	30.44
1875..	1.46	1.26	1.87	1.52	3.37	2.88	3.42	3.45	4.09	3.04	2.09	2.99	31.44
1876..	3.49	5.16	4.09	3.28	1.45	1.24	4.77	0.05	4.35	3.56	4.47	3.35	39.26
1877..	2.19	0.46	4.91	2.24	0.53	4.86	1.85	2.95	2.55	6.17	4.27	1.50	34.48
1878..	4.64	1.70	5.11	4.71	3.36	3.46	6.30	3.17	7.44	6.86	4.44	8.55	60.24
1879..	3.42	2.82	2.13	1.36	1.11	2.48	2.63	3.62	2.52	0.74	4.28	3.31	30.47
1880..	1.68	3.51	2.11	2.53	3.05	2.97	3.31	6.07	2.96	4.87	3.17	3.03	39.26
1881..	2.31	2.43	3.74	0.75	2.18	4.15	2.17	0.85	1.21	7.33	2.96	5.86	35.95
1882..	3.29	2.16	2.63	2.23	6.89	2.93	1.19	2.04	2.21	1.10	3.73	3.39	33.82
1883..	1.69	4.04	1.08	2.31	6.45	5.46	3.35	2.30	2.11	3.58	2.93	2.74	38.07
1884..	3.36	4.03	2.84	1.56	3.92	2.80	5.11	4.53	1.77	1.54	2.51	3.07	37.07
1885..	3.10	1.57	1.53	3.47	3.80	6.39	3.63	10.63	4.88	6.19	2.66	4.51	52.36
1886..	4.22	4.00	4.23	3.25	4.69	3.39	1.34	2.77	5.93	1.67	6.05	3.26	44.85
1887..	1.92	5.51	2.12	1.47	3.08	2.05	1.93	3.56	2.30	2.76	2.53	2.27	31.55
1888..	2.45	1.46	2.07	3.46	1.63	3.64	2.01	1.81	3.52	5.43	3.90	2.46	33.87
1889..	4.72	2.29	1.34	3.42	2.77	5.27	3.53	1.07	4.09	2.80	5.06	3.66	40.07
1890..	3.90	3.66	2.45	3.48	6.13	5.23	1.27	3.52	4.71	6.12	3.91	2.16	46.55
1891..	2.25	4.14	2.14	1.23	1.36	1.64	4.27	3.15	1.79	1.35	3.13	4.24	30.74
1892..	4.47	3.66	1.74	1.16	7.35	9.52	2.93	4.43	2.27	2.10	3.95	2.24	45.87
1893..	2.33	4.21	2.62	4.49	4.76	1.65	1.44	4.91	2.71	2.53	2.68	4.36	33.64
1894..	2.77	3.84	1.73	3.69	6.08	3.45	1.81	0.56	5.59	5.09	1.82	2.49	33.92
1895..	4.48	1.46	1.58	1.97	2.19	1.52	1.85	2.86	2.59	1.92	4.34	5.26	32.02
1896..	3.28	5.02	3.61	0.93	2.51	1.46	6.35	3.68	4.39	1.90	3.32	0.84	37.29
1897..	3.60	3.13	3.51	2.55	2.62	1.95	8.29	2.12	0.31	0.80	5.21	3.59	37.72
1898..	4.51	2.97	1.97	1.37	1.63	2.14	1.20	2.65	3.04	4.49	3.98	3.52	33.50
1899..	2.88	1.62	3.03	1.02	3.22	0.69	2.60	0.52	4.48	2.93	1.28	5.06	29.39
1900..	3.82	5.21	3.80	1.13	1.22	1.22	2.97	3.69	2.90	3.30	5.32	1.26	35.93
1901..	3.31	3.26	3.03	3.13	3.23	1.39	3.05	2.07	3.29	1.29	2.87	5.52	35.49
1902..	4.01	2.33	1.81	2.04	1.85	4.20	4.53	1.72	2.73	3.09	1.03	3.57	32.91
1903..	4.23	2.90	3.32	4.48	1.69	3.95	4.07	5.29	0.81	2.15	1.36	3.70	37.95
1904..	4.78	4.32	3.51	2.79	3.12	2.83	3.87	3.41	2.11	1.93	0.51	2.65	35.83
1905..	4.48	2.46	1.49	2.38	3.23	3.45	2.38	3.51	2.42	4.54	2.44	3.07	35.85
1906..	2.17	1.41	3.89	2.01	1.34	1.77	2.42	1.82	3.43	7.57	1.90	3.90	33.63
1907..	4.23	1.32	2.70	2.00	3.73	1.91	2.53	1.01	3.73	4.86	2.67	4.28	34.97
1908..	2.90	5.18	2.59	3.60	4.08	2.45	3.40	2.85	1.06	0.93	2.23	2.92	34.24
1909..	3.12	3.70	3.03	4.59	4.33	1.05	2.49	1.69	2.61	2.54	3.51	4.20	36.86
Mean	3.07	2.91	2.90	2.48	3.18	2.99	3.20	2.93	3.34	3.48	3.25	3.38	37.19

ALLEGHENY GROUP.

CHERRY CREEK, CATTARAUGUS COUNTY, N. Y.

1890..	....	....	....	....	....	3.45	4.83	4.61	6.21	8.72	4.87	3.92	.....
1891..	3.68	6.90	3.25	1.97	1.91	9.21	3.42	4.36	2.13	2.78	6.84	5.82	52.27
1892..	4.59	5.42	4.50	3.94	6.65	8.71	3.27	8.56	3.80	5.12	5.15	3.43	63.15
1893..	8.52	9.22	3.29	5.08	5.20	3.63	2.40	5.75	2.93	5.75	4.91	6.29	63.02
1894..	4.15	3.19	2.47	3.66	....	6.26	1.71	0.93	6.60	5.35	3.51	2.72	.....
1895..	4.17	2.29	1.96	2.65	2.58	4.70	1.83	6.43	2.10	2.95	5.92	4.97	42.55
1896..	3.60	5.62	4.29	2.69	3.22	2.93	5.22	3.63	4.64	2.54	4.09	2.97	45.44
1897..	4.06	2.89	4.58	3.11	4.02	3.10	6.23	1.06	1.11	2.28	6.41	5.30	47.15
1898..	6.19	3.56	2.73	3.10	5.03	5.51	2.86	4.45	2.17	6.41	5.27	4.03	51.37
1899..	3.50	2.41	4.21	1.96	4.87	1.96	3.57	0.44	8.11	2.47	2.39	7.27	43.16
1900..	5.83	4.91	5.59	....	....	....	....	....	....	....	....	....	.....
1901..	....	....	....	....	....	....	....	....	4.91	1.62	5.53	....	.....
Mean	4.83	4.64	3.69	3.13	4.19	4.95	3.58	4.33	4.07	4.18	4.99	4.67	51.20

FRANKLINVILLE, CATTARAUGUS COUNTY, N. Y.

1896..	....	....	....	....	....	....	.....	....	....	....	3.18	1.61	.....
1897..	2.54	2.01	3.04	2.76	3.40	1.71	5.88	2.63	0.90	0.75	5.00	4.01	34.63
1898..	4.78	1.98	3.50	3.32	3.48	4.79	3.24	7.99	2.51	5.46	4.02	2.64	47.71
1899..	2.14	1.79	3.23	1.12	3.19	2.65	3.16	1.54	3.84	2.40	1.87	4.38	31.34
1900..	3.37	3.38	4.23	1.37	1.91	2.56	5.85	3.68	2.09	3.79	5.60	2.36	40.19
1901..	2.29	1.62	3.35	5.05	4.94	2.74	3.61	5.92	3.53	1.32	4.14	5.87	44.38
1902..	2.39	2.45	1.92	3.46	3.97	4.68	10.09	2.31	3.40	3.59	1.65	2.75	42.66
1903..	3.12	2.80	4.04	3.49	1.58	3.42	4.65	5.20	3.04	3.69	2.68	2.36	40.07
1904..	4.48	4.61	4.63	4.03	4.27	2.47	5.33	2.30	5.26	6.11	1.77	3.52	48.78
1905..	5.05	1.66	2.77	3.80	2.88	8.89	5.82	4.09	2.10	4.87	4.35	3.32	49.60
1906..	2.10	1.05	3.30	2.90	4.76	4.24	2.97	4.71	4.32	5.61	2.22	3.18	41.36
1907..	3.19	1.16	2.64	2.76	3.05	5.24	3.60	1.14	4.63	3.80	2.52	2.63	36.36
1908..	2.93	4.02	2.78	4.27	5.50	5.63	4.10	2.27	1.21	1.01	1.92	....	.....
1909..	2.82	4.71	2.82	4.96	3.23	4.43	2.69	3.63	2.50	4.52	1.53	1.86	39.70
Mean	3.17	2.56	3.25	3.33	3.55	4.11	4.69	3.65	3.03	3.61	3.03	3.11	41.09

HUMPHREY, CATTARAUGUS COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1883..	....	....	....	....	....	4.53	6.69	2.55	2.85	3.33	3.02	2.64	.....
1884..	2.14	3.62	3.50	2.14	5.11	7.02	5.27	4.80	4.82	3.93	2.98	3.69	48.97
1885..	2.51	1.57	1.39	2.86	4.99	5.93	2.38	10.11	4.44	4.17	2.71	3.81	46.40
1886..	2.35	1.70	2.57	2.23	3.35	2.76	4.96	2.57	3.91	1.55	6.23	2.67	36.90
1887..	4.06	7.30	2.29	3.10	1.50	2.14	2.53	3.37	3.09	3.96	2.29	2.60	38.23
1888..	3.51	1.74	1.80	4.14	4.63	3.57	2.42	4.09	3.56	4.27	2.60	2.81	39.13
1889..	3.16	1.03	2.34	4.26	6.27	8.85	3.16	1.63	3.12	2.40	4.51	4.98	45.71
1890..	5.02	3.91	3.34	4.95	9.11	3.76	3.43	5.31	9.00	5.94	3.81	1.91	59.49
1891..	1.82	4.55	2.36	2.17	1.45	5.95	7.22	6.63	2.04	2.42	4.09	4.38	45.08
1892..	3.39	3.45	3.45	1.48	7.46	6.34	4.88	4.45	2.55	3.65	4.02	1.95	47.07
1893..	2.82	5.52	2.63	5.61	5.42	4.54	3.66	5.82	3.83	4.27	2.56	5.74	52.42
1894..	4.41	1.83	2.27	4.53	9.50	4.43	2.45	2.50	8.84	3.37	1.64	1.89	47.66
1895..	3.25	1.67	1.54	1.81	1.43	2.83	3.52	3.71	1.90	2.22	4.47	2.82	30.70
1896..	2.43	4.83	3.33	1.31	3.35	3.63	7.50	4.49	5.05	3.00	2.93	1.62	43.47
1897..	3.06	2.56	2.19	1.39	3.84	3.71	7.77	2.68	1.25	0.60	4.83	3.59	37.47
1898..	4.57	2.47	3.87	3.22	3.62	6.87	2.59	9.21	3.22	6.04	3.15	2.82	51.65
1899..	1.67	2.50	3.73	1.24	4.21	1.76	4.15	1.26	4.71	2.86	2.60	6.43	37.12
1900..	3.70	4.53	4.19	1.89	3.13	2.53	4.48	4.91	1.80	3.69	6.58	2.47	43.90
1901..	2.70	2.59	3.56	5.93	4.97	4.17	3.55	4.83	5.10	1.77	4.24	5.97	49.38
1902..	2.69	3.53	2.55	3.58	4.28	6.72	9.68	3.38	6.20	3.50	1.50	3.50	51.11
Mean	3.12	3.21	2.78	3.02	4.61	4.60	4.61	4.42	4.06	3.85	3.46	3.21	44.45

LITTLE GENESEE, ALLEGANY COUNTY, N. Y.

1866..	0.82	1.07	....	....	....	1.75	1.88	0.48	3.40	2.25	4.30	3.23	.....
1867..	1.90	2.35	0.70	1.95	8.70	1.50	3.30	4.00	2.02	1.10	0.60	2.05	30.17
1868..	2.00	1.88	2.80	1.75	3.65	3.95	1.90	1.65	2.95	2.25	2.25	2.45	29.48
1869..	2.65	2.06	2.65	1.55	2.95	4.32	6.13	2.46	4.75	2.06	3.00	2.50	37.08
1870..	5.07	3.98	4.05	2.43	1.42	4.57	8.86	3.21	3.54	2.13	3.15	3.03	45.44
1871..	3.68	2.86	4.86	2.39	1.64	3.62	3.32	3.43	0.50	2.10	3.83	3.02	35.30
1872..	1.84	2.54	3.07	1.32	2.00	3.26	5.07	3.81	3.90	5.87	2.61	2.84	38.13
1873..	5.27	3.27	5.08	4.20	2.93	3.74	4.02	3.35	1.93	7.01	3.85	3.31	47.96
Mean	2.90	2.50	3.32	2.23	3.33	3.34	4.31	2.80	2.87	3.10	2.95	2.80	36.45

BOLIVAR, ALLEGANY COUNTY, N. Y.

1890..	....	....	....	....	....	2.94	....	....	....	....	....	....	.....
1891..	....	....	2.27	....	....	2.44	....	....	1.89	2.65	2.69	3.44	.....
1892..	2.87	3.16	2.84	0.98	11.02	10.01	4.14	2.42	2.35	2.21	3.17	1.21	46.38
1893..	....	....	....	4.49	....	....	....	4.12	3.65	2.58	1.83	4.08	.....
1894..	3.68	2.02	1.78	....	....	....	....	....	....	3.72	....	....	.....
1896..	1.95	2.93	3.79	1.48	4.70	4.29	7.75	1.25	4.86	4.03	1.42	1.38	39.83
1897..	2.31	1.44	3.37	2.48	2.80	3.44	6.36	3.26	2.06	0.70	4.69	3.02	35.93
1898..	3.91	1.76	5.36	2.90	3.46	5.12	2.00	6.28	1.27	4.97	3.40	2.04	42.47
1899..	2.19	2.03	2.81	1.09	3.60	2.19	4.30	1.72	3.14	2.27	1.91	4.58	31.83
1900..	3.42	2.54	3.51	1.22	2.68	2.98	4.01	5.14	2.18	5.94	6.29	1.81	41.72
1901..	2.20	1.56	2.90	4.53	4.93	2.94	4.75	3.67	3.77	1.37	3.41	5.27	41.30
1902..	2.27	1.99	2.11	3.62	3.14	6.66	10.87	2.68	2.98	2.68	1.56	3.08	43.64
1903..	2.85	3.14	4.75	2.47	2.43	5.60	4.62	6.05	2.48	4.11	2.89	1.52	42.91
1904..	3.81	3.04	4.23	2.37	4.58	1.59	6.30	4.61	4.43	2.74	0.83	2.41	40.94
1905..	3.07	0.85	3.34	2.65	1.61	6.49	6.77	2.62	2.53	4.52	2.98	3.12	40.55
1906..	2.02	0.61	3.31	1.91	3.98	2.39	2.00	6.18	5.23	4.68	1.50	3.07	36.88
1907..	3.83	0.58	2.64	3.46	3.50	4.60	2.36	....	....	....	....	....	.....
1908..	....	....	....	3.33	....	....	4.75	....	....	1.06	1.29	2.18	.....
1909..	2.78	4.42	2.54	5.31	3.85	4.63	1.38	2.06	3.22	3.06	1.66	1.48	36.39
Mean	2.88	2.14	3.22	2.77	4.02	4.27	4.82	3.72	3.07	3.14	2.60	2.78	39.88

JAMESTOWN, CHAUTAUQUA COUNTY, N. Y.

1850..	....	....	....	....	....	....	....	....	....	....	4.45	6.10	.....
1851..	4.05	3.97	1.55	3.66	3.91	3.92	11.22	3.48	3.34	4.78	3.18	1.60	48.61
1852..	1.35	1.30	3.52	3.92	3.88	4.48	0.58	....	2.82	2.00	4.88	4.93	.....
1853..	2.04	3.55	1.80	5.34	0.96	4.63	4.10	3.75	5.78	3.17	3.10	3.62	41.84
1864..	2.72	2.70	1.20	....	....	0.50	4.50	9.50	3.80	7.80	3.80	6.00	.....
1865..	....	....	3.80	4.30	4.30	7.30	6.30	2.30	8.80	1.30	....	5.10	.....
1866..	1.10	4.15	....	....	....	....	....	....	....	....	....	....	.....
1871..	....	2.48	3.50	2.00	1.60	3.30	....	....	1.30	2.10	2.30	5.45	.....
1872..	1.30	1.71	2.07	2.15	3.90	3.40	4.60	2.30	3.10	4.40	3.95	4.00	36.88
1873..	3.45	1.70	4.95	1.70	2.50	2.30	4.30	2.70	1.20	5.60	4.70	4.95	40.05
1874..	7.10	4.40	2.95	1.75	1.80	3.70	2.50	2.40	4.40	6.70	1.81	1.34	40.85
1875..	1.95	2.45	3.85	2.10	3.15	4.42	2.85	8.80	....	....	....	....	.....
1895..	....	....	....	....	....	....	....	....	....	....	4.78	4.53	.....
1896..	3.08	5.57	5.21	2.48	3.77	3.39	7.96	3.46	5.48	2.17	3.70	2.63	48.90
1897..	4.29	2.23	5.52	3.77	3.45	2.06	5.93	2.95	0.75	0.69	6.52	4.32	42.48
1898..	5.55	4.54	3.64	3.39	4.61	5.01	2.18	7.21	2.15	4.90	4.70	4.84	52.72
1899..	2.74	3.63	4.62	2.33	4.76	3.29	4.48	2.75	4.83	2.30	1.95	6.99	44.67
1900..	6.56	4.15	4.82	2.13	1.95	2.70	4.68	2.02	2.52	3.18	7.27	3.08	45.06
1901..	3.98	4.50	2.97	4.85	3.13	3.30	2.50	4.50	4.75	1.57	4.81	4.84	45.70
1902..	2.34	1.89	1.90	3.18	3.32	5.23	9.12	2.71	4.18	2.91	1.57	3.62	41.97
1903..	2.90	3.00	3.73	3.73	2.37	3.58	5.94	5.32	1.71	3.24	3.95	2.46	41.98
1904..	5.03	3.31	4.71	3.75	6.77	2.92	7.47	2.75	5.59	3.53	1.31	2.42	49.56
1905..	3.59	1.80	2.54	3.24	3.04	4.81	6.32	4.15	3.01	3.97	3.94	2.83	43.24
1906..	1.30	0.77	2.98	2.04	2.98	1.56	2.81	3.29	4.30	6.07	2.33	4.00	34.43
1907..	4.17	1.20	3.25	2.70	4.57	4.53	4.32	2.03	5.84	4.67	2.90	3.66	43.84
1908..	1.57	3.20	3.35	3.49	5.81	4.34	2.47	2.04	1.29	0.86	2.76	3.43	34.61
Mean	3.28	2.97	3.41	3.10	3.48	3.68	4.87	3.83	3.68	3.54	3.68	4.03	43.56

CHEMUNG GROUP.

ATLANTA, STEUBEN COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1890..	....	....	....	....	....	4.18	2.56	5.95	7.47	5.23	2.47	2.90	.....
1891..	2.09	2.72	3.16	2.44	1.88	4.13	3.63	....	0.93	2.61	1.80	3.76	....
1892..	3.35	2.10	4.51	1.00	5.47	5.01	....	4.18	1.21	2.66	....	0.68	.....
1893..	0.93	0.86	1.74	3.68	7.33	3.04	2.32	7.47	3.53	2.80	1.27	2.16	37.13
1894..	2.10	1.75	1.14	5.90	8.44	3.14	2.95	1.90	6.21	4.30	0.91	2.45	41.20
1895..	0.94	2.77	1.65	1.62	2.20	....	....	5.80	1.33	1.18	2.87	3.22	.....
1896..	2.13	2.50	2.41	....	....	....	....	2.61	2.66	3.42	1.82	0.85	.....
1897..	1.72	0.83	2.18	1.92	2.91	2.23	7.47	2.20	2.34	1.18	2.81	3.01	30.80
1898..	3.35	2.09	1.93	2.89	2.92	4.29	3.83	5.76	1.96	5.02	3.35	2.91	40.35
1899..	1.31	1.54	2.45	1.51	2.85	1.18	2.10	3.14	2.54	1.91	2.38	3.57	25.48
1900..	2.64	3.00	4.04	2.08	1.77	2.17	3.08	2.41	1.07	3.79	5.89	1.87	33.81
1901..	2.18	2.54	2.60	5.97	5.97	2.10	7.59	9.08	2.58	1.31	2.99	4.82	49.73
1902..	2.83	1.94	2.27	3.60	2.97	5.19	10.21	1.93	2.83	3.25	1.39	2.59	41.00
1903..	2.41	2.46	5.02	2.92	1.16	4.66	4.27	5.58	2.06	3.86	1.84	1.67	37.91
1904..	4.56	2.39	3.59	2.09	4.39	4.31	6.35	3.08	3.69	2.79	0.98	2.05	41.17
1905..	2.65	1.25	2.05	2.22	1.95	5.57	7.54	2.45	2.20	3.77	1.35	2.27	35.28
1906..	0.45	0.25	2.58	2.52	5.63	3.80	2.65	6.51	3.46	4.64	2.35	2.65	37.50
1907..	3.06	....	1.35	....	....	....	....	....	....	....	....	....	.....
......	....	....	....	....	....	....	....	....	....	....	....	....	.....
Mean	2.28	1.94	2.63	2.88	3.86	3.66	4.75	4.33	2.83	3.16	2.28	2.56	37.21

HASKINVILLE, STEUBEN COUNTY, N. Y.

1895..	3.01	....	....	....	....	....	3.14	4.09	2.19	1.56	3.35	3.13	.....
1896..	2.16	3.41	2.43	0.64	1.72	3.19	5.45	1.86	4.84	3.80	1.45	0.99	31.95
1897..	1.56	0.63	2.46	2.25	3.06	1.88	5.56	1.89	2.73	0.68	2.90	2.10	27.70
1898..	2.29	1.41	1.98	2.71	3.33	3.95	4.77	4.81	1.77	5.81	2.97	1.37	37.17
1899..	0.99	0.75	1.74	0.40	3.58	0.48	3.70	1.85	2.68	2.15	2.52	3.19	24.03
1900..	1.48	2.19	2.97	1.60	2.17	2.61	3.63	1.71	1.46	4.07	5.31	1.10	30.30
1901..	1.60	0.40	1.86	4.58	6.58	3.06	3.31	5.67	2.66	1.03	2.45	4.05	37.25
1902..	1.50	1.26	1.24	1.80	2.55	5.30	9.27	1.80	1.77	2.76	1.37	1.90	32.52
1903..	1.68	0.72	5.46	2.16	1.63	6.26	2.93	4.97	2.22	3.19	2.25	1.21	34.71
1904..	2.79	1.74	3.37	2.03	3.99	2.87	4.83	3.00	3.19	2.47	0.53	2.00	32.81
1605..	2.58	1.25	1.63	2.20	1.26	4.92	8.52	2.92	3.35	3.23	2.08	2.39	36.33
1906..	1.01	0.61	3.37	2.22	4.17	4.73	3.44	6.09	2.86	3.63	**2.12**	2.07	36.32
1907..	3.16	0.65	1.97	3.62	2.04	4.05	3.66	1.11	5.05	3.45	2.95	2.59	34.31
1908..	1.75	1.98	1.63	3.53	5.58	3.13	3.65	4.40	1.30	1.89	1.61	1.48	31.93
1909..	1.45	3.10	1.97	3.35	2.53	3.14	1.31	2.82	2.71	2.33	1.57	1.46	27.74
Mean	1.93	1.44	2.43	2.36	3.16	3.54	4.48	3.27	2.72	2.80	2.36	2.07	32.56

SOUTH CANISTEO, STEUBEN COUNTY, N. Y.

1889..	**3.20**	**1.40**	**1.80**	4.96	5.90	7.19	9.25	3.12	4.57	4.59	6.35	4.10	55.83
1890..	3.89	2.67	4.33	4.22	8.64	5.03	2.31	7.41	12.72	6.51	1.90	4.00	63.63
1891..	2.53	4.72	3.43	2.22	1.41	2.68	4.62	5.80	1.20	3.48	2.74	3.30	33.13
1892..	3.50	3.40	3.42	1.57	6.74	3.99	4.56	4.83	1.40	2.44	3.60	1.01	40.45
1893..	2.96	3.58	3.51	5.84	5.25	4.78	2.70	4.13	2.76	4.05	2.03	2.91	44.50
1894..	3.41	3.21	1.64	7.80	11.46	3.51	3.34	2.71	7.12	4.40	2.13	3.41	54.14
1895..	3.32	0.97	1.63	1.49	2.79	4.75	2.77	3.88	1.15	1.17	3.39	4.34	31.65
1896..	2.76	5.62	3.62	1.25	4.03	6.22	5.01	1.62	5.10	6.49	1.82	1.14	41.68
1897..	2.34	1.60	3.01	3.13	3.18	3.48	5.62	2.69	3.47	1.04	3.56	2.71	35.83
1898..	3.90	2.09	4.53	3.85	3.87	2.90	1.75	4.45	2.28	4.80	3.33	2.62	39.87
1899..	1.99	1.95	2.60	1.51	3.29	2.48	2.99	1.99	3.15	3.21	1.80	4.27	31.23
1900..	2.40	5.62	2.62	1.60	3.05	5.11	4.10	3.37	1.43	5.81	6.03	1.60	42.74
1901..	1.95	1.32	3.13	7.07	5.15	3.53	3.97	5.93	3.24	0.62	2.64	4.65	43.21
1902..	2.90	2.37	2.73	2.86	1.77	6.21	8.40	2.56	3.32	1.49	1.41	3.05	39.10
1903..	3.25	2.15	4.64	3.21	1.91	5.49	4.59	7.13	1.98	4.47	2.48	1.38	42.74
1904..	3.45	3.85	3.15	2.81	5.06	2.03	4.20	3.80	3.01	2.43	1.05	2.10	35.97
1905..	3.80	1.30	2.70	3.03	1.52	5.37	3.91	2.21	2.40	3.65	2.03	2.93	31.89
1906..	1.54	0.98	3.17	1.95	3.29	3.75	3.66	5.69	3.32	5.88	1.70	2.56	37.49
1907..	3.25	1.40	2.01	4.11	2.93	3.95	4.16	1.49	4.16	3.43	2.01	2.87	35.80
1908..	2.38	3.20	3.59	3.72	4.48	2.89	5.58	3.21	1.48	2.38	1.05	1.70	35.67
Mean	2.94	2.67	3.04	3.39	4.29	4.27	4.37	3.90	3.46	3.62	2.65	2.83	41.43

ALFRED, ALLEGANY COUNTY, N. Y.

1852..	1.96	1.69	2.26	....	....	....	....	....	....	....	....	....	.....
1857..	....	....	1.45	3.10	4.20	7.00	4.30	4.00	4.30	5.90	7.40	2.50	.....
1858..	1.00	....	0.28	2.42	6.95	6.60	2.40	1.93	2.70	6.27	1.40	1.60	.....
1859..	1.70	2.20	1.00	2.90	3.90	7.10	....	....	3.20	1.50	0.90	2.90	.....
1860..	1.40	1.40	2.00	....	....	2.55	2.78	8.11	3.69	3.37	2.94	1.54	.....
1861..	2.53	4.98	2.55	....	....	....	....	....	....	....	....	....	.....
1889..	**3.10**	**1.50**	**1.40**	**2.25**	2.80	5.66	4.47	1.85	1.82	2.44	3.48	2.55	**33.32**
1890..	3.50	2.31	3.01	3.56	6.95	3.42	1.63	6.17	9.47	4.79	1.60	2.72	49.13
1891..	2.22	3.30	2.54	2.21	0.60	2.46	5.30	5.01	1.22	2.61	1.73	3.60	32.80
1892..	4.06	2.76	3.18	0.55	5.80	5.48	2.14	3.72	2.04	1.44	4.31	0.62	35.10
1893..	4.45	4.15	3.34	2.23	5.89	1.93	3.02	4.95	4.90	3.30	2.93	3.13	44.27
1894..	3.02	2.81	1.35	8.09	7.91	2.14	2.93	0.56	6.88	3.64	1.37	3.02	43.75
1895..	3.39	0.95	1.30	1.61	2.90	4.69	2.60	4.27	0.95	1.13	3.34	4.03	31.16
1896..	2.51	3.23	4.33	1.69	2.62	4.07	4.49	1.11	5.04	5.02	2.15	1.64	37.95
1897..	3.33	1.67	3.24	2.69	3.35	2.97	5.47	1.78	2.88	1.02	**3.25**	**3.85**	35.50
1898..	2.32	1.46	3.82	2.50	3.27	3.80	2.55	6.21	1.13	5.12	2.93	2.80	37.97
1899..	2.20	1.68	2.07	0.71	3.07	1.80	1.70	1.21	3.12	1.31	2.40	4.05	25.35
1900..	2.49	1.84	3.79	1.33	3.15	3.13	4.02	4.04	1.51	4.58	4.55	1.21	35.64
1901..	1.22	0.81	1.24	7.17	5.88	....	....	....	....	1.14	2.38	4.32	.....
......	....	....	....	....	....	....	....	....	....	...	....	....	.....
Mean	2.58	2.28	2.32	2.81	4.33	4.05	3.32	3.67	3.43	3.21	2.89	2.71	37.60

NIAGARA GROUP.

MIDDLEBURY, WYOMING COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1826..	1.90	1.03	3.16	1.77	0.33	4.22	3.13	1.78	1.12	2.58	2.50	0.44	23.95
1827..	1.60	3.25	2.85	3.94	1.48	2.94	2.17	2.95	1.24	3.28	0.70	2.80	30.02
1828..	1.30	2.12	1.62	1.97	0.17	3.05	4.52	6.69	2.12	2.31	4.81	1.74	32.42
1829..	1.08	1.48	1.02	2.63	3.50	3.18	3.74	1.23	3.71	2.22	3.11	2.85	29.80
1830..	1.73	0.38	3.08	2.43	4.46	8.63	3.89	2.28	3.29	1.55	4.65	2.13	38.50
1831..	1.45	1.08	1.44	3.65	2.50	4.39	5.00	2.85	1.83	3.89	1.18	0.56	29.83
1832..	1.51	4.63	1.73	2.10	4.37	1.11	1.85	3.80	3.24	1.54	4.24	0.65	30.77
1833..	1.64	1.72	0.50	2.12	6.58	2.46	3.83	2.91	2.94	3.01	1.77	1.16	30.67
1834..	1.45	0.71	2.85	2.45	1.41	4.45	3.69	1.92	2.54	3.32	1.84	0.80	27.44
1835..	1.48	1.58	2.25	3.75	1.74	0.78	2.00	4.49	2.15	6.69	1.85	0.39	31.15
1840..	1.25	3.25	2.33	1.41	1.80	4.19	4.70	4.47	2.94	2.34	1.66	2.03	32.42
1841..	2.60	0.12	4.25	3.40	2.30	1.85	2.30	0.57	4.40	1.85	3.55	4.30	31.49
1842..	1.42	2.10	3.25	1.85	1.55	2.74	0.51	1.87	4.93	2.36	3.15	2.25	27.99
1843..	1.25	3.60	1.94	3.78	1.74	3.29	1.64	2.17	4.81	3.99	2.45	2.24	32.91
1844..	0.62	0.46	2.92	1.78	4.27	2.75	5.58	4.65	0.64	4.45	1.67	1.11	30.90
1845..	1.55	2.45	2.90	2.48	2.10	1.79	2.47	0.56	3.61	2.10	2.89	0.29	25.19
1848..	0.99	0.20	0.83	0.35	4.35	1.07	5.13	2.50	2.64	1.51	1.40	4.73	25.70
Mean	1.46	1.77	2.29	2.46	2.63	3.41	3.30	2.81	2.83	2.95	2.56	1.79	30.26

AKRON, ERIE COUNTY, N. Y.

1890..	....	....	....	....	....	6.53	1.80	5.97	6.14	5.24	4.16	2.05	.....
1891..	1.86	3.79	2.19	1.42	1.60	0.79	5.06	4.19	1.90	1.02	3.27	4.61	31.70
1892..	3.53	2.77	1.60	0.93	5.20	5.42	3.37	4.45	1.63	2.10	3.76	1.55	35.31
1893..	2.03	4.33	2.27	3.77	7.20	2.77	4.17	4.70	**1.90**	**2.20**	**3.15**	**3.40**	41.94
1894..	**3.70**	3.35	1.61	3.43	6.82	**3.60**	2.13	0.47	6.95	4.67	1.57	1.73	39.98
1895..	3.37	1.12	1.30	2.05	1.89	2.18	2.92	2.82	3.17	1.74	3.72	3.70	30.29
1896..	3.08	3.02	3.95	1.04	1.95	2.32	5.45	3.20	6.03	1.80	2.53	1.25	35.73
1897..	2.48	2.50	2.89	1.79	2.82	1.79	4.03	1.73	0.62	1.34	5.09	4.20	31.25
1898..	4.65	2.35	1.75	1.76	2.45	2.25	3.15	**3.90**	3.51	3.75	3.17	2.31	35.02
1899..	**2.28**	**1.93**	2.45	**1.27**	**2.10**	**1.04**	2.73	1.33	4.91	3.44	1.53	4.82	29.91
1900..	1.98	3.61	3.25	1.02	1.03	1.27	3.50	2.48	2.85	3.67	6.06	1.05	31.90
1901..	2.32	2.74	2.97	5.89	4.85	3.43	4.00	4.30	3.89	1.44	2.86	4.63	43.32
1902..	3.44	1.71	1.89	3.16	2.32	4.28	6.82	2.22	3.43	2.61	1.15	2.48	35.51
1903..	2.78	2.44	3.44	4.30	1.43	3.35	5.33	7.27	0.65	1.46	1.69	1.68	35.88
1904..	5.25	2.80	3.55	3.12	2.22	3.42	4.72	3.22	3.41	2.46	0.78	2.17	37.12
1905..	3.02	2.49	1.73	2.46	3.77	4.47	5.87	1.84	1.32	2.71	2.38	3.08	35.14
1906..	1.50	0.68	3.63	2.35	2.55	1.43	2.31	2.59	2.62	....	....	....	....
Mean	2.95	2.61	2.53	2.49	3.14	2.98	3.97	3.34	3.23	2.60	2.93	2.80	35.57

FORT NIAGARA, NIAGARA COUNTY, N. Y.

1841..	....	....	....	....	....	....	....	....	....	0.77	1.20	3.40	..
1842..	2.50	3.90	4.10	4.20	2.40	7.25	6.32	3.50	5.05	3.70	4.82	2.75	50.49
1843..	5.67	2.27	2.74	2.81	2.39	5.67	4.23	1.49	4.72	2.24	1.54	1.35	37.13
1844..	1.80	0.53	1.52	0.84	2.74	2.59	2.28	2.26	0.26	1.47	0.94	1.63	18.86
1845..	1.75	1.17	1.94	2.07	2.57	1.16	1.14	2.81	3.06	1.42	1.21	0.31	20.61
1846..	1.90	1.15	1.20	1.08	2.08	1.62	....	....	...	....	....	....	....
1849..	....	....	....	....	...	....	2.63	7.21	5.00	4.14	3.65	2.91	
1850..	4.01	0.67	0.49	0.45	....	6.64	6.37	5.17	7.25	3.10	3.06	1.82	
1851..	1.20	3.32	0.37	2.01	2.49	1.69	3.18	2.25	2.99	2.58	2.40	1.42	25.91
1852..	1.00	1.71	4.45	2.87	2.55	2.91	1.98	2.60	5.05	3.30	2.62	5.97	37.64
1853..	1.11	1.64	2.54	3.40	3.70	1.60	2.71	1.56	3.55	1.31	2.18	1.17	25.47
1854..	1.63	2.52	1.87	2.25	3.90	1.71	4.03	1.52	2.61	....	....	....	....
1859..	....	....	....	....	....	....	1.28	2.68	2.20	1.67	3.11	3.74	....
1860..	1.69	3.21	1.77	1.26	1.56	1.59	3.76	3.35	1.59	1.79	3.98	3.58	29.13
1861..	2.82	3.26	3.00	1.30	3.32	2.02	2.86	1.95	4.30	3.14	4.49	1.45	33.90
1862..	2.14	1.91	4.14	1.18	1.14	2.23	2.28	2.35	1.94	3.66	2.84	2.92	28.73
1863..	3.08	2.17	2.08	1.82	2.59	0.76	3.83	1.74	1.78	2.20	2.16	2.46	25.72
1864..	2.75	0.88	2.12	3.00	4.12	0.28	3.46	3.16	1.48	5.25	1.80	2.08	30.38
1865..	1.62	1.38	2.94	2.82	2.94	1.68	1.52	1.18	2.78	3.35	0.95	1.24	24.41
1866..	1.03	2.20	1.90	2.22	3.05	2.05	4.53	3.32	4.56	1.12	3.38	2.12	31.49
1867..	1.57	2.18	0.99	2.99	2.35	1.20	0.77	1.45	1.54	1.54	1.06	1.10	18.76
1871..	1.07	1.22	3.21	1.57	1.18	1.57	1.44	1.98	0.82	0.42	1.02	0.94	16.41
1873..	....	....	....	....	....	1.74	4.22	2.17	2.48	4.03	2.27	3.08	.
1874..	4.45	3.06	1.57	3.31	2.10	2.45	2.95	0.79	1.69	0.95	1.33	0.63	25.30
1875..	1.15	0.94	0.97	1.73	2.38	1.80	3.78	1.70	3.53	2.45	1.30	2.04	23.82
1876..	2.00	3.14	2.51	2.20	1.89	0.89	3.17	0.33	2.23	1.21	2.22	0.80	22.59
1877..	1.16	0.31	3.84	1.76	0.58	1.98	1.43	3.29	0.38	1.78	4.25	0.51	21.27
1878..	2.80	3.10	3.57	2.97	3.17	1.10	3.68	2.94	6.62	3.41	3.30	4.13	40.82
1879..	0.53	1.16	1.89	0.60	1.00	1.76	4.30	2.94	3.69	0.88	4.75	2.70	25.20
1880..	1.54	1.15	1.77	2.59	2.22	3.54	2.38	3.18	1.67	2.48	1.98	0.98	25.3[illegible]
1881..	1.37	2.16	3.13	0.33	3.41	1.24	1.69	0.42	1.25	3.63	2.93	2.60	24.26
1882..	2.05	1.87	2.41	1.16	5.23	1.29	0.62	2.89	1.43	0.75	2.33	2.14	24.17
1883..	0.85	2.36	0.84	1.89	6.68	4.38	2.66	2.45	1.97	1.78	1.49	1.89	29.19
1884..	2.25	2.75	2.27	0.71	1.43	1.16	1.51	0.55	0.70	0.85	0.77	1.76	16.71
1885..	1.38	1.22	0.73	1.62	3.43	3.93	0.93	....	2.12	3.20	1.96	1.45	....
1886..	1.24	1.58	1.99	1.56	1.14	1.67	1.06	1.57	4.00	0.77	2.44	1.00	20.02
1887..	0.64	4.12	1.42	0.21	0.95	1.72	0.83	0.69	0.38	1.12	0.54	....	.
1888..	....	....	....	....	....	....	....	....	....	....	....	0.68	
1889..	2.88	0.69	0.73	2.13	3.84	3.91	2.08	1.40	2.14	2.89	3.85	2.25	28.92
1890..	3.15	2.56	1.55	2.34	3.60	4.59	0.87	4.34	4.03	4.21	2.79	0.58	34.62
1891..	1.25	2.42	2.13	1.93	1.00	1.19	2.47	4.11	2.59	1.38	1.75	2.90	25.18
1892..	....	....	....	0.51	2.94	5.48	2.10	3.39	2.57	0.69	0.97	1.01	..
1893..	1.89	2.24	2.21	3.70	5.18	2.02	2.78	4.85	2.04	2.62	2.43	3.05	35.61
1894..	1.70	1.25	0.88	1.53	7.31	1.44	6.00	0.64	4.75	1.84	1.36	2.09	30.79
1895..	1.95	0.92	0.73	1.73	2.50	1.09	1.11	1.69	2.78	1.41	2.89	3.63	22.44
1896..	2.80	2.71	2.54	0.51	2.36	1.79	3.77	1.00	3.71	1.39	1.85	0.56	25.0[illegible]
1897..	0.96	1.70	2.50	2.49	3.07	2.16	7.01	1.91	1.00	1.05	3.69	2.77	[illegible]
1898..	2.49	1.42	0.87	1.47	2.24	3.15	2.10	....	....	3.82	2.33	1.47	.
1899..	1.57	1.63	0.95	1.13	3.84	0.40	2.95	1.80	5.31	3.20	0.80	2.35	25.94
Mean	1.95	1.95	2.03	1.87	2.80	2.31	2.81	2.38	2.83	2.22	2.33	2.03	27.52

LEWISTON, NIAGARA COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1831..	1.25	1.57	1.12	3.29	1.57	3.18	3.32	0.74	2.74	4.65	1.63	0.29	25.35
1832..	0.66	1.60	0.80	0.73	3.04	0.85	0.52	2.90	4.95	2.44	2.28	0.68	21.45
1833..	0.56	1.48	0.15	1.56	3.31	3.15	3.93	1.09	2.01	1.92	0.08	1.44	20.73
1834..	1.25	0.71	2.29	1.46	0.21	3.03	4.16	1.11	2.62	5.04	0.61	0.06	22.55
1835..	3.31	2.30	0.75	2.47	2.86	2.78	0.80	2.50	2.53	3.97	1.11	0.30	25.63
1837..	1.80	0.40	0.25	0.50	1.25	3.20	1.60	2.45	1.85	3.55	2.15	1.10	20.10
1839..	0.56	1.08	1.79	1.25	2.40	2.76	2.37	0.66	1.68	0.75	1.36	1.07	17.73
1840..	1.73	1.57	1.43	1.31	2.32	3.00	2.86	1.06	2.62	2.37	1.35	1.42	23.07
1841..	1.25	0.34	3.95	2.10	1.11	2.30	2.30	0.55	2.40	0.60	0.35	1.75	19.00
1842..	0.70	1.30	0.82	1.30	0.75	2.31	1.93	2.64	3.53	1.00	1.65	0.65	18.58
1843..	1.05	0.50	0.35	1.05	2.00	1.50	1.80	3.20	1.55	3.80	3.90	0.70	21.40
1848..	2.10	0.53	1.91	0.93	2.55	1.76	2.46	4.60	3.33	0.97	1.62	3.76	26.53
1849..	2.00	1.10	2.54	1.73	2.42	2.14	2.30	1.97	1.93	3.67	3.83	1.16	26.82
Mean	1.40	1.11	1.39	1.51	1.98	2.46	2.34	1.96	2.59	2.67	1.68	1.11	22.20

ONTARIO BASIN GROUP.

APPLETON, NIAGARA COUNTY, N. Y.

1888..	....	....	....	....	....	....	....	....	....	1.80	9.02	2.72	.....
1889..	9.50	4.62	2.57	6.04	7.26	12.13	6.93	1.81	6.68	8.32	15.23	5.99	87.13
1890..	3.68	3.88	2.00	2.56	6.02	6.48	3.38	6.71	6.43	6.68	4.83	1.60	54.25
1891..	2.42	3.65	3.22	2.00	1.45	2.17	3.12	5.91	1.69	1.65	2.80	4.54	34.62
1892..	3.23	3.36	1.24	1.02	4.27	8.15	8.44	6.67	3.69	1.84	3.37	1.52	46.80
1893..	....	....	....	....	....	....	2.74	4.48	2.45	2.69	2.86	4.12	.....
1894..	1.72	1.27	1.43	1.34	5.83	1.55	3.81	0.63	4.06	1.90	1.08	2.35	27.02
1895..	3.01	0.75	0.80	1.79	2.23	1.03	1.15	2.20	3.53	1.56	3.47	3.71	25.23
1896..	3.10	3.25	2.65	0.43	2.96	1.60	5.27	0.72	4.17	1.15	2.00	1.11	28.41
1897..	1.42	1.93	2.93	2.58	2.46	1.65	5.08	2.14	0.28	1.05	4.40	3.34	29.26
1898..	3.23	1.77	1.22	1.41	1.81	3.35	1.05	2.10	3.78	4.34	2.74	2.26	29.06
1899..	1.29	1.89	2.26	1.36	2.88	0.18	2.36	0.38	6.29	2.91	0.95	2.70	25.45
1900..	2.58	3.61	1.79	0.91	1.05	1.16	4.29	2.02	2.58	2.97	4.95	1.18	29.09
1901..	2.03	0.74	2.14	5.08	3.75	2.10	3.62	1.71	2.77	0.84	2.51	3.78	31.07
1902..	2.80	0.83	1.31	2.71	1.64	4.54	8.26	1.76	3.54	2.08	1.66	1.61	32.74
1903..	2.68	2.14	2.55	3.52	1.45	2.92	3.68	5.07	0.59	3.20	1.39	1.33	30.52
1904..	2.42	2.32	2.49	2.49	3.21	1.70	3.86	2.34	2.09	2.17	0.17	1.51	26.77
1905..	2.13	0.96	1.05	1.70	3.78	2.68	4.02	1.99	0.99	2.82	2.00	2.48	26.60
1906..	0.95	0.91	1.93	1.71	1.75	2.73	3.08	1.44	2.25	6.48	1.82	2.78	27.83
1907..	2.37	0.77	2.30	1.46	3.21	2.14	2.11	1.89	2.96	3.54	2.68	3.58	29.01
1908..	1.28	2.24	2.23	2.61	2.53	1.99	3.60	2.19	1.03	1.04	1.45	1.08	23.27
1909..	1.87	2.46	2.06	2.63	3.64	0.88	3.21	1.89	2.61	2.81	2.90	2.07	29.03
Mean	2.68	2.17	2.01	2.27	3.16	3.06	3.96	2.67	3.07	2.90	3.38	2.61	33.94

ELBA, GENESEE COUNTY, N. Y.

1900..	3.85	3.00	5.15	1.55	2.01	1.02	5.65	2.39	2.69	3.39	3.99	1.85	36.54
1901..	3.86	3.10	2.40	4.25	5.13	3.38	4.49	2.45	3.26	1.08	2.49	4.10	39.99
1902..	3.40	2.60	1.52	2.55	1.76	4.05	9.76	2.29	2.13	2.67	0.85	3.53	37.11
1903..	3.97	3.66	3.57	3.15	1.19	3.17	4.06	5.14	0.98	2.59	1.47	4.05	37.00
1904..	4.45	4.13	5.02	7.17	2.28	3.46	3.30	3.24	3.25	2.22	0.66	3.54	42.72
1905..	5.60	2.90	0.90	2.90	3.35	5.05	4.35	2.25	1.34	2.97	2.21	2.11	35.93
1906..	1.11	1.05	3.53	1.85	2.19	2.88	3.01	1.92	5.45	5.59	2.39	3.04	34.01
1907..	3.04	1.00	1.68	2.58	3.62	2.11	3.93	1.63	3.49	3.95	3.38	4.08	34.49
1908..	1.61	3.82	3.35	2.77	4.48	3.67	5.07	1.79	1.36	1.17	1.49	2.45	32.98
1909..	1.83	3.50	2.20	2.68	4.55	1.50	4.83	1.79	1.63	2.05	1.80	3.05	31.41
Mean	3.27	2.88	2.93	3.14	3.05	3.03	4.84	2.49	2.56	2.77	2.07	3.18	36.21

LOCKPORT, NIAGARA COUNTY, N. Y.

1870..	....	....	....	....	....	4.37	2.79	2.52	3.75	2.39	2.54	3.26	.....
1871..	1.70	2.30	3.07	2.26	1.65	3.07	2.85	3.83	1.40	1.15	5.35	3.35	31.98
1872..	1.04	1.15	1.15	1.16	1.66	3.32	1.80	0.71	3.59	3.89	1.83	2.58	23.88
1873..	3.25	0.60	3.00	2.88	1.13	2.05	5.14	2.74	2.16	4.29	2.73	3.35	33.32
1874..	5.39	3.67	1.75	3.50	1.75	0.23	4.05	0.85	1.78	1.85	1.55	0.85	27.22
1875..	1.30	0.73	3.45	0.95	2.68	3.50	3.90	1.50	4.10	2.83	1.55	2.50	28.99
1876..	3.00	5.20	4.00	....	....	....	....	....	....	....	....	....	.....
1891..	2.10	4.10	2.90	1.63	1.35	1.45	3.41	4.87	2.86	1.57	3.19	3.96	33.39
1892..	2.65	2.13	0.98	1.06	4.30	4.52	5.36	3.59	3.86	2.31	3.54	1.17	35.47
1893..	2.06	3.86	2.62	4.01	7.18	2.54	4.78	5.21	3.43	2.68	3.34	4.77	46.48
1894..	3.13	2.51	2.41	2.25	7.98	3.89	3.19	0.66	5.12	3.35	1.34	2.13	37.96
1895..	3.52	2.18	1.56	....	....	....	....	....	....	....	....	....	.....
1896..	....	....	....	0.40	1.15	1.43	6.50	1.36	4.45	1.27	2.12	1.35	.....
1897..	1.87	2.70	2.34	1.98	2.30	1.53	3.30	2.29	0.90	0.81	4.46	3.70	28.18
1898..	3.50	3.65	1.37	1.80	2.32	2.88	1.65	4.09	4.36	4.38	1.21	1.70	32.91
1899..	1.69	1.34	1.12	0.48	1.30	0.25	1.27	0.48	4.33	1.71	0.49	3.11	17.57
1900..	1.80	2.72	2.35	1.26	2.42	1.07	4.15	3.35	2.50	2.60	3.00	1.30	28.52
1901..	1.70	2.55	1.80	6.47	3.27	1.46	4.00	1.60	2.47	2.35	3.36	3.20	34.23
1902..	3.25	1.40	1.21	2.71	1.55	4.03	5.73	1.92	2.76	2.60	1.56	1.97	30.69
1903..	2.65	2.39	2.82	4.00	1.52	3.21	3.77	5.55	0.60	2.50	1.43	1.66	32.10
1904..	3.66	2.76	3.20	2.43	2.87	1.64	4.06	3.03	2.06	1.81	0.21	1.32	29.05
1905..	3.09	1.40	1.64	1.73	3.22	4.40	4.41	2.64	1.22	2.33	2.20	2.65	30.93
1906..	1.13	0.84	2.66	1.65	1.96	3.02	2.29	1.98	2.60	7.80	2.61	2.81	31.35
1907..	2.60	0.78	2.27	1.58	4.01	3.69	2.68	1.67	3.45	3.13	3.15	3.93	32.97
1908..	1.46	3.01	2.54	2.24	2.83	1.91	4.92	3.08	0.94	1.08	1.35	1.01	26.37
1909..	2.29	2.97	2.52	2.76	4.97	0.85	5.69	0.90	2.76	2.95	2.75	2.57	33.98
Mean	2.49	2.37	2.28	2.23	2.84	2.51	3.82	2.52	2.81	2.65	2.37	2.51	31.40

LYNDONVILLE, ORLEANS COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1890..	....	....	....	....	....	3.96	1.96	7.25	5.78	....	4.22	0.78	.....
1891..	1.31	2.83	2.54	1.55	1.90	2.10	5.70	4.53	2.20	0.99	1.57	3.74	30.96
1892..	1.62	1.89	0.90	0.73	4.09	3.50	3.07	4.66	2.21	1.83	3.25	1.24	28.99
1893..	0.92	2.23	1.87	....	....	....	....	....	....	....	....	....	.....
1897..	....	....	....	....	....	1.74	4.63	2.32	0.29	0.95	4.74	3.85	.....
1898..	2.28	0.70	1.43	1.33	2.10	2.32	1.35	2.54	3.36	3.16	2.63	1.83	25.03
1899..	0.56	1.40	2.13	0.39	2.26	T.	2.29	0.50	4.60	2.80	0.86	2.82	20.61
1900..	1.27	1.56	1.01	1.09	0.65	0.96	4.55	1.64	2.46	2.03	5.32	1.59	24.14
1901..	1.35	1.78	1.65	4.43	4.00	1.65	3.61	0.94	4.02	0.59	3.18	3.89	31.10
1902..	3.39	1.39	0.90	2.26	2.05	4.25	6.26	2.85	2.26	2.10	....	2.40	.....
1903..	....	2.41	2.43	3.05	1.35	2.53	3.90	7.40	0.45	2.16	1.69	1.08	.....
1904..	2.66	2.58	2.41	2.13	3.51	2.28	4.45	3.26	1.80	2.08	0.14	1.39	28.69
1905..	1.94	1.35	0.81	1.64	3.12	5.06	3.60	2.33	1.17	2.34	2.30	2.52	28.18
1906..	1.13	0.50	2.13	1.83	1.01	3.03	2.38	1.60	2.13	6.11	2.51	1.75	26.11
1907..	2.17	1.35	2.20	1.39	3.28	1.68	1.64	1.44	3.44	3.49	3.03	3.44	28.55
1908..	0.72	2.00	1.39	1.65	2.47	1.30	3.60	1.50	0.42	0.86	1.11	0.75	17.77
1909..	0.85	2.41	0.75	1.33	2.96	0.97	3.52	1.57	1.52	2.51	2.52	1.84	22.75
Mean	1.58	1.76	1.64	1.77	2.48	2.33	3.53	2.90	2.38	2.27	2.60	2.15	27.39

RIDGEWAY, ORLEANS COUNTY, N. Y.

1895..	....	....	....	....	....	....	....	....	3.21	....	3.53	3.18	.....
1896..	3.00	2.95	2.00	0.57	2.51	2.28	6.18	1.11	4.13	0.96	2.38	0.89	28.96
1897..	1.10	1.66	2.66	2.62	2.77	1.79	5.51	1.83	0.47	1.07	5.02	2.80	29.30
1898..	3.69	1.66	1.30	1.65	1.96	3.02	1.35	4.88	3.80	3.46	3.20	2.34	32.31
1899..	1.52	1.98	2.50	1.25	2.52	0.27	2.80	0.55	4.07	2.35	1.02	4.21	25.04
1900..	3.30	4.20	2.74	1.08	1.20	1.40	4.00	1.95	2.92	2.69	5.03	1.87	32.38
1901..	2.50	2.97	2.61	4.30	4.66	2.11	5.07	1.40	3.28	1.66	3.59	4.48	38.63
1902..	3.09	2.62	1.84	3.15	2.13	4.29	7.00	3.15	3.17	2.28	1.70	3.15	37.57
1903..	2.78	2.65	3.31	3.66	1.14	3.66	4.41	6.71	0.61	2.78	1.81	2.16	35.68
1904..	3.34	2.93	2.51	2.74	3.52	2.36	5.08	2.67	2.04	2.26	0.49	2.05	31.99
1905..	3.11	1.91	1.33	2.27	2.27	5.04	5.00	2.77	1.39	2.81	2.49	2.70	33.09
1906..	1.86	1.25	4.06	2.36	2.50	2.96	3.05	3.70	2.41	6.60	....	....	.....
Mean	2.66	2.43	2.44	2.33	2.47	2.65	4.50	2.79	2.62	2.63	2.75	2.71	32.98

BROCKPORT, MONROE COUNTY, N. Y.

1890..	....	3.06	3.43	2.70	6.65	3.59	2.94	2.99	4.99	4.49	3.98	1.88	.....
1891..	2.57	....	....	....	1.05	....	....	....	1.30	1.99	....	4.04	.....
1892..	3.39	2.51	1.51	1.11	3.82	....	....	....	....	....	4.50	2.47	.....
1893..	2.01	3.52	2.16	3.62	4.99	....	....	....	....	1.85	1.00	....	.....
1899..	....	....	....	....	....	....	....	....	....	....	....	4.24	.....
1900..	4.00	3.88	3.96	1.78	1.42	0.94	4.47	2.31	3.02	3.89	5.84	2.57	38.08
1901..	2.75	3.35	3.74	6.77	4.02	3.36	4.29	1.80	3.39	1.74	3.85	4.82	43.88
1902..	3.11	1.46	1.84	3.33	1.34	4.61	4.93	2.73	2.98	2.13	1.52	3.25	33.23
1903..	2.41	2.48	3.48	3.70	0.82	2.62	4.68	4.35	0.66	3.70	1.56	2.39	32.85
1904..	3.47	2.74	3.02	2.63	3.05	2.43	3.67	3.22	2.77	1.87	0.35	2.32	31.54
1905..	4.05	2.34	2.15	1.95	2.80	5.45	6.53	2.94	1.96	2.99	2.28	2.81	38.25
1906..	1.56	0.93	3.12	2.05	1.65	3.36	3.09	2.60	2.25	6.68	2.65	2.96	32.90
1907..	3.22	1.02	2.16	2.21	3.26	1.70	2.26	1.36	4.21	3.63	4.10	4.33	33.46
1908..	2.38	2.71	2.97	2.40	3.95	2.65	6.32	1.61	1.06	1.26	1.36	1.71	30.38
1909..	2.95	3.78	2.24	3.56	4.91	2.55	5.48	3.14	1.66	2.59	1.50	2.18	36.55
Mean	2.91	2.60	2.75	2.91	3.12	3.02	4.42	2.64	2.52	2.99	2.65	3.00	35.53

GENESEE BASIN GROUP.

ANGELICA, ALLEGANY COUNTY, N. Y.

1856..	2.85	0.55	....	....	....	3.52	....	1.83	4.82	1.77	....	1.90	.....
1857..	2.85	1.77	....	4.40	....	12.50	....	....	....	....	....	....	.....
1871..	....	0.60	....	....	1.01	2.57	3.02	3.72	0.68	2.15	1.64	2.86	.....
1872..	2.34	0.70	1.38	0.90	1.00	3.00	4.73	2.99	1.70	5.83	2.24	1.80	28.61
1873..	2.72	0.63	3.53	2.89	2.30	2.72	2.61	5.82	0.90	6.44	....	....	.....
1874..	....	....	....	....	....	....	....	....	....	1.35	2.30	....	.....
1875..	....	0.10	2.80	1.20	3.66	4.15	....	....	....	....	....	....	.....
1889..	3.10	1.26	1.67	3.81	5.12	7.43	5.00	2.60	2.34	3.33	4.27	3.29	43.22
1890..	3.47	2.33	2.63	3.59	7.38	4.52	2.94	6.72	8.72	4.72	2.28	2.77	52.07
1891..	1.86	1.63	2.50	2.46	1.25	3.48	5.80	5.39	1.37	2.61	2.33	3.84	34.52
1892..	3.27	3.06	3.55	1.57	7.31	5.14	2.55	3.67	2.68	2.51	3.60	1.13	40.04
1893..	2.44	4.37	2.87	4.37	5.65	2.35	1.79	5.22	2.67	2.49	2.12	3.53	39.87
1894..	4.45	2.81	1.78	7.77	8.82	2.02	4.14	2.26	7.14	3.27	1.70	2.23	48.49
1895..	3.35	1.38	2.86	2.72	2.01	4.10	2.40	3.96	1.92	1.32	3.46	4.02	33.50
1896..	2.34	4.16	4.21	1.58	1.99	3.26	5.66	2.63	4.96	3.18	2.08	1.23	37.28
1897..	3.12	1.57	4.21	3.15	4.07	5.56	5.14	1.77	1.74	0.65	3.07	3.10	37.15
1898..	3.16	1.41	3.39	2.72	3.51	5.28	1.79	8.87	1.93	4.76	3.00	2.58	42.40
1899..	2.04	1.64	2.72	0.90	2.39	1.81	2.56	2.05	2.86	2.99	2.09	3.97	28.02
1900..	2.61	2.33	3.76	1.44	2.62	2.56	4.04	2.59	1.47	4.52	5.40	2.15	35.49
1901..	2.62	2.04	2.95	5.29	5.23	3.69	3.34	4.87	3.11	1.15	2.88	4.77	41.94
1902..	2.80	1.80	2.53	3.76	3.97	5.79	12.46	8.35	4.46	2.06	0.79	1.95	45.72
1903..	1.78	1.45	4.60	2.65	1.16	4.54	4.11	7.51	1.80	3.10	2.57	0.77	36.04
1904..	2.69	1.48	2.47	1.97	4.00	....	6.54	....	....	....	....	....	.....
1905..	....	....	....	....	....	....	....	2.77	2.58	3.04	1.86	2.79	.....
1906..	1.59	0.58	3.08	1.42	3.70	4.28	4.69	8.33	3.63	4.66	1.90	2.49	40.35
1907..	2.27	1.00	2.15	3.47	2.49	3.33	2.66	1.20	4.17	3.46	1.38	3.45	31.03
1908..	1.99	3.95	2.46	3.18	6.38	3.78	3.93	3.46	0.77	0.69	1.20	1.79	33.58
1909..	2.54	3.42	1.93	4.16	2.82	3.35	1.37	2.20	1.92	2.52	1.36	1.19	28.78
Mean	2.68	1.87	2.87	2.97	3.74	4.19	4.08	3.99	2.89	2.99	2.41	2.59	37.27

FRIENDSHIP, ALLEGANY COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1867..	....	....	....	....	....	1.90	2.45	1.42	2.81	....	1.29	....	.....
1876..	....	....	....	....	....	....	....	0.95	5.27	1.23	2.89	1.90	.....
1877..	3.80	0.50	2.80	0.30	0.45	4.27	3.47	0.67	2.40	4.63	0.95	1.12	25.36
1878..	7.16	1.25	0.90	2.43	2.62	4.27	3.25	....	1.33	4.95	4.44	4.66	.....
1879..	2.35	2.78	1.28	1.55	1.50	7.45	3.13	2.87	1.60	2.15	4.18	2.58	33.42
1880..	2.28	3.57	2.04	3.93	2.57	4.31	1.39	3.21	2.12	2.87	2.02	1.63	31.94
1881..	3.38	1.26	4.40	1.06	1.59	5.63	1.65	1.48	1.50	3.88	5.42	5.95	37.20
1882..	2.27	3.90	4.35	1.20	5.61	5.04	3.03	1.52	1.60	....	2.90	....	.....
1883..	0.92	5.35	1.68	3.35	6.80	4.97	5.82	2.30	2.09	2.27	....	....	.....
1884..	....	....	....	....	....	....	....	....	....	....	....	2.15	.....
1887..	....	....	....	....	....	....	....	....	....	....	1.10	1.80	.....
1888..	1.10	1.12	2.58	9.85	0.21	3.15	1.41	4.73	1.02	4.10	1.52	3.25	34.04
1889..	4.25	2.45	4.85	4.53	6.60	4.92	4.30	2.83	....	....	....	....	.....
1893..	1.16	4.96	2.33	4.34	5.70	2.04	2.01	5.33	3.65	3.07	2.12	3.51	40.22
1894..	4.26	3.17	1.73	5.81	9.19	3.37	3.99	2.41	6.89	3.50	1.92	2.15	43.39
1895..	3.03	1.34	1.01	1.96	2.39	4.91	2.72	3.74	3.02	1.44	3.44	3.35	32.35
1896..	2.03	3.23	3.45	1.58	3.09	3.22	4.54	1.83	5.65	4.03	2.29	1.40	36.34
1897..	2.29	1.56	3.59	2.77	2.65	2.93	4.47	....	....	....	....	....	.....
Mean	2.88	2.60	2.64	3.19	3.64	4.16	3.17	2.52	2.92	3.18	2.61	2.72	36.23

NUNDA, LIVINGSTON COUNTY, N. Y.

1898..	3.85	1.55	....	3.85	5.45	6.78	1.89	7.29	2.05	4.00	3.63	2.33	.....
1899..	1.61	1.98	2.86	2.35	4.37	1.22	2.05	2.03	2.83	2.09	....	....	.....
1900..	3.17	5.63	4.27	2.21	3.48	0.75	....	....	1.87	3.78	....	....	.....
1901..	2.56	6.97	5.67	....	....	....	....	....	....	....	2.30	5.18	.....
1902..	2.93	1.60	1.35	2.22	2.29	5.16	9.93	1.25	3.05	3.86	1.60	2.51	37.75
1903..	1.04	2.10	4.17	3.63	0.56	4.01	3.14	....	2.04	2.34	....	....	.....
1904..	....	....	....	....	....	3.00	5.43	2.02	2.33	2.50	0.80	3.21	.....
1905..	3.78	0.40	3.05	2.66	2.37	5.23	8.35	2.13	2.22	1.95	2.12	2.88	37.14
1906..	2.35	0.90	3.21	1.51	3.96	2.49	4.49	4.79	3.03	5.15	2.73	2.45	37.06
1907..	2.70	0.95	1.89	2.00	2.51	3.20	1.97	0.70	4.52	2.95	1.15	3.10	27.64
1908..	2.05	1.70	2.25	2.25	5.90	6.65	5.95	2.08	0.62	0.72	1.17	2.06	33.40
1909..	2.98	1.40	1.67	3.75	1.62	2.71	2.41	2.32	3.08	2.26	1.20	1.32	26.72
Mean	2.65	1.82	2.73	3.04	3.47	3.75	4.56	2.73	2.51	2.87	1.86	2.78	34.77

Record 1904-1909 made at Hunt, 3 miles south of Nunda.

MT. MORRIS, LIVINGSTON COUNTY, N. Y.

1885..	....	....	....	....	2.99	4.26	2.59	3.92	0.45	2.92	1.54	....	.....
1886..	....	....	....	2.95	3.00	1.95	2.25	3.12	2.40	2.85	3.30	....	.....
1887..	....	....	....	....	2.46	2.35	2.37	3.04	1.36	1.26	....	....	.....
1888..	....	....	....	2.80	2.40	1.95	2.25	3.25	2.85	3.00	....	....	.....
1889..	....	....	1.40	2.15	2.93	7.30	3.09	2.80	....	....	....	....	.....
1890..	....	....	1.64	3.39	5.20	4.74	1.43	2.49	6.43	3.46	2.07	....	.....
1891..	2.00	3.40	1.90	1.41	1.01	2.04	2.95	3.66	0.74	1.83	2.23	2.92	26.09
1892..	....	....	....	0.64	4.90	4.77	2.05	5.34	1.18	1.33	....	....	.....
1893..	....	....	....	3.08	5.62	0.87	1.97	5.20	2.95	1.88	1.10	2.09	.....
1894..	2.58	2.78	1.97	4.13	6.27	2.08	1.51	2.27	4.28	2.57	0.54	....	.....
1895..	....	....	....	1.62	1.48	2.67	1.74	3.41	1.84	0.84	2.60	2.50	.....
1896..	2.60	5.35	1.92	0.46	1.66	2.82	4.91	1.85	3.94	1.41	2.60	1.50	31.02
1897..	1.40	1.00	2.70	2.10	2.55	2.10	2.20	0.20	1.00	0.60	2.20	1.80	19.85
1898..	2.85	1.40	0.15	1.80	2.63	2.40	2.10	4.56	1.55	3.00	1.74	1.60	25.78
1899..	1.20	0.65	1.40	1.50	3.06	0.02	3.07	0.05	1.74	0.24	1.20	3.22	17.34
1900..	1.68	1.00	3.20	....	....	....	....	....	....	....	....	....	.....
Mean	2.04	2.23	1.81	2.16	3.21	2.82	2.43	3.01	2.34	1.94	1.92	2,23	28.14

HEMLOCK LAKE, LIVINGSTON COUNTY, N. Y.

1898..	.....	.....	.....	.....	.....	3.52	2.57	4.86	2.43	3.56	2.56	2.24	.....
1899..	0.79	0.73	1.03	1.15	2.72	1.34	4.36	0.95	2.45	1.93	1.24	3.77	22.49
1900..	2.00	1.64	3.26	1.70	2.00	1.07	3.79	1.99	1.49	3.45	3.34	1.73	27.46
1901..	1.20	1.10	0.85	5.65	4.28	1.90	2.67	5.01	3.34	1.22	1.78	2.01	30.41
1902..	1.41	2.15	1.53	2.36	2.28	4.63	8.73	1.48	2.27	2.68	1.21	1.75	32.48
1903..	1.92	2.43	3.89	2.60	0.53	6.32	4.19	6.02	1.57	2.89	1.56	0.78	34.70
1904..	2.90	1.25	3.35	2.32	4.55	3.85	5.02	2.17	2.45	1.92	0.31	1.93	32.05
1905..	2.20	0.50	1.54	2.65	2.42	4.82	4.62	1.74	1.22	2.77	1.00	2.45	27.93
1906..	0.39	0.52	2.25	1.19	4.08	2.73	4.31	4.44	2.89	3.31	2.15	1.11	29.37
1907..	1.61	0.32	1.13	2.72	1.93	3.01	2.09	0.77	3.67	3.36	2.80	3.03	25.44
1908..	1.27	0.72	1.65	2.94	2.97	5.63	4.34	2.70	1.03	1.03	0.95	0.54	25.77
1909..	1.89	0.84	0.74	2.90	1.73	0.84	2.44	1.35	1.66	2.01	1.37	0.33	18.10
Mean	1.60	1.11	1.93	2.56	2.68	3.30	4.04	2.79	2.21	2.51	1.69	1.81	28.23

SCOTTSVILLE, MONROE COUNTY, N. Y.

1890..	......	......	......	......	......	......	......	2.60	......	3.75	2.93	......	.....
1891..	......	......	......	......	1.60	2.10	......	......	......	......	......	......	.....
1894..	......	......	......	3.45	6.50	2.05	3.35	3.33	3.36	3.28	......	......	.....
1895..	......	......	......	1.78	3.25	1.88	2.10	4.83	2.01	1.26	......	......	.....
1896..	......	......	......	0.90	1.44	3.08	4.24	2.44	3.36	0.59	......	......	.....
1897..	......	......	......	1.98	1.89	3.15	6.58	0.83	1.37	0.68	3.86	......	.....
1898..	......	......	......	1.88	3.46	1.07	1.05	4.16	4.00	3.08	......	......	.....
1899..	......	......	......	......	3.42	1.76	3.54	0.24	2.89	2.03	......	......	.....
1900..	......	......	......	1.62	1.52	1.95	5.05	2.68	1.67	4.29	......	......	.....
1901..	......	......	......	4.98	2.89	2.99	4.23	4.80	3.29	1.37	1.08	......	.....
1902..	......	......	......	2.77	1.93	4.06	6.67	1.78	2.01	2.29	......	......	.....
1903..	......	......	......	3.15	0.43	3.53	3.63	5.01	1.14	1.60	......	......	.....
1904..	......	......	......	2.98	4.26	2.38	5.14	2.68	3.44	1.61	0.33	......	.....
1906..	......	......	......	......	......	......	2.78	3.79	3.87	5.88	......	......	.....
1908..	......	......	......	......	......	4.29	5.12	1.38	1.36	0.98	......	......	.....
1909..	......	......	......	......	3.83	1.51	4.28	1.94	3.44	1.27	1.34	......	.....
Mean	......	......	......	2.55	2.80	2.56	4.13	2.83	2.66	2.26	1.91	......	.....

AVON, LIVINGSTON COUNTY, N. Y.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1890..	......	......	......	......	4.45	3.49	3.05	3.13	6.58	4.46	2.56	1.06	.....
1891..	1.99	2.88	1.76	1.13	1.63	3.67	3.94	3.03	1.42	2.45	1.50	3.95	29.37
1892..	2.14	2.45	0.63	0.70	4.08	7.77	2.53	4.61	1.16	1.42	3.27	0.63	31.44
1893..	0.55	2.86	2.62	2.18	4.00	1.02	......	......	......	......	......	......	.....
1895..	......	......	......	......	......	......	......	......	1.81	0.46	3.58	2.58	.....
1896..	1.97	5.30	3.23	1.05	1.98	1.97	4.87	3.92	3.82	1.48	1.82	0.78	32.19
1897..	1.97	0.64	1.87	1.21	1.75	1.96	4.08	0.90	1.42	0.72	2.19	1.65	20.36
1898..	1.98	1.51	1.93	1.46	2.27	3.73	2.09	4.90	3.12	4.76	2.72	1.33	31.80
1899..	1.44	0.80	1.83	1.39	2.62	0.84	2.26	0.59	2.85	2.04	1.27	1.92	19.35
1900..	2.74	1.99	2.72	1.10	1.41	1.23	3.40	2.52	1.77	4.06	3.92	1.56	28.42
1901..	1.68	1.21	2.14	5.52	1.78	2.24	3.23	4.52	2.63	2.16	1.27	3.54	31.92
1902..	1.33	1.22	1.58	2.23	2.06	3.75	6.66	1.95	1.72	2.36	1.25	1.41	27.52
1903..	1.83	1.57	3.18	3.33	0.45	4.03	2.19	7.07	1.19	2.20	1.56	1.36	29.96
1904..	2.65	2.46	2.30	2.37	3.94	1.68	7.23	2.26	5.42	1.56	0.39	1.89	34.20
1905..	2.27	0.49	1.43	2.08	2.75	6.07	3.37	3.20	1.51	2.71	1.25	2.49	29.62
1906..	0.86	0.43	1.26	1.79	3.08	5.09	4.80	4.24	4.31	5.72	2.21	1.70	35.47
1907..	2.58	0.78	1.07	3.23	2.94	2.44	1.45	1.57	3.05	3.70	2.19	2.90	27.90
1908..	1.43	1.43	1.41	2.69	3.67	3.77	5.12	1.81	1.34	0.99	1.87	0.61	26.14
1909..	2.61	2.06	1.34	1.83	3.88	1.59	3.52	0.57	1.89	1.91	1.61	1.48	23.79
Mean	1.88	1.77	1.87	2.08	2.68	3.13	3.76	2.99	2.61	2.51	2.02	1.83	29.13

LEROY, GENESEE COUNTY, N. Y.

1884..	......	......	......	......	2.43	1.91	3.33	3.07	2.22	1.77	1.92	2.18	.....
1885..	2.53	1.49	0.83	3.20	2.78	5.08	2.70	4.85	3.54	2.81	2.39	3.23	35.43
1886..	1.98	2.02	2.24	4.22	3.62	2.81	......	......	3.34	1.74	5.32	0.88	....
1887..	2.52	3.42	1.74	2.25	2.10	2.69	......	2.83	1.62	1.71	2.03	1.90	..
1888..	2.67	1.08	1.41	2.21	1.64	4.05	1.59	4.59	2.34	4.07	2.62	1.65	29.92
1889..	3.59	1.73	1.27	3.11	2.32	......	......	......	......	......	......	......	.....
1890..	......	3.45	3.91	......	......	2.77	3.23	3.32	5.40	4.12	3.08	5.22	....
1891..	4.12	7.10	7.40	2.22	1.95	4.95	6.10	5.33	1.71	1.44	3.40	3.84	49.57
1892..	6.80	5.33	4.52	1.47	4.91	4.91	3.40	3.95	1.17	1.60	4.33	3.26	45.65
1893..	3.95	6.86	3.90	3.82	6.13	0.50	3.67	4.89	4.33	2.34	1.75	6.43	48.57
1894..	4.91	6.66	2.32	4.96	6.94	3.41	2.22	0.96	2.72	3.62	2.18	3.34	44.24
1895..	5.82	4.55	2.40	2.73	3.06	3.63	1.93	1.65	1.90	2.04	2.89	3.40	36.00
1904..	2.99	2.80	2.94	5.18	3.19	2.54	3.60	2.50	5.06	1.87	0.62	2.81	36.10
1905..	4.04	1.76	1.89	2.25	2.49	5.48	3.51	2.24	1.34	2.73	1.84	2.11	31.68
1906..	1.47	0.93	2.99	1.87	2.27	3.07	2.46	3.21	5.63	5.57	2.39	2.76	31.62
1907..	2.69	0.86	1.59	2.90	3.26	3.58	2.66	1.19	4.22	3.37	3.01	3.69	33.01
1908..	2.18	2.49	2.76	3.49	3.52	2.95	3.79	1.79	1.50	0.78	1.40	1.54	28.20
1909..	2.96	3.52	2.30	3.65	3.93	1.51	4.46	1.24	2.61	2.37	1.34	2.08	31.97
Mean	3.45	3.30	2.73	3.10	3.33	3.29	3.24	2.98	2.98	2.58	2.50	2.95	36.44

ROCHESTER, MONROE COUNTY, N. Y.

1829..	2.40	2.05	1.35	2.48	4.90	3.40	4.20	3.56	1.19	0.56	2.82	1.18	30.09
1830..	1.68	0.22	3.42	1.32	3.51	8.35	1.99	1.91	3.93	1.04	4.70	2.12	34.19
1831..	1.80	4.30	1.85	4.00	2.85	3.40	5.40	1.20	2.40	4.20	1.90	1.30	34.60
1832..	2.40	3.20	1.75	1.50	4.30	1.20	4.00	2.00	1.70	2.30	3.40	3.70	31.45
1833..	2.50	3.50	0.80	1.90	6.10	2.60	3.80	2.00	1.50	1.50	1.80	2.30	30.30
1834..	0.11	0.73	0.78	1.60	0.91	1.61	1.45	1.38	1.89	4.06	1.99	0.53	17.04
1835..	1.15	0.81	0.60	4.46	0.79	5.49	1.83	3.57	2.63	4.56	2.25	0.46	28.60
1836..	2.40	0.59	0.55	1.70	6.12	2.77	2.74	1.29	2.30	2.66	3.25	1.58	27.95
1837..	0.16	2.50	3.00	0.50	2.82	2.58	1.11	3.72	2.34	5.10	4.16	2.62	30.61
1838..	1.70	1.70	1.24	2.14	4.91	1.33	3.04	2.59	0.87	3.20	1.68	1.06	25.46
1839..	2.40	2.05	1.35	2.48	4.90	3.40	4.20	3.56	1.19	0.53	2.82	1.18	30.09
1840..	1.16	1.37	1.40	2.22	4.13	2.63	3.11	4.09	2.81	2.83	1.71	1.93	29.39
1841..	2.13	0.21	3.55	3.27	1.17	1.29	4.58	1.60	6.14	1.21	4.65	2.53	32.33
1842..	1.13	2.12	2.89	2.48	2.18	3.66	3.69	1.42	5.19	2.20	3.43	2.80	33.19
1843..	2.79	2.62	2.09	2.22	1.83	2.93	2.12	1.70	5.52	4.42	1.07	1.90	31.21
1844..	2.21	0.37	1.14	0.72	4.18	3.19	3.30	1.74	0.68	4.81	2.19	1.64	26.17
1845..	3.51	2.01	2.62	2.49	2.65	4.48	2.75	2.77	4.32	2.84	2.53	1.42	34.44
1846..	2.18	2.92	1.53	1.18	2.34	4.93	2.49	3.85	2.76	6.79	3.61	2.52	37.12
1847..	3.01	3.71	0.92	2.65	1.73	2.65	2.05	5.27	4.25	4.94	3.65	1.31	36.14
1848..	2.25	1.04	1.77	0.78	4.48	2.18	6.16	2.78	2.96	1.77	1.80	4.11	32.03
1849..	1.39	1.29	2.35	1.44	3.81	4.33	0.94	3.62	3.91	4.17	3.31	2.31	32.87
1850..	3.03	1.95	1.70	2.56	2.87	1.84	5.97	1.93	2.95	5.03	3.35	5.28	38.49
1851..	1.36	2.00	1.38	1.16	2.21	2.15	3.58	1.54	1.13	2.14	3.62	2.70	24.97
1852..	1.57	2.08	3.21	4.33	2.03	4.37	4.09	1.33	2.97	3.88	2.85	2.40	35.16
1853..	2.47	2.87	2.30	3.24	4.53	1.43	1.00	2.01	6.83	1.70	2.34	1.72	32.52
1854..	1.81	2.86	1.07	2.43	2.15	5.47	0.25	1.83	5.19	1.63	1.43	3.25	29.42
1855..	3.33	1.46	1.49	2.05	1.96	5.55	5.27	2.63	1.80	4.84	1.06	2.49	33.93
1856..	3.10	1.56	3.37	2.85	3.11	1.46	1.98	2.70	3.53	1.05	1.67	2.61	28.99
1857..	1.97	3.60	2.66	6.13	3.89	5.52	3.80	2.88	2.41	4.07	4.34	3.98	45.25
1858..	1.58	2.38	1.47	2.85	3.44	3.40	4.66	2.88	3.19	0.86	5.78	3.48	35.97
1859..	1.37	1.07	2.49	4.03	2.71	1.17	4.16	5.15	2.86	1.21	1.93	4.46	32.60
1860..	1.09	1.35	1.64	1.79	1.41	2.38	4.50	2.50	3.52	4.71	3.35	1.53	29.77
1861..	2.48	2.98	2.13	3.25	3.88	1.37	5.11	2.50	6.09	2.81	1.58	1.38	35.56
1862..	4.51	2.82	5.15	2.13	2.05	4.44	4.13	2.22	2.36	3.98	2.46	2.34	38.59
1863..	2.23	2.44	1.49	2.79	1.86	1.37	5.03	3.70	1.51	2.97	2.97	1.98	30.34
1864..	2.91	1.18	3.44	3.23	6.54	1.57	1.66	5.49	1.83	5.51	2.66	4.82	40.84
1865..	2.83	1.74	3.17	3.03	3.30	5.43	1.47	1.04	4.33	4.29	1.70	2.98	35.31
1866..	1.48	2.39	2.71	3.15	2.90	3.90	1.36	4.91	4.11	1.24	3.29	4.42	35.86
1867..	2.68	3.01	2.08	2.93	5.69	1.40	3.55	0.72	2.28	1.92	2.50	2.90	31.66
1868..	1.45	1.59	4.38	1.81	6.36	2.67	0.68	3.22	7.41	1.67	4.42	3.36	39.22
1869..	1.35	4.13	2.13	1.49	2.56	6.62	4.05	4.60	5.11	2.83	3.53	2.92	41.33
1870..	3.40	3.38	4.66	2.75	0.79	2.93	4.72	3.26	5.01	2.34	2.22	4.12	39.61
1871..	1.93	3.25	3.80	3.59	1.68	4.60	3.49	6.05	0.51	2.50	3.10	1.82	36.32
1872..	2.40	1.28	2.50	2.15	2.18	5.35	2.56	1.89	1.72	8.14	2.07	4.05	36.29
1873..	3.33	1.52	7.02	4.71	3.52	1.86	5.44	3.01	2.97	8.67	3.24	4.60	49.89
1874..	5.47	3.35	2.90	4.99	2.98	2.75	4.37	0.84	2.73	2.17	2.07	1.00	35.62
1875..	1.19	1.21	1.92	1.99	2.76	3.33	2.12	5.08	2.87	2.41	2.14	2.91	29.93
1876..	4.27	5.40	3.89	1.99	1.55	3.33	4.59	0.36	5.69	1.26	1.77	1.72	35.82
1877..	3.10	0.46	3.55	2.67	1.20	3.16	4.42	2.98	2.31	3.06	5.46	1.75	34.12
1878..	8.05	4.84	4.89	3.71	2.25	1.69	3.72	3.24	1.35	3.83	5.07	6.17	48.81
1879..	3.53	3.27	2.53	1.44	1.35	3.73	4.61	3.47	2.80	0.67	4.47	3.35	35.22

ROCHESTER, MONROE COUNTY, N. Y.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1880..	2.07	3.82	2.57	2.12	5.54	2.45	3.49	5.53	2.72	5.31	3.19	2.99	41.80
1881..	4.68	2.86	5.33	1.15	5.86	3.20	2.20	1.44	1.82	3.63	1.96	4.11	38.24
1882..	2.04	1.25	1.74	2.18	5.57	2.50	1.17	2.73	0.82	0.62	2.01	2.10	24.73
1883..	0.94	2.28	1.65	1.61	6.53	....	....	....	....	....	2.03	2.33	.....
1884..	5.13	1.94	3.30	0.94	2.28	4.32	3.03	2.52	1.90	1.87	1.32	2.62	31.17
1885..	2.12	1.54	0.93	2.96	2.02	4.27	2.74	2.20	2.49	2.66	2.10	2.25	28.31
1886..	2.58	2.18	2.85	4.05	2.98	2.33	1.07	7.26	2.90	2.30	4.45	1.89	36.84
1887..	1.34	4.75	0.94	2.51	1.17	1.51	1.90	1.59	0.90	1.31	0.80	1.58	20.30
1888..	1.87	0.85	2.34	1.22	1.79	4.69	1.12	3.61	2.19	3.22	2.86	2.00	27.76
1889..	3.33	2.41	1.78	2.84	2.36	5.36	3.08	1.12	2.21	4.02	4.62	2.57	35.70
1890..	4.83	3.59	2.99	2.17	6.00	2.66	1.62	2.31	5.13	4.77	4.05	2.97	43.09
1891..	3.75	4.17	4.44	1.89	1.12	1.56	3.62	3.01	1.41	2.36	2.46	3.85	33.64
1892..	2.73	2.77	2.44	1.12	4.84	6.68	3.21	3.52	1.55	0.78	3.61	1.77	35.02
1893..	1.50	3.31	1.81	3.97	5.69	0.94	2.87	5.61	2.20	1.83	1.93	3.84	35.50
1894..	3.27	3.41	1.84	2.03	6.87	3.43	2.92	0.70	2.63	2.86	1.65	3.50	35.11
1895..	3.12	2.50	1.56	2.04	3.44	1.56	1.88	3.40	2.38	1.38	3.39	3.77	30.42
1896..	3.38	5.37	6.32	1.09	1.64	2.80	4.75	2.71	3.50	0.58	2.49	2.21	36.84
1897..	2.47	2.31	3.14	1.63	1.33	2.62	6.37	1.72	0.46	0.97	3.71	3.39	30.12
1898..	5.24	3.08	2.34	1.72	2.94	0.89	2.03	5.05	3.36	4.30	3.54	3.01	37.50
1899..	2.54	2.88	3.47	1.66	2.81	1.95	1.96	0.56	2.54	2.07	1.04	3.78	26.76
1900..	4.31	4.44	5.44	1.68	1.31	2.43	3.98	2.03	1.93	3.16	4.45	2.96	38.12
1901..	3.83	3.69	3.75	4.06	3.06	2.46	2.87	2.19	3.08	1.41	2.63	4.17	37.20
1902..	2.50	2.51	1.48	2.48	1.67	4.08	4.43	1.90	1.99	2.22	1.01	3.46	29.73
1903..	2.54	2.62	3.88	2.81	0.53	3.66	2.55	3.48	1.11	2.93	1.50	1.83	29.44
1904..	3.39	2.65	2.93	3.50	3.86	2.71	4.20	2.56	3.95	2.02	0.33	2.46	34.56
1905..	2.80	1.91	1.23	1.76	2.05	6.06	3.82	5.26	1.17	3.16	1.43	2.85	33.50
1906..	1.34	0.68	2.90	1.88	1.35	3.97	2.35	2.31	2.27	6.02	2.22	2.45	29.74
1907..	2.74	1.45	1.52	2.00	2.84	1.11	2.00	1.25	3.14	3.21	3.42	2.92	27.60
1908..	2.27	2.44	3.14	2.38	2.47	3.64	4.56	1.18	1.73	1.28	1.25	1.15	27.49
1909..	2.82	2.91	2.41	3.54	3.95	0.91	3.49	1.70	1.86	2.79	1.40	1.72	29.50
Mean	2.58	2.40	2.55	2.44	3.11	3.15	3.21	2.78	2.81	2.93	2.72	2.66	33.34

CHARLOTTE, MONROE COUNTY, N. Y.

1859..	......	......	......	......	......	......	2.20	4.30	2.66	1.01	2.07	1.35	.....
1860..	0.86	1.26	1.19	1.38	1.37	2.27	4.67	1.93	3.15	3.79	2.42	1.25	25.54
1861..	1.60	1.94	2.18	2.28	3.67	1.52	4.62	3.76	5.93	2.54	1.78	1.60	33.42
1862..	1.71	1.70	2.74	2.98	1.73	3.26	3.17	2.02	1.75	3.19	3.22	1.97	29.44
1863..	1.74	2.33	1.04	2.18	1.44	1.88	4.60	1.88	1.29	1.92	2.75	1.78	24.83
1864..	2.12	1.38	3.32	2.69	6.05	0.61	1.43	4.61	1.18	5.73	2.75	3.23	35.10
1865..	2.42	1.17	8.85	3.05	3.17	3.40	1.46	1.17	3.16	4.70	2.14	1.94	31.63
1866..	1.68	2.28	1.66	2.32	2.99	4.10	1.02	3.93	3.97	1.34	3.35	3.59	32.23
1867..	2.63	3.13	1.81	2.82	3.98	0.84	2.44	0.43	2.03	1.77	0.65	1.73	24.26
1871..	1.60	1.43	1.76	2.40	1.16	3.40	2.73	4.42	0.56	1.59	3.26	1.71	26.02
Mean	1.82	1.85	2.17	2.46	2.84	2.36	2.83	2.84	2.57	2.76	2.44	2.02	28.96

AVERAGE NUMBER OF DAYS WITH .01 OR MORE OF PRECIPITATION.

Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
Angelica	19	13	11	13	12	14	12	13	13	10	11	11	11	144
Appleton	18	13	11	11	9	11	10	11	9	8	10	13	12	128
Avon	13	9	7	8	9	9	9	11	7	8	10	8	10	105
Buffalo	33	19	17	16	12	13	11	11	10	11	13	19	18	170
Franklinville	12	17	14	13	13	12	12	14	10	10	12	13	15	155
Jamestown	7	16	15	14	13	13	13	12	10	10	11	14	15	156
Lyndonville	7	9	10	7	7	7	10	9	6	5	7	9	9	95
Rochester	33	21	18	18	13	14	11	12	12	11	13	16	19	178
South Canisteo	20	12	10	12	12	12	11	12	10	9	11	11	10	132

DIRECTION OF PREVAILING WIND.

Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October	November	December.	Annual.
Buffalo	33	w	sw	sw	sw	sw	sw	sw	sw	sw	sw	w	w	sw
Rochester	33	sw	sw	nw	nw	sw	sw	sw	sw	sw	sw	sw	sw	sw
South Caniateo	20	nw	nw	nw	nw	nw	w	w	w	w	nw	nw	nw	nw

MEAN TEMPERATURE.

Station.	Years record.	January.	February.	Mareh.	April.	May.	June.	July.	August.	September	October	November	December.	Annual.
Angelica	23	22.7	21.2	30.5	43.1	54.6	64.1	67.8	65.0	59.1	46.9	36.0	25.9	44.7
Appleton	19	26.0	23.3	32.4	43.8	54.6	64.6	69.7	67.3	62.0	50.0	39.4	29.6	46.9
Avon	13	23.2	21.4	34.4	44.2	56.8	65.4	71.1	67.5	62.1	50.1	38.1	27.5	46.8
Buffalo	58	25.2	24.2	31.3	42.5	54.1	64.7	70.1	68.8	62.2	50.3	38.7	29.0	46.8
Franklinville	12	21.5	18.8	32.3	42.0	54.1	62.4	67.9	65.1	60.0	49.0	36.6	24.9	44.6
Jamestown	13	27.0	23.1	34.3	44.9	56.9	64.9	69.8	67.4	61.9	50.5	38.6	27.5	47.2
Middlebury	19	26.3	26.3	33.4	45.6	56.1	63.9	68.8	66.9	59.1	48.0	37.2	29.2	46.8
Rochester	38	24.0	23.9	31.3	43.9	56.7	66.1	70.4	68.3	61.9	50.8	37.9	28.9	47.0
South Canisteo	19	23.3	22.2	31.7	43.2	55.4	63.7	67.4	65.4	59.9	48.4	36.9	26.9	45.4

HIGHEST TEMPERATURES BY MONTHS.

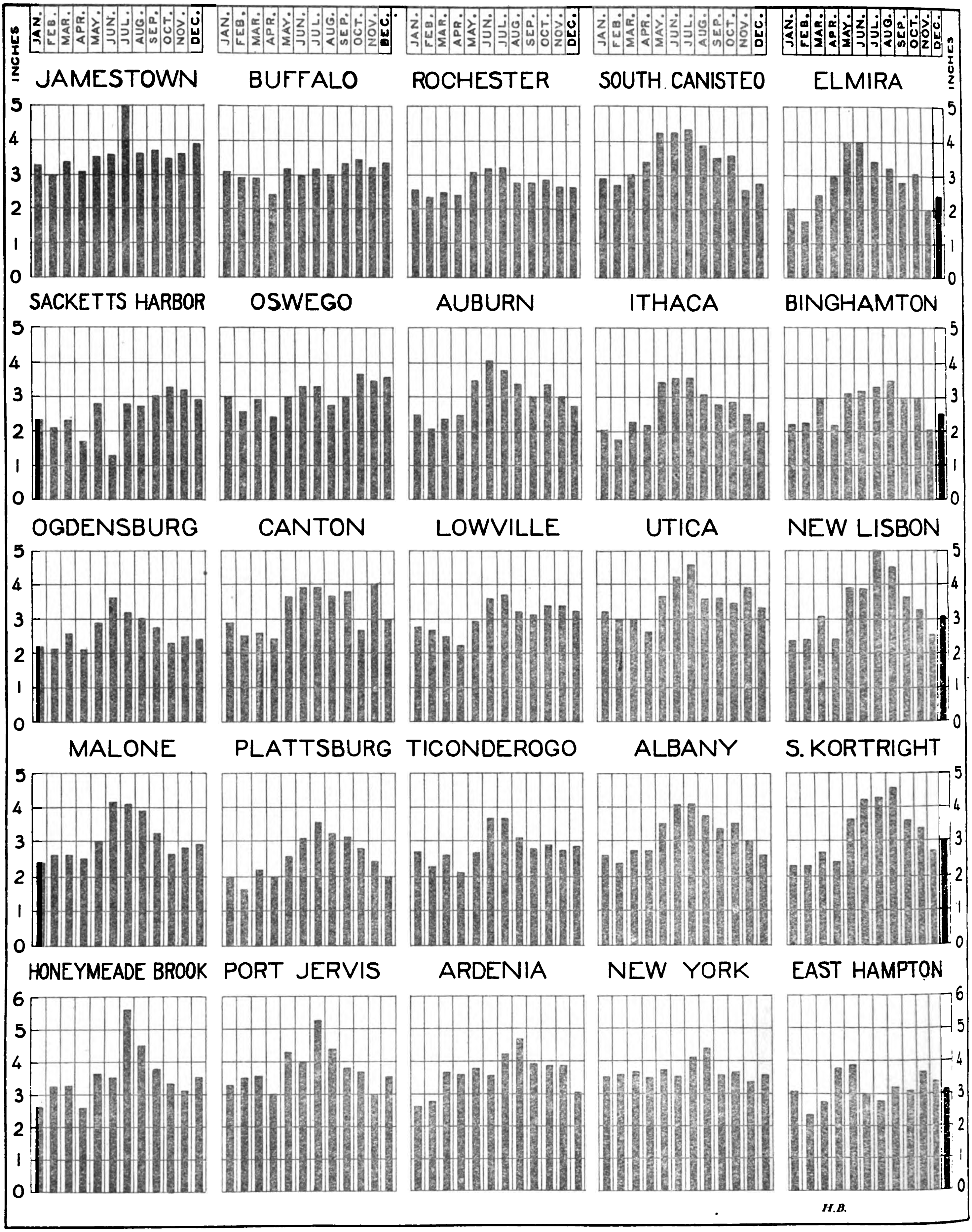
Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
Angelica	18	63	62	80	85	91	93	95	94	91	85	72	60	95
Appleton	18	70	69	79	84	94	95	98	97	96	88	72	66	98
Avon	13	68	67	81	87	89	95	102	97	95	89	73	64	102
Buffalo	38	70	67	79	84	89	93	95	94	95	86	70	64	95
Franklinville	10	68	66	80	85	92	95	93	95	90	86	69	61	95
Jamestown	12	72	77	82	86	88	90	95	91	89	85	70	62	95
Middlebury	18	65	70	84	88	96	97	100	99	90	88	78	75	100
Rochester	24	71	70	86	90	93	95	99	95	99	87	73	63	99
South Canisteo	10	68	65	80	87	90	91	94	94	93	88	74	62	94

LOWEST TEMPERATURES BY MONTHS.

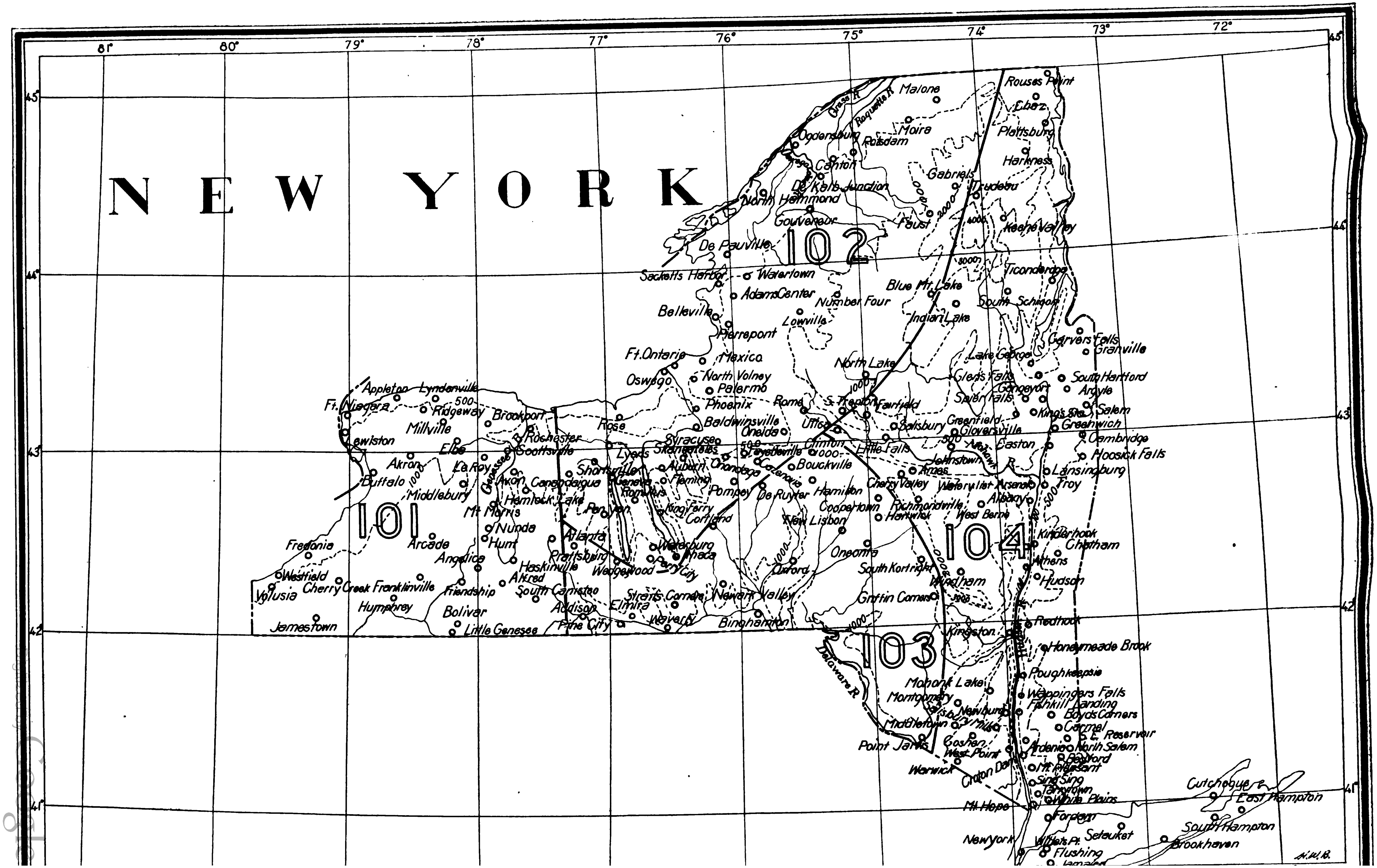
Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
Angelica	18	-38	-27	-14	6	18	29	35	31	25	15	-3	-26	-38
Appleton	18	-13	-12	-7	16	26	32	40	41	31	22	12	-2	-13
Avon	13	-25	-18	-10	13	21	33	37	38	28	14	0	-8	-25
Buffalo	38	-14	-13	-4	11	28	39	47	44	35	24	2	-9	-14
Franklinville	10	-34	-26	-16	12	19	30	36	33	21	14	-4	-22	-34
Jamestown	12	-31	-17	-10	12	22	34	42	36	24	17	-6	-12	-31
Middlebury	18	-15	-20	-17	4	17	25	40	32	23	14	7	-17	-20
Rochester	24	-14	-11	-7	18	29	39	45	44	34	23	10	-4	-14
South Canisteo	10	-26	-23	-12	14	18	30	36	34	25	16	-2	-12	-26

FROST DATA.

Station.	No. years record.	Average dates of killing frosts.		Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
		Last in spring.	First in autumn.		
Angelica	9	May 21	Sept. 23	Aug. 19	June 13
Appleton	10	May 2	Oct. 15	Oct. 2	May 12
Avon	10	May 17	Oct. 4	Sept. 15	May 31
Buffalo	37	Apr. 26	Oct. 16	Sept. 23	May 25
Franklinville	9	May 26	Sept. 27	Sept. 14	June 12
Jamestown	8	May 12	Oct. 1	Sept. 15	May 29
Rochester	38	May 1	Oct. 19	Sept. 26	May 30
South Canisteo	10	ay 21	Sept. 20	Aug. 19	June 12



Diagrams showing the comparative monthly distribution of precipitation.


NEW YORK
81°
80°
79°
78°
77°
76°
75°
74°
73°
72°
45°
44°
43°
42°
41°
101
102
103
104
Malone
Rouses Point
Eberz
Plattsburg
Moira
Potsdam
Ogdensburg
Grass R.
Raquette R.
Harkness
Canton
Gabriels
Trudeau
De Kalb Junction
North Hammond
Gouverneur
Faust
Keene Valley
De Pauville
Sacketts Harbor
Watertown
Adams Center
Ticonderoga
Blue Mt. Lake
South Schroon
Number Four
Belleville
Lowville
Indian Lake
Pierrepont
Garvers Falls
Granville
Ft. Ontario
Mexico
Lake George
North Lake
Glens Falls
South Hartford
Argyle
Oswego
North Volney
Palermo
Gansevoort
Spier Falls
Kings Sta.
Salem
Greenwich
Appleton
Lyndonville
Ft. Niagara
Ridgeway
Brookport
Phoenix
Rome
S. Trenton
Fairfield
Millville
Baldwinsville
Utica
Salisbury
Greenfield
Gloversville
Cambridge
Lewiston
Rochester
Rose
Oneida
Clinton
Little Falls
Easton
Hoosick Falls
Elba
Scottsville
Syracuse
Skaneateles
Fayetteville
Mohawk R.
Akron
Le Roy
Lyons
Johnstown
Lansingburg
Buffalo
Genesee R.
Avon
Canandaigua
Shortsville
Auburn
Onondaga
Cazenovia
Bouckville
Amsterdam
Amsterdam
Troy
Middlebury
Hemlock Lake
Geneva
Romulus
Fleming
Pompey
De Ruyter
Hamilton
Cherry Valley
Watervliet Arsenal
Albany
Mt. Morris
Penn Yan
King Ferry
Cortland
Cooperstown
Richmondville
Hartwick
West Berne
Nunda
Atlanta
New Lisbon
Kinderhook
Chatham
Fredonia
Arcade
Hunt
Watkins
Ithaca
Oneonta
Angelica
Prattsburg
Wedgewood
Perry City
Oxford
Athens
Westfield
Haskinville
Alfred
South Kortright
Windham
Hudson
Volusia
Cherry Creek
Franklinville
Friendship
South Canisteo
Straits Corners
Newark Valley
Griffin Corners
Humphrey
Bolivar
Addison
Elmira
Redhook
Jamestown
Little Genesee
Pine City
Waverly
Binghamton
Kingston
Honeymeade Brook
Delaware R.
Hudson R.
Poughkeepsie
Mohonk Lake
Wappingers Falls
Montgomery
Fishkill Landing
Newburg
Boyds Corners
Salisbury Mills
Middletown
Carmel
E. Reservoir
Point Jervis
Goshen
Ardenia
North Salem
West Point
Bedford
Warwick
Croton Dam
Mt. Pleasant
Sing Sing
Tarrytown
White Plains
Cutchogue
East Hampton
Mt. Hope
Fordham
South Hampton
New York
Willets Pt.
Setauket
Brookhaven
Flushing
Jamaica
500
1000
2000
3000
4000
N.W.B.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, Prof. Frank H. Bigelow, in Charge.

SECTION 102—CENTRAL NEW YORK.

Climatological section No. 102 includes that part of New York lying east of a line drawn south from Lake Ontario along the east boundary of Monroe County to the north line of Steuben County and north of a somewhat irregular line that marks the ridge, or watershed, between the streams that flow southward into the Atlantic Ocean and those that flow northward into Lake Ontario and the St. Lawrence River west of the Champlain Valley.

A general description of the drainage systems of this section will be found under Hydrograpic Data, by Mr. R. H. Bolster, Assistant Engineer, U. S. Geological Survey, forming a part of this summary.

For information as to the character of the climatological data upon which the accompanying tables are based and for a brief historical account of the meteorological work done in New York since 1826, reference is here made to the text accompanying summary for Section No. 101.

CLIMATIC CHARACTERISTICS.

The climate of this section, which is mainly of the continental type, is modified by its varied topography and the proximity of the Great Lakes. The Adirondack Mountains, the main ridge of which, rising to a height of 3,000 to 5,000 feet above sea level, forms the eastern boundary of the section, present peculiar climatic features not found elsewhere in the State; the proximity of Lake Ontario, which borders the section on the north and west, exerts a modifying influence on the climate for a considerable distance inland, while the climatic conditions of the interior are probably more or less influenced by the numerous bodies of water, known as the Central New York Lakes.

This diversity of climate, resulting from these varied topographical features, is intensified by the geographical position of the section, which places it in the path of storms that cross the Great Lakes and move down the St. Lawrence Valley. The sudden and at times extreme changes, brought about by the passage of these storms, many of which during the winter season are attended by severe cold waves, are characteristic of the climatic conditions for the entire section.

For the purpose of comparison the section may be divided into three districts: the central lakes region, the Adirondack Mountains, and the region bordering on Lake Ontario, each of which possesses some distinct climatic features.

CENTRAL LAKES REGION.

The Central Lakes Region is a somewhat circular basin lying between the watersheds of the Salmon and Mohawk rivers on the east, the watershed of the Genesee River on the west, and that of the Susquehanna on the south. It is drained by the Oswego River, which is formed by the junction of the Seneca and Oneida rivers. The Seneca River drains nine lakes, viz.: Canandaigua, Keuka, Seneca, Cayuga, Owasco, Skaneateles, Otisco, Cross, and Onondaga, which, with various small ponds and marshes, have a total water surface of 304 square miles. The Oneida River drains Cazenovia and Oneida lakes, which, including marsh lands, have a water surface of about 218 square miles, making the total water area in this region about 522 square miles. While the presence of this water area does not appreciably modify the general climatic conditions of the region as a whole, the local influence of individual lakes is quite noticeable, especially when considered in connection with the prevailing direction of the wind. A comparative study of the temperature conditions of Ithaca, located at the south end of Cayuga Lake, with those of Geneva at the north end of Seneca Lake, was made several years ago by Dr. W. D. Wilson of Hobart College. This comparison showed that during the winter season, when the prevailing winds were northerly and thus traversed the length of Cayuga Lake before reaching Ithaca, the mean temperature at Ithaca was 3.3° above that of Geneva. During the summer season the difference was not so great, but sufficient to show that even comparatively small bodies of water affect the climate in the immediate vicinity.

The average temperature of this region is about 47° or nearly that of the section bordering on the south shore of Lake Ontario, and ranges from 71° in July to about 23° in January and February. The highest temperatures occur generally in July and August and frequently reach 95° and occasionally 98° or 100°. Temperatures of 90° or above occur from May to September, inclusive. January and February are the coldest months with extreme temperatures ranging from 10° to 20° below zero. Temperatures of zero or below have been recorded from November to March, inclusive.

The season between the last killing frost in the spring and the first of the fall averages about 160 days, the average date of the last spring frost being May 4th and first fall frost October 11th. These dates represent average conditions over a large area, and as the occurrence of frost is largely influenced by local topography, there is a wide variation from the average date in different localities.

The annual precipitation for this region averages about 36 inches, and ranges from about 20 inches in the driest years to about 48 inches in the wettest years. As a rule the precipitation is greater during the summer months than during other parts of the year.

The annual snowfall averages about 62 inches.

NIGHT WIND ON CAYUGA LAKE.

The diversified topography of this region, with its numerous deep valleys, hills, and lakes, results in many local climatic peculiarities, among the most interesting of which is the "Night wind" of Cayuga Lake.

Cayuga is about 40 miles long, from 2 to 3 miles wide, and trends north and south. It occupies a deep cut and the shores at the southern end are precipitous. The night wind is purely a local phenomenon and occurs during the summer months when settled weather prevails and the absence of general cyclonic disturbances give full play to the local influences. It usually sets in two or three hours after sunset, first as a light breeze, but gradually gains strength until a velocity of about 8 miles per hour is reached. The current has its origin on the hillsides at the southern end of the lake and flows northward down the channels of the two principal streams that form the inlet, converging in the main depression at the head of the lake. The flow of the current of air, as it moves northward over the level surface of the lake, is augmented by the cool currents which join the main stream through the numerous gorges and water courses that enter the valley from either side.

This system of winds is not peculiar to Cayuga Lake alone, but is met with wherever the proper topographical conditions exist. A night wind of considerable strength and regularity occurs in the Mohawk Valley near Utica and in many parts of Europe, especially in the mountainous districts, winds of this character are known. The night wind is simply air drainage on a large scale and results from the increased density of the air on the sloping hillsides, after the heat from the sun is withdrawn, and the action of gravity, which causes it to flow down the slopes, draining them of the cool air just as they are drained of water by the streams that flow down their sides.

LAKE ONTARIO REGION.

The modifying influence of Lake Ontario is noticeable, especially over that part of the section lying between the lake and the Adirondack Mountains. Here the prevailing westerly winds that traverse the entire length of Lake Ontario produce their maximum effect, tempering the heat of summer and the cold of winter, except when the lake is frozen over. As a result the springs are backward and cold, but the autumns comparatively warm. The winter season is severe owing to the frequency of storms and cold waves.

The average annual temperature ranges from about 46° along the lake shore to probably about 40° in the more elevated parts of the interior. The mean annual temperature of Watertown, which is situated a few miles from the eastern end of the lake, is 46°, while that of Lowville, in the Black River Valley, is 43° and that of Number Four, in the foothills of the Adirondack Mountains, is 41°.

The average annual precipitation along the lake shore is about 41 inches, which appears to be somewhat greater than that a few miles inland. There is, however, a rather remarkable increase in the annual amount as the elevation increases to the eastward of the Black River Valley, the annual fall at Lowville being 36.48 inches, while that of Number Four is 51.89 inches.

ADIRONDACK REGION.

The western slope of the Adirondack Mountains is included in this section, and while not so broken as the eastern slope, it is rugged, mostly covered with forest and is the source of the several important rivers that flow northward into the St. Lawrence or westward into Lake Ontario. Numerous small lakes occupy depressions between the mountains, adding much to the beauty of the scenery and affording recreation for the thousands who visit this famous pleasure ground annually. The summer climate is cool, dry, and healthful, but the winters are severe. The mean annual temperature of the region is about 40° and ranges from about 65° in July to about 18° in January and February. The elevation and the comparatively dry atmosphere combine to give high day temperatures, but the nights are decidedly cool, owing to the rapid loss of heat by radiation. During the summer months the maximum temperature frequently reaches 90° or above. Winter begins early and continues severe throughout the season, temperatures of 40° below zero being not uncommon in the more exposed localities.

The annual precipitation is about 40 inches over the highest part of the Adirondack region, but varies considerably in different localities. From the observations at hand it would seem that the annual amount is greater about half way up the western slope than elsewhere in this region, as indicated by the record made at Number Four, where the annual precipitation is a little over 50 inches. There is considerably less precipitation over the northern slope than over the mountain district proper, the average annual amount over the counties bordering on the St. Lawrence being about 35 inches.—WILFORD M. WILSON, *Section Director, Ithaca, N. Y.*

List of short or fragmentary records not published, but available on application to Local Office, Weather Bureau, Ithaca, N. Y.

SECTION NO. 102 ARRANGED BY COUNTIES.

County and station.	Length and character of record.
Cayuga:	
Ledyard	**Seven years, between 1827 and 1850. Good.**
Mintz	**Feb. to Oct., 1899. Fair.**
Sherwood	**Jan., 1896, to Feb., 1900. Good.**
Sennett	**1857. Good.**
Clinton:	
Lyon Mountain	**Oct., 1890, to Sept., 1893. Fragmentary.**
Cortland:	
Hower	**1856 and Mar., 1903, to Nov., 1904. Fragmentary.**
Franklin:	
Ampersand	**Parts of 1890, 1891, 1892, and 1893. Fair.**
Axton	**May, 1899, to Aug., 1903. Good.**
Cross Clearing	**See Axton.**
Hiawatha House	**Jan. and Feb., 1893. Fair.**
Tupper Lake Junction	**Began Feb., 1904. Good.**
Hamilton:	
Nehasane	**Nov., 1907, to date. Good.**
Raquette Lake	**Nov., 1907, to date. Good.**
Herkimer:	
Beaver River	**Mar., 1903, to May, 1904. Poor.**
Bisby Lodge	**Parts of 1892 and 1893. Poor.**
Old Forge	**Dec., 1907. to date. Good.**
Jefferson:	
Cape Vincent	**Feb., 1904, to date. Good.**
Carthage	**Mar. and Apr., 1893. Poor.**
Philadelphia	**May, 1907, to date. Good.**
Rodman	**June, 1873, to Dec., 1876. Fair.**
Smithville	**1854 to 1856. Good.**
Theresa	**1863 to 1868. Good.**
Lewis:	
Barnes Corners	**Parts of 1888 and 1889. Fair.**
Constableville	**June, 1889, to Jan., 1894. Fair.**
Houseville	**1854 to 1859 and 1865 to 1871. Good.**
Turin	**Dec., 1889, to May, 1896. Good.**
Madison:	
Brookfield	**Dec., 1889, to Oct., 1896. Good.**
Chittenango	**Oct. and Nov., 1890. Poor.**
Clockville	**May to Oct., 1903. Poor.**
Wampsville	**1854 to 1859. Good.**
Oneida:	
Boonville	**Parts of 1850 and 1852. Fair.**
Oriskany Falls	**Oct., 1905, to Aug., 1906. Good.**
Remsen	**Sept. to Nov, 1895. Good.**
Taberg	**Aug., 1905, to June, 1908. Good.**
Onondaga:	
Apulia	**Oct., 1890, to Apr., 1891. Good.**
Plainville	**Jan. to June, 1857. Good.**
Ontario:	
Hopewell	**Mar. to Oct., 1899. Poor.**
Victor	**July, 1891, to Apr., 1899. Very fragmentary.**
Oswego:	
Dempster	**Oct., 1890, to Mar., 1891. Fair.**
Fort Ontario	**1842 to 1874. Good. See Oswego.**
Fulton	**Mar., 1900, to Nov, 1901. Good.**
Richland	**May, 1904, to July, 1907. Fair.**
Sand Bank	**Oct., 1890, to Feb., 1891. Good.**
Schuyler:	
Hector	**Dec., 1874, to Feb., 1884. Good.**
Watkins	**May, 1897, to July, 1898. Good.**
Seneca:	
Lodi	**1854 to 1859. Good.**
Ovid	**1855 to 1858. Good.**
Seneca Falls	**1850 to 1853. Good.**
St. Lawrence:	
Benson Mines	**Dec., 1907, to Oct., 1909. Good.**
Madrid	**1854 to 1859 Good.**
Massena	**Parts of 1890, 1894, and 1895. Fair.**
Oswegatchie	**Mar., 1903, to Nov., 1906; part of 1907. Fair**
Somerville	**1849 to 1851. Good.**
Tompkins:	
Dryden	**Aug., 1896, to Oct., 1899. Fair**
Jacksonville	**May, 1873, to Aug., 1877. Good.**
McLean	**Oct. and Nov., 1890. Fair.**
Newfield	**Oct., 1892, to Aug. 1893. Poor.**
Renwick Park	**Jan. to May, 1895. Good.**
Trumansburg	**June, 1889, to Feb., 1891. Good.**
Wayne:	
South Butler	**Jan., 1903, to Feb., 1905. Poor.**
Palmyra	**1835; also June, 1889, to Sept, 1891. Good.**
Williamson	**Apr. to Oct., 1900. Good.**
Yates:	
Himrod	**1869 to 1871. Good.**
Keuka Park	**May, 1907, to date; included with Penn Yan.**
Milo	**Included with Penn Yan.**
Starkey	**Nov., 1874, to Mar., 1880. Good.**

Precipitation in Central New York. Monthly, annual, and average amounts (in inches and hundredths).

CENTRAL LAKES GROUP.

Figures in boldface type are estimated.

AUBURN, CAYUGA COUNTY—Elevation, 715 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1827..	2.75	1.51	0.93	2.27	2.03	4.88	2.76	3.15	2.09	5.78	1.55	4.09	33.79
1828..	1.65	1.40	1.84	2.93	3.21	3.31	7.45	4.65	3.46	2.70	1.26	1.05	34.91
1829..	2.85	1.77	1.01	1.48	1.94	3.95	4.07	3.45	4.36	2.70	2.30	0.66	30.54
1830..	1.04	0.48	4.02	1.75	4.20	7.83	2.91	1.35	3.25	2.95	3.70	4.40	37.88
1832..	1.88	2.50	1.19	1.46	2.37	1.43	3.35	6.75	3.22	2.05	2.66	1.95	30.81
1833..	1.48	1.60	1.45	1.65	7.82	1.43	5.63	3.62	2.80	3.43	0.79	2.25	33.95
1834..	0.78	1.38	1.00	1.30	2.82	3.42	2.25	2.35	4.14	2.20	1.18	1.88	24.70
1835..	1.77	1.47	1.77	4.68	1.13	6.39	3.12	4.30	2.02	3.65	2.40	1.63	34.33
1836..	6.70	3.20	1.28	2.80	3.80	3.02	1.05	2.32	3.20	2.49	0.87	0.57	31.30
1837..	1.05	1.20	2.50	0.50	4.55	3.00	3.80	4.55	1.68	3.30	1.80	1.10	29.03
1838..	1.13	1.78	1.30	0.99	1.20	3.00	2.50	2.64	1.70	2.35	2.00	1.15	21.74
1839..	2.70	0.75	1.60	2.20	5.10	7.46	1.00	3.70	1.80	1.00	2.96	3.15	33.42
1840..	3.10	2.55	1.20	2.65	4.70	3.39	3.23	2.89	2.57	4.55	3.45	3.10	37.38
1841..	3.48	3.59	1.56	3.26	3.25	1.30	2.09	1.15	1.86	0.90	3.49	2.25	28.18
1842..	1.25	4.10	3.28	3.32	2.67	3.17	4.43	3.89	4.34	3.97	3.59	2.82	40.83
1843..	2.74	2.12	3.89	3.61	5.12	3.49	2.09	3.78	6.14	6.40	6.22	4.22	49.82
1844..	2.70	2.26	5.40	4.68	3.51	3.03	2.27	3.01	1.51	3.07	3.79	4.55	39.78
1845..	4.72	2.74	1.47	2.61	2.67	1.76	2.89	2.05	4.10	3.66	4.27	1.48	34.42
1846..	2.46	2.90	2.28	0.92	1.67	2.73	2.27	2.58	4.37	4.40	3.30	3.25	33.13
1847..	2.49	2.24	1.72	2.68	1.75	2.16	3.86	3.70	3.50	5.55	3.90	6.21	39.76
1848..	1.91	0.83	2.44	1.07	6.12	4.03	4.99	3.88	2.77	2.99	3.00	4.74	38.77
1849..	4.38	2.52	3.78	0.70	4.30	4.30	0.95	1.29	5.56	4.79	4.73	3.41	40.71
1883..	....	....	....	....	....	....	....	....	....	4.06	....	1.74	.....
1884..	2.96	1.88	0.86	0.30	3.67	1.68	2.78	2.77	3.55	3.38	2.05	1.64	27.52
1885.	2.78	3.56	1.33	2.61	2.46	3.10	4.64	6.33	3.28	3.95	2.38	2.78	39.20
1886..	3.82	3.03	3.78	3.69	2.92	3.53	7.83	2.49	4.29	2.85	6.89	2.95	48.07
1887..	3.05	4.49	3.64	1.66	1.56	3.05	6.97	3.73	0.93	1.75	2.13	3.40	36.36
1888..	2.37	1.63	3.13	4.11	4.29	7.02	2.74	3.73	2.27	4.56	4.60	3.94	44.39
1889..	4.31	**1.40**	**1.20**	**3.00**	3.60	7.49	7.96	2.96	4.10	3.38	6.07	3.07	48.54
1897..	....	....	....	....	....	....	....	....	3.29	0.75	4.49	2.92	.....
1898..	3.89	2.71	2.31	2.94	5.24	3.72	1.32	6.61	5.30	4.52	3.65	2.50	44.71
1899..	1.30	1.61	3.20	1.70	3.53	3.51	3.91	2.52	4.12	2.66	2.85	3.59	34.50
1900..	2.98	2.99	5.01	1.29	1.96	2.43	5.10	1.80	1.30	3.37	7.52	2.40	38.15
1901..	2.17	2.39	1.47	5.52	4.27	6.35	2.12	6.49	1.95	1.84	4.02	3.81	42.40
1902..	0.94	2.07	1.64	2.59	4.05	6.62	7.48	3.44	1.61	3.71	1.94	2.95	39.04
1903..	0.89	1.44	4.75	3.09	0.74	7.04	4.19	5.14	1.85	6.23	2.95	1.85	40.16
1904..	4.05	1.89	3.84	4.08	5.11	3.69	5.41	2.70	4.41	2.82	0.82	2.77	41.59
1905..	2.53	1.62	3.71	3.05	3.00	8.11	3.01	5.53	2.64	4.07	1.19	3.47	41.93
1906..	0.96	0.65	3.59	1.54	5.37	7.66	6.07	3.73	2.92	5.41	2.19	2.81	42.90
1907..	2.11	1.50	0.75	3.59	3.05	3.13	3.96	1.52	3.62	6.18	2.30	2.13	33.84
1908..	1.92	2.38	2.09	4.44	4.36	3.91	3.43	1.33	0.95	1.93	1.47	1.84	30.05
1909..	3.27	1.96	2.35	3.68	5.60	2.21	2.61	1.50	2.85	1.38	1.57	2.03	31.51
Mean	2.53	2.10	2.39	2.56	3.52	4.07	3.76	3.38	3.07	3.43	3.03	2.73	36.57

BALDWINSVILLE, ONONDAGA COUNTY—Elevation 385 feet.

1890..	....	....	....	....	5.75	5.64	1.90	3.89	8.72	6.30	4.34	3.01	.....
1891..	3.07	3.95	5.91	1.62	0.86	0.66	3.68	2.10	1.04	2.77	2.50	4.10	32.26
1892..	4.36	2.39	4.52	1.65	5.69	4.81	4.64	5.07	1.18	3.46	4.28	5.01	47.06
1893..	2.22	5.78	2.56	4.38	5.12	2.87	7.05	5.15	2.63	1.95	2.11	4.40	46.22
1894..	3.07	3.77	2.18	2.20	5.96	5.52	2.97	1.64	4.88	4.17	3.12	2.62	42.10
1895..	3.26	4.12	1.07	1.80	2.39	2.09	3.22	2.48	2.63	1.35	3.13	5.39	32.93
1896..	3.53	6.39	4.52	0.76	2.70	1.49	4.34	3.06	5.63	2.07	3.07	1.72	39.28
1897..	5.40	0.99	5.13	2.18	2.22	3.23	5.95	2.63	1.20	0.65	5.05	3.64	38.27
1898..	4.50	1.51	1.52	2.23	3.84	**1.95**	1.59	5.98	3.35	4.85	3.31	3.13	37.76
1899..	1.33	1.67	4.40	1.90	3.42	1.65	2.33	3.08	3.03	3.08	1.37	3.64	30.90
1900..	3.63	3.69	5.70	1.33	1.33	1.47	6.05	3.35	1.73	3.41	6.59	3.09	41.37
1901..	3.01	2.55	**3.65**	4.23	3.85	4.94	3.69	3.86	3.32	2.87	4.69	5.48	46.14
1902..	2.51	3.69	3.07	2.41	3.98	6.00	6.27	2.03	2.35	2.78	2.10	4.32	41.51
1903..	3.09	3.07	5.65	2.18	0.50	7.20	4.17	5.85	1.14	6.33	3.93	2.51	45.62
1904..	4.77	3.23	2.75	**3.05**	3.62	3.41	5.80	2.15	3.80	2.83	1.01	3.09	39.51
1905..	2.43	2.95	2.20	2.07	2.00	8.94	6.90	6.68	3.67	4.20	1.97	2.16	46.17
1906..	2.86	1.47	3.78	2.57	**2.50**	6.69	2.62	3.24	2.12	4.99	2.21	**4.50**	39.55
1907..	4.35	2.46	1.87	3.48	4.97	3.25	3.44	1.84	3.53	4.54	2.73	3.83	40.29
1908..	3.43	3.81	3.18	5.82	3.62	5.98	5.76	1.94	1.52	2.38	....	2.17	.....
Mean	3.38	3.19	3.54	2.55	3.39	4.09	4.34	3.47	3.02	3.42	3.03	3.57	40.99

BOUCKVILLE, MADISON COUNTY—Elevation 1,350 feet.

1897..	......	......	......	......	......	......	......	1.93	3.01	0.68	4.34	3.43	.....
1898..	5.30	3.60	2.39	4.39	4.43	2.57	2.63	6.39	3.74	6.49	3.32	3.25	48.50
1899..	2.43	2.19	4.80	2.20	3.35	3.08	2.86	1.97	2.28	2.53	2.85	3.25	33.79
1900..	3.82	2.60	6.73	1.21	1.93	2.21	5.09	3.32	1.21	3.60	6.03	3.72	41.47
1901..	3.85	3.30	3.18	3.87	5.79	4.14	3.54	3.44	2.30	2.38	3.74	4.50	44.03
1902..	1.88	4.61	3.70	1.56	3.53	6.25	7.25	3.13	2.99	5.59	1.53	5.37	47.39
1903..	3.60	3.03	4.70	1.80	0.00	10.25	2.49	5.91	1.66	8.09	2.32	4.72	48.57
1904..	5.39	3.24	2.68	3.80	2.49	2.35	8.85	4.79	3.28	3.06	1.11	3.88	44.92
1905..	3.63	2.13	2.50	2.54	2.35	5.25	5.50	6.37	3.97	3.95	2.45	3.53	44.17
1906..	3.47	1.74	4.15	2.42	4.86	3.84	3.06	2.50	3.28	5.41	2.09	2.98	39.80
1907..	3.13	1.78	1.44	4.08	3.28	2.79	6.66	1.69	6.72	3.66	3.65	3.10	41.98
1908..	2.87	4.20	2.76	2.90	4.46	1.89	3.57	1.86	1.36	2.69	1.99	2.68	32.73
Mean	3.58	2.95	3.55	2.80	3.32	4.06	4.68	3.57	2.98	4.01	2.95	3.70	42.15

CANANDAIGUA, ONTARIO COUNTY—Elevation 392 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1829..	3.15	2.86	2.87	3.27	2.60	1.47	3.03	1.34	3.54	2.15	1.75	2.17	30.20
1830..	3.34	1.60	2.70	1.48	4.67	7.78	3.58	1.42	1.70	2.08	3.50	2.75	36.60
1831..	3.32	2.49	2.03	3.76	3.20	4.49	3.99	3.78	3.01	3.90	3.11	1.81	38.89
1832..	2.32	3.86	1.11	2.21	3.64	1.15	3.30	3.03	2.00	2.11	2.59	2.63	29.95
1833..	1.71	3.20	0.85	1.46	6.87	2.85	4.91	4.35	3.54	3.85	2.40	3.86	39.85
1834..	2.34	3.66	3.41	3.13	3.60	1.80	3.36	4.75	2.90	2.31	3.11	2.21	36.58
1835..	2.64	3.95	3.12	3.76	4.30	3.80	4.05	4.42	3.70	4.00	3.06	2.05	42.85
1836..	6.00	3.49	2.37	3.80	7.95	5.10	0.75	1.60	2.00	3.60	1.25	1.59	39.50
1837..	2.62	4.25	2.62	1.10	3.35	3.72	3.18	4.73	4.00	3.99	3.81	2.85	40.22
1838..	1.95	1.90	2.01	2.80	5.10	6.75	2.10	1.96	1.67	4.66	3.17	1.68	35.75
Mean	2.94	3.13	2.31	2.68	4.53	3.89	3.22	3.14	2.81	3.26	2.78	2.36	37.05

CAZENOVIA, MADISON COUNTY—Elevation 1,260 feet.

1830..	2.49	0.91	3.92	2.10	3.51	7.03	5.09	2.14	4.00	2.27	4.86	3.27	41.59
1831..	3.40	2.01	1.88	4.81	2.21	5.10	4.54	3.73	2.94	3.66	2.76	0.25	37.29
1832..	1.94	3.10	1.31	2.42	3.06	2.20	4.35	6.64	2.65	3.70	3.92	3.50	38.79
1833..	1.42	1.11	1.85	1.98	5.20	2.78	6.31	2.79	4.22	4.80	2.16	2.95	37.57
1834..	1.56	1.38	2.51	2.48	3.42	5.10	1.80	2.32	4.45	3.94	2.38	2.30	33.64
1835..	1.44	1.61	0.86	4.60	2.77	5.97	3.03	4.24	1.97	2.53	1.50	3.83	34.35
1837..	2.73	2.25	2.85	1.64	3.53	5.53	4.83	4.27	2.63	5.29	2.58	2.47	40.65
1338..	2.00	1.33	1.29	1.78	6.42	7.65	3.48	5.91	2.31	4.44	3.55	1.14	41.30
1839..	4.58	1.21	2.52	1.73	4.67	4.80	3.28	2.66	2.93	1.36	4.00	2.36	36.10
1840..	1.70	2.35	3.11	10.46	3.42	4.61	4.09	2.56	3.86	3.00	1.46	3.49	44.11
1841..	2.70	0.55	4.35	2.85	2.32	3.90	2.78	2.20	1.97	1.80	3.41	4.32	33.15
1842..	1.82	5.08	2.84	2.29	1.64	3.18	6.30	6.01	6.27	4.08	2.39	2.33	44.23
1843..	3.99	2.70	3.70	2.27	1.50	4.77	4.08	6.01	6.43	4.46	4.68	1.50	46.09
1844..	2.86	1.86	2.50	1.85	7.60	3.34	5.92	3.13	1.86	4.32	1.60	2.96	39.80
1845..	3.32	3.07	3.81	3.79	4.65	3.38	3.29	2.40	3.56	3.26	2.60	1.93	39.06
1846..	2.41	2.56	2.23	1.44	4.43	3.08	4.97	4.34	4.56	3.61	4.28	2.29	40.20
1847..	1.85	3.59	1.81	1.51	1.82	3.25	3.23	1.72	5.30	4.59	3.80	3.23	35.70
1848..	2.47	1.70	3.49	1.94	5.11	4.24	5.75	3.87	3.10	2.11	2.41	5.39	41.58
1849..	1.99	0.89	2.66	1.99	4.25	5.64	0.80	4.67	2.53	6.96	2.67	3.15	38.20
1856..	......	......	......	......	......	......	......	......	......	1.41	2.84	3.25	.....
1857..	1.97	......	5.18	6.75	3.46	9.85	3.82	4.88	......	7.77	3.92	3.47	.....
1858..	2.58	2.48	1.49	......	......	......	......	3.19	3.61	2.11	3.32	3.11	.....
1859..	2.46	1.40	3.62	4.70	2.08	4.36	4.07	4.53	4.58	2.14	3.68	4.00	41.62
1861..	2.87	2.60	3.95	4.61	4.05	1.55	7.19	3.57	4.12	5.48	2.09	1.36	43.44
1862..	3.95	4.86	6.82	1.46	1.74	3.30	3.28	3.93	3.29	6.83	......	2.97	.....
1863..	......	1.81	3.40	......	4.21	2.04	......	......	......	......	......	......	
1864..	......	......	......	......	......	......	......	......	......	......	......	3.90	.....
1865..	5.70	5.33	2.96	4.23	3.99	3.61	......	......	......	......	......	......	.....
1867..	6.92	4.05	1.60	5.09	......	......	......	......	......	......	......	2.22	.....
1868..	4.45	3.17	......	......	......	......	......	......	......	......	......	5.57	.....
1869..	2.30	4.17	......	......	......	......	......	......	......	......	......	2.11	.....
1870..	1.85	......	6.12	......	......	......	......	......	......	......	......	......	.....
1871..	2.98	......	1.84	0.60	......	......	......	......	......	......	......	4.89	.....
1872..	1.38	3.26	3.54	3.20	......	......	......	......	......	......	1.00	6.22	.....
1873..	2.93	2.62	6.69	0.46	......	......	......	......	......	......	......	1.79	.....
1874..	4.26	3.19	4.10	3.72	......	......	......	......	......	......	1.51	1.91	.....
1875..	4.20	......	2.72	1.60	......	......	......	......	......	......	......	......	.....
1876..	......	......	......	......	......	......	......	......	......	0.60	1.03	7.00	.....
1877..	4.35	1.04	2.86	0.08	0.50	......	......	......	......	0.60	0.48	0.70	.....
1878..	3.36	0.51	......	......	......	......	......	......	......	......	......	......	.....
Mean	2.92	2.42	3.13	2.92	3.52	4.41	4.19	3.82	3.61	3.60	2.75	3.06	40.35

FAYETTEVILLE, ONONDAGA COUNTY- Elevation 530 feet.

1897..	......	......	......	......	......	......	......	......	1.46	0.42	5.02	2.54	.....
1898..	2.76	......	......	......	......	2.14	1.50	7.42	4.61	2.92	3.25	2.15	.....
1899..	0.98	1.62	3.62	......	2.16	2.28	3.66	2.92	1.98	2.27	3.37	......	.....
1900..	2.86	2.67	......	......	......	......	......	......	......	......	......	......	.....
1901..	......	......	......	......	......	7.10	3.12	4.30	3.43	2.25	3.20	5.36	.....
1902..	1.09	3.26	3.02	2.35	3.97	6.10	6.99	4.17	2.02	4.08	1.72	3.13	41.90
1903..	2.33	2.15	4.69	2.36	0.22	7.27	3.35	4.48	1.03	7.47	2.15	2.00	39.50
1904..	2.92	1.92	2.35	3.37	3.63	2.22	5.18	2.51	3.15	2.80	0.53	2.61	33.19
1905..	2.14	2.23	2.68	3.05	2.54	7.38	4.30	7.10	2.45	3.95	1.65	2.96	42.43
1906..	2.06	1.02	3.18	2.16	3.43	6.16	3.74	2.05	1.96	5.11	3.25	2.49	36.61
1907..	2.69	0.85	1.34	3.11	2.88	4.89	4.23	1.44	3.89	3.21	3.37	2.69	34.59
1908..	2.25	2.14	2.29	2.82	5.20	1.40	3.60	0.59	1.03	2.92	1.19	1.35	26.78
1909..	2.81	3.48	3.11	4.00	3.51	3.63	2.50	1.45	1.95	1.82	1.99	1.62	31.87
Mean	2.26	2.13	2.92	2.90	3.06	4.60	3.83	3.49	2.41	3.27	2.56	2.63	36.06

FLEMING, CAYUGA COUNTY -Elevation 1,000 feet.

1890..	5.34	2.74	2.39	2.45	7.01	6.72	1.52	5.05	6.02	4.45	1.98	1.80	47.42
1891..	0.85	1.70	2.50	1.01	0.50	2.33	1.51	3.27	2.05	4.36	2.23	4.33	26.64
1892..	1.65	1.39	1.61	0.75	5.51	4.75	3.30	5.72	1.42	2.40	1.60	0.20	30.30
1893..	**0.66**	1.30	1.25	2.62	5.61	1.32	3.67	2.01	2.36	0.98	1.45	1.36	24.59
1894..	1.80	**2.44**	1.15	**3.55**	5.07	5.23	2.82	2.06	5.77	5.04	1.28	2.87	39.08
1895..	**2.40**	**1.96**	0.60	1.40	3.50	3.11	4.11	3.03	1.87	1.08	2.90	3.36	29.32
1896..	1.80	4.29	3.95	1.40	2.42	2.41	4.29	2.72	4.93	3.10	2.88	0.40	34.59
1897..	1.90	1.40	2.19	2.21	2.17	3.96	3.86	2.52	3.46	0.80	2.68	1.92	29.07
1898..	1.33	1.11	1.42	2.29	3.18	2.48	1.97	4.15	3.55	3.64	2.21	1.80	29.13
1899..	0.40	....	....	1.04	3.35	2.60	4.48	2.75	1.87	2.13	....	2.10	.....
1900..	1.23	2.53	2.70	0.45	**1.90**	0.79	6.87	2.88	0.46	2.43	**7.45**	**2.50**	32.19
Mean	1.76	2.09	1.98	1.74	3.66	3.25	3.49	3.29	3.07	2.76	2.66	2.06	31.81

GENEVA, ONTARIO COUNTY—Elevation 567 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1850..	....	....	....	....	....	....	....	....	....	....	4.12	6.46	.....
1851..	1.34	2.49	....	....	....	2.61	3.32	1.81	...	1.60	3.14	0.93	.....
1852..	0.57	1.30	3.54	1.35	3.60	3.56	2.12	....	1.16	2.77	3.44	3.44	.....
1853..	1.10	3.26	1.09	2.87	2.86	1.88	....	....	....	....	....	....	.....
1854..	....	....	1.95	5.20	2.21	2.48	0.89	0.77	3.27	2.08	1.55	2.49	.....
1855..	2.49	0.81	0.76	2.81	3.79	3.72	4.79	2.75	2.85	4.30	1.34	2.09	32.50
1856..	2.32	0.17	0.78	2.27	2.61	3.92	5.09	1.30	2.66	2.14	1.59	2.15	27.00
1857..	0.87	1.83	1.38	4.56	3.42	8.14	3.21	4.26	1.87	6.30	4.68	2.04	42.56
1858..	1.65	1.17	1.11	2.81	4.47	3.86	3.03	3.79	3.05	1.27	3.05	2.80	32.06
1859..	0.85	1.09	3.50	4.89	2.57	3.34	1.70	4.49	3.18	2.02	1.48	2.88	31.99
1860..	1.47	0.56	2.50	1.99	1.51	3.02	4.63	3.27	3.52	2.91	3.70	1.78	30.86
1861..	1.58	2.54	1.28	3.30	3.31	0.98	4.38	2.92	5.83	3.77	1.06	1.26	32.21
1862..	3.64	2.06	5.23	2.02	1.89	5.52	3.67	2.56	1.48	4.97	2.25	1.78	37.07
1863..	6.78	1.46	0.88	1.97	2.46	3.05	4.77	6.44	0.64	1.80	3.83	....	.....
1864..	0.63	0.53	1.26	4.28	6.31	1.49	1.29	7.14	1.97	4.18	2.44	1.45	32.97
1865..	2.54	2.48	2.05	2.66	3.92	3.56	2.90	1.94	4.86	3.43	1.73	1.08	33.15
1866..	0.92	1.08	1.51	2.16	2.27	4.42	2.07	3.22	4.58	1.83	2.89	1.76	28.71
1867..	1.30	1.04	0.66	3.91	6.59	2.05	2.64	0.96	0.09	1.50	0.33	0.70	21.77
1868..	1.92	1.09	2.46	2.38	3.74	3.12	0.85	1.29	....	....	....	....	.....
1888..	....	....	....	3.40	2.78	3.93	0.93	3.04	2.48	3.53	2.42	1.94	.....
1889..	3.53	1.21	1.04	3.82	1.78	7.60	5.31	2.46	3.05	3.34	4.35	2.50	39.99
1890..	3.20	2.45	3.05	2.43	6.04	5.43	1.54	4.35	6.11	4.66	2.46	2.55	44.27
1891..	2.43	3.04	4.35	1.95	0.50	3.76	3.78	3.93	0.72	3.95	1.68	3.67	33.76
1892..	3.32	2.69	2.80	1.28	5.03	5.47	2.27	5.67	1.30	1.50	4.02	1.31	36.66
1893..	1.54	2.98	1.56	3.94	5.11	3.13	3.23	4.53	2.54	1.83	....	....	.....
Mean	2.09	1.70	2.03	2.97	3.42	3.75	2.97	3.31	2.72	2.99	2.62	2.24	32.81

ITHACA, TOMPKINS COUNTY—Elevation 800 feet.

1828..	1.22	1.05	0.38	1.20	1.30	3.41	4.37	1.20	5.49	1.20	3.13	0.50	24.45
1830..	0.60	0.47	2.82	2.06	5.53	5.08	3.52	1.92	3.67	1.49	6.48	1.47	35.61
1833..	2.30	2.86	1.25	1.78	0.90	1.47	3.70	2.78	1.60	2.57	2.18	3.25	26.64
1837..	0.47	1.57	2.19	0.93	6.20	3.61	2.89	3.39	1.46	3.42	0.91	1.20	23.24
1838..	1.24	0.93	1.66	2.01	6.61	5.28	3.76	2.86	2.17	3.57	3.11	0.62	33.82
1839..	3.76	1.36	2.08	1.90	4.07	4.34	2.69	1.31	1.88	0.28	1.83	1.72	27.22
1842..	2.97	3.16	3.79	2.91	2.12	5.10	4.28	2.67	5.15	2.37	2.46	2.97	39.95
1843..	2.37	1.31	2.11	3.27	1.05	3.90	2.80	3.80	6.90	3.75	2.06	1.82	35.14
1844..	1.86	0.45	2.47	1.69	3.85	1.30	5.24	2.23	1.16	3.07	1.84	1.03	26.19
1845..	2.13	2.65	2.91	3.42	2.16	2.07	2.78	2.30	3.46	3.85	3.35	0.82	31.90
1846..	1.87	2.54	2.51	0.85	1.08	3.84	2.43	3.47	1.84	3.07	5.75	1.46	30.71
1847..	1.97	2.41	1.94	0.85	2.01	2.71	0.86	2.58	6.31	3.68	2.68	3.39	31.39
1848..	0.89	0.54	1.80	1.00	4.93	2.46	4.25	3.87	2.05	0.96	0.87	5.25	28.87
1850..	....	....	....	....	....	....	....	....	2.33	4.60	2.00	4.46	.....
1851..	2.72	2.88	2.03	3.04	3.02	4.35	3.46	1.78	2.90	1.78	1.91	1.20	31.07
1852..	1.90	0.25	4.76	3.73	3.85	2.00	3.67	2.52	2.03	2.87	2.01	....	.....
1853..	2.00	....	....	4.80	....	4.85	2.85	6.20	....	....	....	....	.....
1874..	....	....	....	....	1.31	....	....	....	3.31	1.50	2.85	1.00	.....
1875..	1.73	1.11	1.87	2.36	....	3.83	1.72	3.92	2.15	4.88	1.61	2.47	.....
1876..	2.36	2.68	3.21	2.11	2.96	5.11	4.96	1.77	3.82	0.76	3.80	0.88	34.37
1877..	1.34	0.75	2.43	1.34	0.72	3.49	1.87	1.25	2.91	4.24	2.52	0.73	23.59
1878..	2.48	2.51	1.36	4.28	3.07	4.76	3.80	3.91	2.40	4.10	2.23	3.75	38.65
1879..	0.75	0.82	1.05	1.83	4.81	2.80	4.05	0.73	0.94	0.31	1.69	1.42	21.20
1880..	1.54	1.32	1.04	1.71	3.43	1.88	4.52	3.17	3.76	4.30	1.25	1.12	29.04
1881..	2.45	2.73	2.92	1.03	4.61	3.90	2.92	0.39	1.67	3.24	2.32	4.76	32.94
1882..	2.21	2.45	3.21	1.06	6.84	2.64	2.33	2.85	1.56	1.05	2.12	1.81	30.13
1883..	1.04	2.84	1.26	2.32	4.68	7.54	4.31	2.81	3.75	2.25	1.50	1.15	35.45
1884..	3.13	2.64	3.41	1.88	4.36	1.35	4.87	3.75	1.72	2.90	1.74	2.42	34.17
1885..	2.09	1.59	0.49	1.73	2.51	3.69	2.84	8.14	2.36	5.26	2.77	1.63	35.10
1886..	3.64	0.62	2.50	1.97	1.79	2.28	4.55	1.69	3.96	2.28	6.03	1.61	32.92
1887..	1.55	4.21	1.87	1.52	3.07	3.47	3.97	3.04	1.95	1.45	2.01	2.48	30.59
1888..	1.11	0.83	1.97	2.15	2.38	2.37	2.33	3.36	2.64	4.48	3.93	3.42	30.97
1889..	3.19	1.30	2.60	3.43	2.63	6.74	6.73	3.32	2.57	3.62	3.35	2.46	41.94
1890..	2.68	2.17	3.82	3.34	6.60	4.94	1.24	4.92	6.62	4.66	1.93	3.47	46.39
1891..	2.99	3.17	3.30	2.45	0.61	4.56	4.25	3.24	2.13	5.25	2.25	2.85	38.05
1892..	3.78	1.33	2.88	1.25	6.46	5.20	4.93	6.91	1.88	1.52	3.50	0.85.	40.49
1893..	1.32	2.93	2.49	3.79	6.04	2.21	5.13	3.86	4.38	2.15	1.25	2.03	37.58
1894..	2.78	2.31	1.28	4.84	7.34	3.40	3.17	0.59	5.17	4.94	1.94	2.39	40.15
1895..	2.18	0.92	1.26	1.47	3.60	8.37	1.96	4.12	2.03	0.99	2.69	4.07	28.66
1896..	1.46	4.61	4.75	1.02	2.64	4.36	3.69	2.43	3.84	4.37	2.00	1.00	36.17
1897..	1.50	0.91	3.04	2.47	3.84	3.54	3.25	2.74	4.72	0.88	4.22	2.56	33.67
1898..	2.21	1.59	1.63	3.58	4.55	3.01	4.17	4.42	3.15	5.87	3.15	2.22	39.55
1899..	1.67	1.48	2.46	1.45	2.90	1.99	3.46	2.31	2.16	2.34	2.94	2.39	27.55
1900..	2.39	2.86	4.01	1.68	1.51	1.98	2.41	2.93	0.94	4.06	5.71	2.29	32.77
1901..	1.31	0.95	2.89	4.08	4.20	3.06	3.60	3.85	1.66	1.07	2.74	5.76	35.17
1902..	1.36	1.41	3.04	1.31	2.05	5.39	6.69	3.13	2.70	3.36	0.99	4.30	35.73
1903..	2.19	1.97	4.62	1.04	0.30	5.67	2.64	7.15	1.21	5.69	1.83	1.15	35.46
1904..	3.46	1.40	2.29	2.93	4.64	1.77	3.79	2.20	1.93	2.71	0.84	2.08	30.04
1905..	2.82	0.71	3.06	2.64	1.92	6.81	4.97	2.83	3.66	4.36	1.34	2.92	38.04
1906..	1.07	1.21	3.28	1.77	3.71	7.06	1.94	2.53	1.83	3.30	1.94	3.50	33.14
1907..	2.68	2.00	0.92	3.70	2.51	5.15	1.95	1.64	3.96	3.52	1.92	3.52	33.47
1908 .	2.27	2.47	2.24	3.85	4.30	1.26	4.75	3.48	1.61	1.67	0.89	1.35	30.14
1909..	2.64	2.80	1.78	3.18	2.15	3.97	1.62	1.63	2.90	2.24	1.08	1.21	27.20
Mean	2.07	1.84	2.42	2.30	3.39	3.73	3.51	3.06	2.89	2.96	2.50	2.30	32.97

KING FERRY. CAYUGA COUNTY.

1900..	.....	.....	.....	2.06	1.08	1.59	3.08	1.86	1.19	3.94	5.78	1.82	.....
1901 .	1.73	1.25	3.02	4.86	4.46	3.29	2.40	4.77	2.16	0.89	3.40	4.89	37.12
1902..	1.40	1.99	3.12	1.33	2.57	4.17	7.81	2.52	2.42	4.61	1.34	3.23	36.51
1903..	2.91	2.01	5.21	1.39	0.48	6.43	3.97	6.70	1.18	6.15	2.49	1.21	40.13
1904..	4.23	2.00	2.16	3.35	4.46	3.29	7.82	3.56	3.47	3.63	0.92	2.47	41.36
1905..	2.42	0.46	2.71	2.23	2.05	6.16	3.25	4.41	3.28	4.05	1.73	3.00	35.75
1906..	1.09	1.10	3.14	2.18	3.66	4.49	2.54	4.70	2.33	3.80	2.10	2.77	33.95
1907..	2.38	0.89	0.94	2.28	2.83	3.58	2.85	1.36	4.02	4.19	2.14	2.50	29.96
1908..	1.70	1.82	1.60	3.21	4.23	3.28	5.10	1.97	1.32	1.82	0.97	1.07	28.09
1909..	2.51	3.96	1.94	2.92	3.47	2.40	2.10	2.10	3.07	1.76	1.02	1.01	28.26
Mean	2.26	1.72	2.65	2.58	2.93	3.87	4.09	3.40	2.44	3.48	2.19	2.40	34.01

LYONS, WAYNE COUNTY—Elevation 407 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1888..	.....	.....	.....	.....	1.69	4.98	1.69	3.91	2.34	3.68	3.15	2.27	....
1889..	5.50	2.59	2.10	3.39	3.15	6.22	6.03	1.83	2.72	3.58	3.90	1.88	42.89
1890..	2.92	2.76	0.94	2.25	4.48	3.77	4.41	3.41	9.61	4.66	2.81	3.64	45.66
1891..	1.04	1.52	4.30	2.08	1.33	1.19	2.42	3.58	1.16	3.58	2.60	4.00	28.55
1892..	2.80	1.39	3.18	1.17	4.06	5.72	2.94	4.23	0.81	1.20	3.34	1.38	32.22
1893..	2.23	3.18	1.22	1.67	4.88	3.35	4.24	7.89	2.03	1.91	1.05	2.60	36.25
1894..	2.45	2.55	2.03	2.07	5.31	2.35	2.11	2.23	4.15	2.91	2.07	2.76	32.99
1895..	2.12	2.17	0.90	1.54	3.25	3.39	2.59	3.69	1.67	0.95	2.76	3.74	28.77
1896..	3.57	4.28	5.25	1.02	2.27	2.42	4.60	3.05	3.72	1.26	3.24	1.64	36.32
1897..	2.27	0.95	2.37	2.14	1.84	2.95	5.04	1.22	1.18	0.48	3.46	3.14	27.04
1898..	4.62	1.63	2.37	1.99	3.57	2.86	2.95	5.58	3.09	4.38	3.00	1.94	37.99
1899..	0.92	1.26	3.24	1.46	2.58	1.32	4.20	1.49	2.45	1.78	2.01	5.14	27.85
1900..	3.48	4.25	4.05	1.19	1.85	2.74	3.45	2.49	2.01	3.71	6.43	2.82	38.48
1901..	1.75	2.05	0.95	5.60	2.42	6.46	1.79	4.01	1.38	1.95	2.72	3.70	34.78
1902..	1.82	2.49	2.05	2.31	3.03	3.39	6.77	2.22	2.57	2.79	1.53	3.82	34.79
1903..	1.92	2.12	4.49	2.83	0.15	6.14	4.55	5.27	2.04	4.66	2.18	2.68	39.03
1904..	3.71	3.23	5.40	5.58	4.05	3.25	3.74	1.85	3.50	1.93	1.49	2.84	40.57
1905..	3.05	1.65	1.28	3.23	2.70	7.98	4.05	5.46	1.50	6.92	2.20	3.20	43.22
1906..	2.56	1.23	4.20	2.39	3.09	7.78	3.56	4.60	1.16	4.21	3.69	3.40	41.67
1907..	4.75	3.23	1.66	2.74	5.42	3.36	2.84	1.75	3.41	5.52	4.51	2.75	41.94
1908..	3.18	5.05	3.07	......	......	......	......	......	......	......	......	......	.....
Mean	2.84	2.48	2.75	2.46	3.06	4.08	3.70	3.49	2.62	3.10	2.91	2.97	36.46

NORTH VOLNEY, OSWEGO COUNTY—Elevation 350 feet.

1872..	....	....	....	....	....	....	3.33	1.13	3.66	6.20	2.38	2.65	.....
1873..	2.90	1.65	6.97	2.75	2.00	2.00	5.40	2.90	2.90	5.94	3.50	3.00	41.91
1874..	6.05	3.07	2.90	3.65	1.85	5.55	7.80	0.95	3.25	3.10	3.45	1.95	43.57
1875..	2.35	2.55	2.20	2.95	2.20	3.30	2.25	1.40	4.25	3.25	2.70	1.80	31.20
1876..	4.25	4.70	3.30	2.05	1.10	2.45	3.90	0.75	4.65	3.80	3.85	3.05	37.85
1877..	2.60	0.30	3.80	1.45	1.15	2.90	5.25	2.80	2.70	2.75	4.10	1.90	31.70
1878..	3.80	3.20	2.75	2.95	3.15	3.50	2.85	4.75	2.20	5.80	5.05	8.35	48.35
1879..	2.80	2.80	2.00	0.65	1.65	3.72	2.90	2.65	2.63	1.85	5.60	3.70	32.95
1880..	2.30	2.60	2.85	2.30	2.75	2.35	3.15	4.55	1.70	3.90	5.65	2.00	36.10
1881..	2.35	3.30	2.70	1.20	2.20	2.60	2.90	1.82	1.42	4.15	2.80	5.80	33.24
1882..	2.70	2.70	3.12	1.80	3.55	3.33	1.00	2.95	2.75	1.20	1.45	3.35	29.90
1883..	2.35	3.10	2.15	1.60	6.70	4.55	3.95	1.50	2.55	2.35	4.00	2.85	37.65
1884..	3.70	3.25	3.90	0.80	1.85	1.15	2.50	3.20	2.20	3.22	2.65	3.50	31.92
1885..	3.15	2.20	0.90	2.40	2.70	3.05	4.85	2.20	3.30	3.70	2.95	3.65	34.55
1886..	4.45	2.25	3.25	2.15	....	....	....	....	....	....	....	....	.....
Mean	3.27	2.69	3.06	2.05	2.53	3.11	3.68	2.40	2.87	3.66	3.58	3.40	36.30

ONEIDA, MADISON COUNTY—Elevation 500 feet.

1863..	3.48	2.25	3.70	3.37	4.10	3.18	8.80	12.73	......	......	......	......	..
1864..	......	......	......	......	......	7.08	12.53	12.53	......	7.11	......	4.16	....
1865..	3.80	3.36	2.82	6.26	5.40	5.58	6.21	1.58	9.16	7.84	6.23	3.72	61.96
1866..	1.80	5.26	2.97	1.72	4.37	10.48	5.78	7.05	9.08	3.08	7.36	3.70	62.65
1867..	2.65	1.00	2.05	7.39	12.61	7.43	5.96	5.15	5.67	4.12	2.93	3.74	60.70
1868..	4.30	2.50	4.80	3.99	10.05	6.83	5.97	6.60	10.70	2.47	10.64	4.00	72.55
1869..	3.93	4.41	3.45	4.34	5.69	9.66	12.14	5.95	5.14	8.93	6.80	4.82	75.26
1870..	2.39	5.60	3.40	2.44	3.36	4.59	6.73	14.40	7.20	......	......	3.56	....
1871..	1.14	1.95	6.55	7.71	4.12	8.73	4.49	5.40	1.71	3.48	5.83	3.79	54.90
1873..	......	......	......	......	......	......	......	......	......	......	......	6.97	....
1874..	9.95	11.01	6.49	5.99	4.60	10.38	12.61	5.36	5.95	3.39	4.32	......	....
1875..	4.40	3.14	3.83	5.39	4.17	7.56	6.39	7.48	6.40	8.45	......	3.20	....
1876..	3.95	10.20	9.78	5.41	4.17	......	6.57	2.42	7.33	3.34	2.20	5.70	....
1877..	4.80	1.00	3.19	2.73	2.77	3.76	7.36	5.05	3.15	5.74	4.09	2.00	45.64
1878..	4.72	......	......	......	......	......	......	......	......	......	......	......	....
Mean	3.95	4.31	4.42	4.73	5.45	7.10	7.81	7.05	6.50	5.27	5.60	4.11	66.30

ONEIDA (Institute of Science and Industry), ONEIDA COUNTY—Elevation 500 feet.

1834..	2.40	1.31	2.23	2.50	2.28	2.92	3.35	1.42	1.23	2.60	1.42	1.79	25.48
1835..	1.77	1.37	1.29	3.09	0.99	4.36	1.98	2.66	0.84	2.39	1.93	2.33	25.00
1836..	10.31	2.97	0.81	2.40	5.15	4.70	0.69	1.08	4.20	2.60	1.44	1.60	37.95
1837..	1.73	2.00	0.76	0.64	0.88	2.95	3.50	2.08	1.13	3.92	2.43	1.20	23.22
1838..	2.02	0.83	1.15	1.08	3.40	1.21	2.63	3.63	2.71	4.21	2.14	0.43	25.44
1839..	0.73	0.36	0.48	1.46	3.99	3.91	3.90	2.25	1.64	0.70	2.41	2.36	24.19
1840..	0.21	1.03	2.61	4.21	2.54	3.69	7.65	7.60	6.05	6.45	3.01	4.08	49.11
Mean	2.74	1.41	1.34	2.20	2.75	3.39	3.39	2.96	2.54	3.27	2.11	1.96	30.06

ONONDAGA, ONONDAGA COUNTY—Elevation 1,260 feet.

1826..	4.23	2.23	3.16	2.18	0.50	4.75	1.22	0.34	1.99	2.91	1.20	1.96	26.67
1827..	7.86	2.69	2.32	2.05	1.77	4.20	1.81	1.75	1.58	4.97	3.46	3.63	38.09
1828..	1.55	1.42	1.10	1.25	0.54	1.97	10.23	6.65	3.63	3.15	2.49	1.81	35.79
1829..	3.26	0.51	0.39	1.94	1.39	4.46	5.00	2.30	2.48	2.13	2.01	1.14	27.01
1832..	1.22	1.44	0.54	0.85	1.86	3.08	2.86	6.28	2.16	2.22	2.79	2.90	28.20
1833..	1.08	1.43	2.28	2.08	4.73	2.05	3.48	1.55	3.20	1.84	1.38	1.69	25.79
1835..	0.93	1.43	1.31	4.28	1.07	6.53	2.71	5.69	1.96	3.27	2.31	0.94	32.43
1836..	6.29	2.07	0.53	1.48	6.73	4.51	1.10	1.98	3.25	3.57	1.97	0.87	34.35
1837..	1.30	2.13	2.01	1.08	2.27	4.99	4.29	4.41	2.36	4.26	2.62	1.14	32.86
1838..	0.71	0.77	0.61	1.50	5.87	3.75	2.64	4.47	2.17	4.43	2.65	0.84	30.41
1839..	2.93	1.25	1.53	2.26	4.81	3.83	3.05	3.11	1.80	0.92	2.97	4.02	32.48
1840..	1.95	1.24	2.71	3.54	2.35	3.47	3.82	4.31	4.03	3.23	1.81	2.59	35.06
1841..	2.29	0.49	2.42	2.71	2.01	2.60	3.13	1.00	1.88	1.32	4.10	2.49	26.44
1842..	1.04	1.80	1.87	1.76	1.65	3.30	5.13	2.54	5.11	3.87	3.94	2.59	34.60
1843..	2.40	2.37	4.24	1.78	1.73	3.09	2.10	1.90	5.06	5.19	2.72	1.83	34.41
1844..	1.35	0.43	1.70	1.56	5.08	2.60	2.06	2.77	1.82	5.38	1.27	0.80	26.82
......	....	....	....	....	....	....	....	....	....	....	....	....	....
Mean	2.52	1.48	1.80	2.02	2.77	3.70	3.42	3.19	2.78	3.29	2.48	1.96	31.40

OSWEGO, OSWEGO COUNTY—Elevation 335 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1844..	1.43	0.19	1.54	1.40	3.74	8.20	1.42	6.50	0.54	4.89	1.02	3.71	34.58
1845..	3.01	2.68	0.85	2.48	2.39	4.73	1.58	....	3.63	5.60	2.65	3.62	.....
1846..	2.30	2.93	1.55	1.29	1.82	1.38	....	....	....	....	....	....	.....
1849..	1.16	1.15	2.62	1.65	3.00	1.66	0.69	1.61	2.26	6.30	2.77	2.09	26.96
1850..	1.68	1.08	0.37	3.39	3.04	2.03	6.09	1.25	2.40	5.59	4.81	2.90	34.63
1851..	2.61	2.31	3.97	1.91	1.31	2.55	2.57	1.32	1.74	2.48	4.97	4.41	32.15
1852..	2.76	2.14	3.66	0.68	0.86	4.06	1.18	0.53	3.31	4.80	4.47	4.09	32.54
1853..	1.17	4.12	0.89	8.04	2.01	0.72	0.13	....	....	....	....	....	.....
1854..	....	....	....	....	....	....	....	....	....	0.82	1.09	1.69	.....
1855..	1.90	1.82	1.20	0.70	0.72	3.60	5.20	1.65	2.02	3.40	2.25	1.47	25.93
1856..	4.95	2.90	1.50	0.97	2.95	1.70	2.16	1.41	3.37	....	....	....	.....
1857..	....	....	....	....	4.60	....	1.57	5.28	1.98	4.60	5.61	5.54	.....
1858..	2.98	3.94	1.76	4.35	....	....	....	....	....	....	....	....	.....
1859..	....	....	7.07	7.03	4.90	3.15	5.95	3.21	3.86	2.31	3.65	6.41	.....
1861..	2.99	3.85	4.20	4.74	5.95	2.20	7.69	1.65	6.86	6.30	2.01	1.61	50.05
1862..	3.55	3.56	5.49	2.98	3.19	3.10	5.51	2.51	3.70	....	3.80	2.75	.....
1863..	3.61	2.80	2.82	6.25	5.00	4.00	4.35	5.25	4.45	5.48	8.40	3.75	56.16
1864..	4.85	3.01	3.16	4.27	6.73	0.88	1.00	6.66	1.83	5.72	4.44	4.24	46.79
1865..	3.95	3.61	4.86	3.58	2.60	5.95	2.35	1.13	3.30	6.32	2.84	2.83	43.32
1866..	1.14	2.85	2.31	3.33	2.88	4.51	2.33	3.73	5.31	3.77	5.92	4.85	43.23
1867..	4.23	3.32	2.65	3.62	6.57	1.41	1.94	2.53	2.19	1.28	1.67	3.78	35.22
1868..	5.49	2.35	3.40	1.53	3.35	3.14	1.93	3.13	4.71	0.92	7.44	5.12	42.51
1869..	2.30	4.50	4.10	2.00	2.08	3.92	6.67	4.21	3.65	5.10	3.93	4.60	47.06
1870..	3.28	1.98	2.92	1.38	0.83	2.15	4.72	3.50	2.28	4.98	1.88	2.92	32.82
1871..	2.15	1.61	2.94	3.24	1.32	2.20	2.88	5.92	1.00	1.44	2.96	1.30	28.96
1872..	0.83	1.18	2.43	1.44	2.72	4.43	1.84	0.71	2.44	5.91	1.91	1.07	26.96
1873..	1.35	0.28	5.47	2.62	1.41	1.91	3.71	2.46	2.39	6.57	1.78	3.34	33.29
1874..	5.60	1.89	1.64	2.26	2.08	4.98	7.62	0.29	3.19	2.05	1.89	1.44	34.93
1875..	2.40	1.81	1.34	2.08	3.38	3.03	3.43	2.46	4.23	3.04	2.56	1.62	31.41
1876..	3.91	4.51	3.08	2.61	1.22	4.01	3.30	0.45	4.13	3.41	2.55	1.02	34.20
1877..	2.31	0.22	4.48	1.66	0.54	3.33	5.89	2.19	2.83	2.37	4.04	2.34	32.20
1878..	4.16	2.98	4.05	3.42	3.69	3.28	3.91	4.41	2.62	7.55	5.27	10.49	55.83
1879..	1.59	2.92	2.54	0.85	1.90	3.49	3.56	3.51	2.95	1.67	5.64	5.98	36.60
1880..	3.09	4.81	4.17	2.28	4.06	3.27	1.74	3.25	1.51	4.32	6.45	4.24	43.19
1881..	4.15	4.74	5.08	1.19	2.41	2.98	1.73	1.69	0.76	4.61	3.13	6.78	39.25
1882..	4.46	3.33	3.23	2.08	4.83	3.72	1.12	3.09	2.42	0.50	2.40	4.90	36.13
1883..	1.16	2.76	0.84	1.39	7.03	4.58	3.21	2.16	2.32	1.94	3.02	4.08	34.49
1884..	6.49	2.98	3.81	0.88	2.39	1.48	1.90	1.71	1.92	3.21	2.09	2.61	31.47
1885..	2.02	1.22	0.48	1.86	3.37	3.94	4.89	2.37	3.62	3.33	2.17	3.87	33.14
1886..	3.29	2.19	3.73	3.66	1.92	1.03	4.24	2.58	4.30	2.12	4.07	2.33	35.46
1887..	0.92	3.48	1.21	1.58	1.03	2.72	1.82	1.69	1.91	2.39	2.38	2.28	23.41
1888..	2.01	1.62	1.79	2.09	1.56	2.60	2.32	4.56	5.27	3.24	3.52	2.21	32.79
1889..	4.25	2.17	0.55	2.85	1.61	9.81	3.02	1.02	2.52	3.57	5.43	3.30	40.10
1890..	4.46	3.25	1.85	2.16	4.61	2.43	3.18	2.19	6.33	4.64	4.13	1.63	40.86
1891..	3.01	2.81	4.15	1.68	1.08	1.58	4.10	2.11	1.28	2.89	2.66	4.09	31.44
1892..	2.10	2.29	1.74	0.88	4.12	6.95	4.00	4.38	1.52	2.00	3.30	1.53	34.81
1893..	2.06	2.11	1.23	3.17	4.53	2.20	1.16	6.47	2.81	2.26	2.91	3.84	34.78
1894..	3.24	3.92	1.95	1.94	4.66	3.70	1.86	0.90	3.45	4.20	3.48	8.14	36.44
1895..	2.64	2.30	1.66	2.07	3.25	1.20	1.67	3.38	2.25	2.39	4.44	5.23	32.48
1896..	2.04	4.90	4.79	1.06	2.46	1.57	5.89	3.00	4.05	1.45	3.95	3.16	38.32
1897..	6.05	1.26	4.19	2.46	2.76	3.56	3.15	1.70	0.81	0.51	6.56	3.60	36.61
1898..	5.16	2.61	2.08	2.32	4.14	1.12	3.23	3.27	4.40	5.53	3.33	3.25	40.44
1899..	2.73	2.74	4.56	1.69	3.63	1.95	1.68	0.82	3.53	3.10	2.26	5.96	34.65
1900..	4.03	4.19	3.46	1.54	1.24	1.29	3.30	2.10	2.53	3.26	6.53	3.70	37.17
1901..	2.78	1.55	3.66	4.95	3.48	4.23	3.08	4.90	3.13	3.43	3.87	6.08	45.09
1902..	2.49	1.78	3.80	2.21	3.02	4.54	6.48	2.23	2.57	2.24	1.78	4.73	37.87
1903..	3.49	3.08	4.82	3.25	0.32	5.57	2.61	3.08	2.21	4.88	2.46	3.88	39.65
1904..	3.58	3.11	3.64	2.81	2.48	3.72	5.75	2.92	3.24	3.69	0.45	4.12	39.51
1905..	3.03	3.30	1.48	2.79	3.26	3.62	3.04	4.32	1.76	5.26	2.53	3.71	38.10
1906..	2.27	0.97	3.45	1.84	2.79	6.31	2.51	2.83	2.19	5.99	2.09	2.99	36.23
1907..	3.81	0.72	2.43	2.40	3.60	2.88	4.16	0.99	2.46	5.81	3.30	5.80	38.36
1908..	2.17	4.70	2.55	3.90	3.49	3.64	4.77	1.62	1.55	1.62	1.60	2.32	33.93
1909..	3.88	3.85	2.56	3.26	3.21	2.40	4.39	2.00	2.56	2.23	2.09	5.16	37.59
Mean	3.04	2.65	2.88	2.47	2.97	3.28	3.32	2.74	2.89	3.64	3.43	3.65	36.92

PALERMO, OSWEGO COUNTY—Elevation 460 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1854..	2.60	3.00	2.00	2.60	1.30	3.50	3.00	1.50	4.70	4.90	2.80	2.20	34.10
1855..	2.55	2.10	1.90	2.30	2.90	5.80	4.50	1.40	1.80	4.90	1.20	2.60	33.95
1856..	2.50	1.20	1.00	2.10	3.60	1.50	2.10	3.30	5.90	4.10	3.30	5.20	35.80
1857..	3.90	2.00	3.20	2.10	4.60	8.50	1.50	3.30	2.20	2.50	5.60	5.50	44.90
1858..	2.90	3.90	1.70	4.50	2.30	3.50	5.60	3.10	3.60	2.20	3.30	3.00	39.60
1859..	2.40	1.50	7.00	7.00	4.90	3.20	5.90	3.20	3.80	2.40	3.50	6.50	51.30
1860..	2.60	3.40	3.30	2.00	2.50	6.80	2.90	2.60	4.70	4.70	5.20	4.20	44.90
1861..	3.20	3.30	4.90	4.20	4.10	3.30	3.80	3.60	4.10	4.60	4.50	4.20	47.80
1862..	3.30	3.70	5.40	2.90	3.10	3.00	5.50	2.40	3.50	7.90	3.70	2.60	47.00
1863..	3.60	2.70	2.90	6.20	5.10	2.30	4.20	5.30	2.50	3.50	4.30	5.60	48.20
1864..	4.60	3.00	2.90	4.50	6.50	0.70	1.10	6.40	2.70	6.00	5.90	5.10	49.40
1865..	3.40	2.30	5.10	2.70	3.30	8.80	3.00	1.10	4.20	5.60	3.35	3.10	45.95
1866..	1.56	7.20	2.35	2.90	2.70	4.80	2.80	0.41	7.30	4.30	6.60	6.05	48.97
1867..	4.70	2.50	2.95	2.70	6.90	1.60	2.40	1.60	2.30	1.00	1.40	3.00	33.05
1868..	4.50	2.90	2.60	1.50	2.60	2.80	0.70	2.70	4.10	1.40	6.25	6.80	38.85
1869..	1.50	3.90	1.90	1.30	3.10	3.00	4.70	2.60	3.80	5.10	2.00	2.90	35.80
1870..	4.30	4.10	3.80	1.10	0.30	0.70	3.70	0.50	3.75	2.20	3.00	3.10	30.55
1871..	2.70	1.70	2.61	2.80	0.60	2.10	1.40	5.20	1.20	1.20	3.20	4.20	28.91
1872..	1.70	1.30	2.50	1.10	1.50	3.30	3.70	1.10	3.30	6.30	3.30	2.40	31.50
1873..	3.10	1.85	6.10	1.03	1.40	0.80	6.10	2.30	2.90	5.70	3.50	4.80	39.58
1874..	6.50	3.40	2.40	4.10	1.80	4.80	6.60	0.60	3.20	3.40	3.90	1.60	42.30
1875..	0.30	2.41	3.40	1.50	1.30	3.20	1.90	1.60	4.20	3.10	3.60	3.50	30.01
1876..	4.10	5.40	3.50	2.60	1.10	2.90	3.60	1.00	4.40	3.60	3.50	4.91	40.61
1877..	3.50	0.10	2.70	1.70	0.40	2.50	4.90	2.54	2.60	3.00	3.71	3.30	30.95
1878..	3.60	2.30	2.52	3.00	3.20	3.20	2.70	5.50	1.60	5.35	4.05	7.95	44.97
1879..	3.10	4.89	1.75	0.26	1.79	3.49	3.10	2.36	1.57	1.15	4.38	3.34	31.18
1880..	2.21	2.49	1.82	1.66	2.57	2.12	3.54	3.82	1.04	2.87	5.75	1.88	31.77
1881..	2.69	3.34	2.75	0.88	1.48	2.04	2.35	1.99	1.34	3.81	1.82	5.40	29.89
1882..	2.95	2.50	4.22	1.67	2.58	2.92	0.64	2.82	1.85	0.30	1.01	3.51	26.97
1883..	2.95	3.01	1.27	1.16	5.87	4.21	3.17	1.29	1.83	1.80	3.57	2.63	32.76
1884..	0.16	3.60	3.23	0.68	1.28	1.27	1.62	2.19	1.91	2.65	2.18	3.42	24.19
1885..	3.41	2.55	0.68	1.00	2.29	2.92	3.85	2.98	3.99	3.12	2.50	3.93	33.22
1886..	3.90	2.36	1.68	2.13	1.07	3.44	1.83	2.30	3.70	1.85	4.31	2.97	31.54
1887..	5.39	2.03	1.08	1.12	1.87	2.27	2.65	1.91	2.33	1.93	3.25	2.45	28.28
1888..	3.53	1.91	1.89	2.30	1.17	2.26	3.13	3.46	4.23	2.20	3.45	2.25	31.78
1889..	3.48	2.83	2.59	2.05	1.17	7.17	3.61	1.20	2.70	3.28	4.11	2.23	36.42
1890..	4.11	2.62	1.49	2.00	4.75	2.60	3.68	1.95	7.55	4.19	3.95	3.48	42.37
1891..	2.44	3.45	3.80	1.73	0.44	1.03	4.83	2.05	1.66	3.51	2.88	4.05	31.87
1892..	3.11	2.23	2.47	1.09	4.62	6.55	5.60	7.45	2.74	2.93	3.97	1.35	44.11
1893..	3.07	3.99	1.32	3.66	4.72	2.26	1.49	5.51	2.80	2.24	2.32	3.22	36.60
1894..	3.40	3.14	1.80	1.75	6.04	3.56	1.85	1.55	3.44	4.41	4.14	2.27	37.35
1895..	1.96	2.05	0.88	0.52	2.90	1.92	2.24	3.61	2.20	2.59	2.83	6.01	29.71
1896..	2.00	5.13	3.67	0.41	2.36	2.31	5.07	2.13	2.51	2.02	3.60	2.36	33.57
1897..	6.78	1.14	4.15	1.49	2.99	4.07	4.22	1.00	0.69	1.40	8.17	4.08	40.18
1898..	2.91	2.50	1.26	1.75	4.10	1.20	1.60	2.93	4.08	5.14	3.25	2.25	32.97
1899..	1.58	1.44	2.38	1.32	2.47	1.49	2.63	1.09	3.60	1.87	2.31	6.09	28.27
1900..	2.92	4.66	6.03	0.53	1.03	1.30	3.10	3.03	2.57	3.32	6.40	3.81	38.70
1901..	3.10	3.04	2.18	4.77	3.08	2.96	3.66	5.30	2.95	2.80	4.23	3.22	41.29
1902..	2.83	1.93	1.89	1.40	1.33	5.57	6.00	3.57	....	....	0.80	5.90	.....
1903..	3.19	2.45	3.91	3.03	0.34	6.48	3.51	4.01	2.21	5.30	2.42	2.84	39.69
1904..	5.55	4.08	4.15	4.06	3.96	4.06	5.62	3.78	7.64	4.05	0.68	6.54	54.17
1905..	2.63	4.22	1.22	3.40	2.68	4.65	4.00	6.52	0.89	4.57	4.40	2.93	42.11
1906..	2.21	1.29	2.31	2.09	2.36	3.67	2.15	4.35	0.79	4.46	2.62	1.31	29.61
1907..	....	....	....	....	....	1.09	2.22	0.33	1.80	4.92	1.98	5.05	.....
1908..	2.85	4.13	3.04	3.77	3.86	4.79	2.51	1.24	1.17	....	1.16	1.92	.....
1909..	3.33	2.84	2.16	3.25	2.15	2.06	1.83	1.77	1.77	1.81	1.58	6.23	30.78
Mean	3.15	2.89	2.79	2.32	2.73	3.29	3.31	2.76	3.05	3.43	3.48	3.81	37.01

PENN YAN, YATES COUNTY—Elevation 750 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1829..	2.13	1.80	2.41	3.14	2.06	3.41	3.20	3.54	4.48	2.38	2.04	1.80	32.39
1830..	1.10	0.87	2.13	3.28	3.56	4.60	3.42	2.21	2.60	1.28	3.16	1.86	30.07
1831..	1.40	1.80	2.26	1.67	2.11	3.30	5.46	3.60	2.90	2.04	2.30	1.06	29.90
1832..	2.16	1.08	2.19	3.20	2.21	4.01	2.90	2.16	3.46	3.10	2.17	2.06	30.70
1833..	0.86	1.37	0.88	2.03	5.25	2.21	3.86	2.82	2.16	1.62	1.07	1.76	25.89
1834..	0.39	0.48	1.28	1.52	3.00	3.74	2.69	1.31	2.09	3.33	1.51	1.05	22.39
1835..	0.86	0.87	1.35	3.47	1.39	4.86	2.77	4.61	1.78	2.18	1.69	0.68	26.51
1836..	3.12	1.62	1.09	1.97	5.66	3.42	0.61	2.69	3.39	2.32	1.22	0.74	27.85
1837..	1.82	2.52	0.90	1.52	3.84	2.96	1.29	3.40	0.82	2.67	1.08	1.74	24.56
1838..	0.78	1.12	1.43	2.11	6.33	5.41	4.18	2.92	1.82	2.18	2.50	0.65	31.43
1839..	2.28	2.11	0.71	2.16	3.29	5.26	4.86	3.07	2.64	1.17	1.76	1.99	31.30
1840..	1.46	1.52	3.76	3.58	3.00	3.26	3.83	1.51	2.07	2.05	1.40	2.10	29.54
1841..	2.22	0.62	1.82	3.00	2.29	3.35	2.79	1.18	2.95	0.68	1.71	1.43	24.04
1842..	0.71	1.41	3.53	3.12	1.67	2.47	2.26	3.89	5.72	2.02	2.70	2.00	31.50
1843..	2.54	1.15	1.44	2.90	1.51	3.35	1.47	2.95	5.67	2.72	2.26	1.22	29.18
1844..	1.13	0.63	1.45	1.00	3.07	0.96	4.63	1.28	0.97	2.80	1.18	1.00	20.10
1845..	1.68	3.17	1.81	2.06	1.49	2.36	1.62	1.59	1.78	3.09	3.22	0.53	24.40
1846..	1.20	3.37	1.83	1.14	1.14	3.08	2.21	3.93	2.25	5.15	2.36	1.27	28.93
1847..	1.49	2.95	0.49	1.73	2.39	1.53	2.88	0.63	3.75	3.64	2.24	4.00	27.72
1848..	0.99	0.38	1.18	0.63	5.36	2.36	3.19	2.78	1.97	0.87	1.69	3.17	22.57
1849..	0.57	0.54	0.85	0.48	3.12	2.20	1.60	1.69	1.37	6.29	2.88	1.38	22.97
1850..	1.70	1.24	1.64	1.07	3.47	2.86	4.35	1.43	3.66	4.49	2.77	3.04	31.72
1851..	1.12	0.68	1.24	2.66	4.18	3.05	4.00	2.06	1.42	1.15	2.54	2.71	26.81
1852..	0.92	....	0.55	2.22	3.24	3.70	2.94	1.85	1.54	2.22	1.94	2.98	.....
1853..	0.75	2.28	1.00	3.51	2.98	1.33	0.82	7.37	5.32	1.20	1.58	1.33	29.47
1854..	1.06	1.25	1.89	4.11	1.47	1.69	0.60	1.89	1.51	1.50	1.36	1.33	19.66
1855..	2.00	1.56	0.67	2.85	3.02	5.96	4.56	1.70	1.34	3.50	1.28	1.52	29.96
1856..	1.79	0.45	1.50	1.86	1.78	3.10	3.25	1.03	2.17	1.10	1.71	1.92	21.66
1857..	0.79	1.07	1.09	4.79	3.37	11.03	2.81	4.87	1.63	6.56	4.23	2.12	44.36
1858..	0.67	0.91	0.97	2.60	3.66	2.81	3.73	2.97	2.81	1.49	2.49	1.67	26.78
1859..	0.87	0.91	2.23	4.50	1.25	3.06	2.91	3.95	3.39	1.52	1.37	3.19	29.15
1860..	0.58	0.52	1.56	1.47	1.62	2.01	3.83	3.88	3.04	3.30	3.02	0.79	26.62
1861..	0.81	2.26	1.48	3.63	3.02	0.73	5.29	4.00	6.05	3.56	1.04	0.87	32.74
1862..	2.58	1.66	4.15	1.32	1.68	3.92	4.98	1.35	1.33	4.37	2.38	1.74	31.46
1863..	2.85	3.02	1.45	0.90	3.48	5.10	10.23	4.30	1.13	2.08	4.05	1.73	40.32
1864..	1.45	0.69	2.30	2.37	5.20	1.41	1.88	7.22	2.05	3.73	2.04	1.63	31.97
1865..	1.35	2.39	2.12	2.24	3.75	3.63	2.64	1.84	5.93	2.98	1.71	1.19	31.77
1866..	0.52	1.55	2.08	1.52	2.17	4.42	1.30	8.38	4.56	1.64	2.68	1.03	26.85
1867..	1.01	0.73	1.47	3.79	8.23	....	0.49	1.34	1.54	1.97	....	....	.....
1869..	....	....	....	....	4.50	3.81	4.06	3.31	3.06	3.19	4.19	3.37	.....
1870..	3.57	4.50	4.13	3.06	3.37	2.69	5.06	1.56	3.19	1.06	0.69	1.44	34.32
1871..	....	....	....	....	....	....	1.81	3.06	0.50	1.37	2.20	0.94	.....
1872..	0.81	1.00	1.37	0.81	....	....	4.00	....	....	7.31	0.81	2.00	.....
1874..	4.50	2.50	2.00	4.06	1.26	1.21	3.93	2.20	2.08	2.37	2.10	1.02	29.23
1875..	1.23	0.57	3.08	2.81	1.40	3.62	2.90	2.73	2.34	2.40	1.42	2.40	26.90
1876..	2.16	4.29	3.78	1.67	1.72	2.91	4.90	1.95	5.48	1.13	2.12	1.70	33.81
1877..	3.11	0.91	3.49	1.40	1.47	3.83	4.29	2.93	1.78	4.70	1.87	1.29	31.07
1878..	4.66	3.43	2.51	3.96	1.84	3.52	4.46	2.96	1.71	4.62	3.97	3.79	41.43
1879..	1.37	1.45	1.94	1.50	1.38	3.27	4.70	2.79	1.58	0.46	2.48	2.01	24.93
1880..	1.71	2.13	1.78	1.30	1.72	1.34	3.30	3.50	1.69	3.16	1.42	0.82	23.87
1881..	3.04	2.38	2.99	0.55	2.67	3.34	2.22	0.52	2.77	3.77	1.94	4.25	30.44
1882..	2.13	1.76	1.89	0.92	3.67	3.84	1.92	3.15	1.03	0.80	1.33	1.02	23.46
1883..	1.04	2.59	1.15	1.94	5.75	6.90	2.33	4.30	2.27	2.37	1.50	1.63	33.77
1884..	3.28	2.15	2.68	1.33	2.73	2.32	3.69	2.13	1.82	1.52	1.09	1.99	26.73
1885..	2.14	1.61	0.40	1.72	2.07	7.54	2.86	4.27	2.05	2.59	1.60	1.35	30.20
1886..	2.58	1.06	1.18	3.64	1.67	2.40	4.24	4.30	2.76	1.90	4.49	1.51	31.73
1887..	0.97	3.61	1.52	1.56	1.34	2.80	4.00	3.76	1.99	1.46	0.97	2.38	26.36
1888..	1.61	0.86	1.74	2.75	4.19	3.16	0.73	4.80	2.63	3.74	2.37	2.51	31.09
1889..	3.29	1.26	....	....	....	....	....	1.28	1.90	0.62	2.61	1.56	.....
1892..	...	....	....	....	....	4.43	....	7.68	....	....	....	....	.....
1894..	....	....	....	....	....	....	....	....	....	....	2.91	....	.....
1897..	....	....	....	....	....	....	....	1.28	1.90	0.62	2.61	1.56	.....
1898..	2.57	1.40	1.61	2.23	2.66	3.35	2.08	4.16	1.88	5.53	2.63	2.15	31.75
1899..	1.70	1.29	2.33	1.27	2.96	1.42	3.44	1.24	2.75	2.17	2.41	2.82	25.70
1900..	1.99	3.09	4.19	1.25	1.06	0.78	3.91	2.36	0.41	3.62	6.04	1.78	30.48
1901..	1.81	1.17	2.30	6.00	4.44	2.82	1.93	6.17	2.09	1.22	1.49	3.89	35.33
1902..	1.44	0.78	1.95	1.59	1.54	4.30	9.04	1.35	2.45	2.32	0.87	1.55	29.18
1903..	1.46	1.25	4.43	2.11	0.30	6.14	5.76	4.51	1.98	3.96	1.31	0.75	33.96
1904..	2.43	1.38	....	....	....	....	....	....	....	....	....	....	.....
1907..	....	....	....	....	2.06	3.10	1.89	0.80	2.83	2.90	2.56	2.87	.....
1908..	1.20	1.71	1.61	2.34	4.13	2.18	4.28	2.86	1.70	2.00	0.82	0.97	25.80
1909..	1.73	2.82	1.38	3.40	2.49	2.27	1.15	2.43	2.21	1.61	0.72	....	.....
Mean	1.72	1.65	1.90	2.32	2.86	3.34	3.30	2.90	2.49	2.59	2.11	1.81	28.99

Record for 1907-9 made at Keuka Park, 5 miles south from Penn Yan. Record for 1869-72 made at Milo, 4 miles southeast from Penn Yan.

PERRY CITY, SCHUYLER COUNTY—Elevation 1,038 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1872..	....	....	....	....	....	1.64	4.81	4.90	2.06	5.75	1.59	2.25	.....
1873..	3.89	0.71	5.74	4.18	2.75	3.22	4.10	5.17	1.73	6.36	2.17	3.71	43.73
1874..	3.00	3.05	2.27	4.80	1.04	2.96	4.87	2.00	3.55	1.85	2.97	1.68	34.04
1875..	2.15	1.60	3.19	2.65	1.37	3.81	1.93	3.21	2.67	4.17	....	2.57	.....
1876..	3.29	4.10	3.83	2.33	2.05	4.41	5.56	0.96	6.70	1.25	2.28	2.56	39.32
1877..	3.96	1.15	3.63	1.35	0.85	4.80	3.42	1.46	2.34	6.37	2.23	0.46	32.01
1878..	4.95	2.75	3.20	2.70	2.14	5.30	5.10	5.03	1.85	9.68	1.24	5.45	49.39
1879..	3.45	1.90	1.80	2.60	0.52	3.50	5.48	1.75	2.72	0.60	3.30	2.67	30.29
1880..	2.55	2.24	2.00	2.27	2.67	2.13	4.02	4.15	4.15	3.90	1.38	1.33	32.79
1881..	3.00	2.50	3.18	0.77	4.71	4.67	3.50	1.73	1.64	4.42	2.72	5.04	37.88
1882..	2.66	2.39	2.60	1.90	4.70	3.76	2.32	3.05	1.26	....	....	....	.....
1889..	4.65	2.03	1.93	2.55	3.34	6.49	7.07	3.04	3.54	3.83	5.30	3.08	46.85
1890..	3.24	2.35	4.05	3.71	6.95	4.55	1.67	6.97	6.98	6.02	2.56	4.02	53.07
1891..	3.34	4.23	3.45	2.16	0.74	4.13	3.54	3.90	0.98	5.46	2.19	4.48	38.60
1892..	4.56	1.54	3.95	1.65	6.08	6.65	6.86	4.12	0.84	1.64	4.63	0.78	43.30
1893..	1.75	2.80	2.43	3.58	5.37	2.13	4.99	5.21	4.12	2.74	0.91	1.87	37.90
1894..	3.13	2.54	0.99	6.10	6.55	4.05	2.86	1.38	5.46	4.33	2.10	3.06	42.55
1895..	2.82	1.40	2.06	1.37	2.49	3.54	2.72	4.67	2.00	0.91	4.16	3.08	31.22
1896..	1.68	3.58	3.70	1.58	3.81	3.67	4.18	2.54	3.97	4.07	2.44	1.40	36.62
1897.	1.81	1.33	2.66	2.56	3.69	4.18	3.55	2.30	2.58	0.86	3.74	2.86	32.12
1898..	2.47	1.68	1.85	3.64	3.36	3.47	1.82	4.68	2.12	6.26	3.90	2.35	37.60
1899..	2.03	1.42	2.93	1.46	2.73	2.38	4.30	0.96	2.42	3.22	3.34	3.02	30.21
1900..	2.52	3.84	3.64	2.00	2.29	1.51	2.66	2.48	1.07	4.76	6.58	2.42	35.77
1901..	2.10	1.42	3.12	4.85	4.80	2.85	5.39	7.37	2.22	0.86	3.36	5.28	43.62
1902..	2.18	1.46	2.28	1.67	2.14	5.52	9.46	4.82	2.40	4.03	1.20	3.69	40.85
1903..	2.28	2.03	5.34	1.86	0.72	7.04	4.94	8.60	0.99	5.79	2.56	1.52	43.67
1904..	2.70	1.83	2.92	3.54	5.61	2.01	5.48	3.10	2.80	3.82	1.07	1.80	36.68
1905..	3.38	0.94	2.37	2.76	2.03	8.21	4.98	3.38	2.48	3.78	1.78	2.25	38.34
1906..	1.13	1.18	4.19	1.80	3.77	7.52	4.98	3.56	2.02	3.71	2.43	3.00	39.29
1907..	2.54	1.18	1.23	4.64	2.99	5.72	1.92	1.71	4.46	4.12	2.77	3.93	37.21
1908..	2.47	2.43	2.61	3.29	4.90	2.68	5.37	3.13	1.67	2.05	1.22	1.55	33.37
1909..	2.78	3.23	1.80	2.67	2.90	2.90	1.76	2.72	3.11	2.45	1.13	1.85	29.30
Mean	2.85	2.16	2.93	2.74	3.23	4.11	4.24	3.56	2.78	3.84	2.64	2.74	37.82

PHOENIX, OSWEGO COUNTY.

1892..	.....	.....	.....	.....	.....	5.82	.....	4.37	1.54	3.33	3.88	4.00	.....
1893..	2.49	3.75	1.80	3.79	5.28	3.83	7.09	4.83	2.32	1.62	1.83	3.30	41.93
1894..	2.31	2.38	1.89	1.71	4.59	5.22	2.13	1.87	4.47	3.92	3.91	3.49	37.89
1895..	3.37	3.49	1.01	1.77	2.42	2.01	2.59	2.67	2.28	1.11	3.83	4.49	31.04
1896..	1.52	5.23	6.26	0.90	2.59	1.54	2.35	3.27	5.15	2.46	4.27	0.86	36.40
1897..	3.83	1.25	4.52	2.39	2.59	3.28	8.56	2.53	1.49	0.90	6.26	3.25	40.85
1898..	4.50	1.60	1.83	3.09	4.14	2.51	2.69	5.26	4.20	4.54	3.80	3.20	41.36
1899..	1.52	3.41	5.08	2.09	3.69	2.09	2.09	4.49	3.26	2.76	2.25	4.71	37.44
1900..	4.67	4.73	5.68	1.98	1.54	2.07	5.86	2.85	1.37	2.78	7.30	3.65	44.48
Mean	3.03	3.23	3.51	2.22	3.36	3.15	4.17	3.57	2.90	2.60	4.15	3.44	39.33

POMPEY, ONONDAGA COUNTY—Elevation 1,300 feet.

1827..	4.75	2.69	1.35	2.20	1.74	2.72	4.34	4.40	3.12	4.92	3.31	2.60	38.14
1828..	1.42	1.68	1.36	2.18	2.01	3.95	8.61	5.39	3.69	1.57	1.54	0.07	33.47
1829..	0.80	0.55	0.10	2.26	1.85	5.02	4.15	2.48	4.32	3.12	0.70	1.88	27.23
1830..	0.40	0.00	0.94	1.70	3.87	5.50	2.91	1.84	3.85	2.32	4.76	1.97	30.06
1831..	1.06	0.85	....	1.72	1.67	4.14	5.51	4.91	3.17	2.82	0.79	....	.....
1832..	0.30	2.00	0.05	1.21	1.96	0.97	3.66	6.45	2.69	2.37	3.09	1.69	26.44
1833..	0.49	0.18	0.18	1.24	5.28	2.66	9.54	2.92	3.26	3.23	0.46	0.70	30.14
1834..	0.06	....	0.76	0.70	2.32	4.28	....	0.64	2.39	2.89	....	....	.....
1835..	2.04	3.05	3.95	2.06	2.47	5.96	2.73	3.71	2.25	3.26	1.82	0.97	34.27
1836..	6.65	1.23	0.74	0.86	4.23	2.82	0.86	1.48	1.24	2.27	0.87	0.23	23.48
1837..	0.79	1.03	0.61	0.91	1.80	5.52	5.80	3.79	2.43	4.29	1.17	2.16	30.30
1838..	0.75	0.64	0.30	0.57	2.46	6.69	3.32	2.75	1.99	2.52	0.67	0.55	23.21
1839..	2.02	0.45	1.27	1.53	3.06	5.27	3.09	2.64	3.04	1.10	0.99	1.08	25.54
1840 .	1.20	2.64	1.46	2.53	3.16	4.84	4.80	2.71	2.23	3.22	2.11	1.89	32.79
1841..	1.64	0.33	2.56	2.01	1.96	3.06	3.08	2.23	2.01	2.98	1.83	1.59	25.28
1842..	1.45	1.71	2.44	0.85	3.01	4.41	3.14	4.70	4.49	1.97	0.96	0.71	29.84
1843..	3.32	1.38	1.60	1.37	2.53	5.37	1.56	3.04	5.71	4.48	0.46	0.56	31.38
1850..	2.60	1.98	1.17	3.41	5.42	5.46	6.86	2.57	5.01	7.46	4.40	4.22	50.56
1851..	0.95	5.21	1.42	3.16	3.44	3.54	4.89	4.69	2.34	2.53	3.79	4.33	40.29
1852..	2.95	1.32	2.78	5.36	3.68	4.52	....	...	1.71	5.28	5.44	1.98	.....
1853..	0.57	2.05	2.13	4.01	4.61	2.18	2.29	6.50	4.32	3.94	3.54	1.47	37.61
1354..	1.90	2.18	2.82	....	1.30	4.32	1.57	1.35	4.62	1.60	2.55	4.30	.....
1855..	1.04	2.95	2.75	3.14	3.65	5.10	2.52	....	....	2.47	1.28	1.28	.....
1856..	0.45	....	0.66	2.80	2.45	1.70	....	....	....	....	....	....	.....
1857..	....	....	....	....	....	....	....	....	....	8.02	3.40	3.46	.....
1858..	2.24	2.08	1.09	....	....	....	....	....	....	....	....	....	.....
Mean	1.67	1.66	1.44	2.08	2.91	4.17	4.06	3.39	3.18	3.36	2.17	1.80	31.89

SOUTH TRENTON, ONEIDA COUNTY Elevation 735 feet.

1863..	2.12	3.13	4.60	3.75	4.01	3.32	3.88	5.12	1.50	1.75	4.50	1.53	39.21
1864..	8.11	4.08	3.75	3.51	3.88	2.93	2.75	7.05	3.64	5.63	2.13	4.21	51.67
1865..	5.70	7.43	6.35	7.20	2.85	5.40	5.77	1.22	2.96	4.78	2.42	3.72	55.80
1866 .	2.85	5.75	4.25	1.32	4.21	7.14	5.01	4.49	8.07	2.76	4.85	2.10	52.80
1867..	2.00	6.49	5.64	5.30	7.64	5.30	0.86	3.34	5.18	3.84	3.91	6.63	56.13
1868..	3.30	2.60	3.90	1.74	7.74	3.82	4.09	5.10	7.15	2.49	4.74	6.30	52.97
1869..	2.87	4.55	4.87	4.91	3.71	6.45	10.70	5.22	5.28	5.63	6.61	4.10	64.90
1870..	4.47	2.91	4.13	2.54	2.77	3.87	6.50	7.01	1.18	8.80	2.58	2.45	49.21
1871..	2.20	5.19	6.73	4.41	2.97	....	4.00	....	2.32	3.86	5.43	2.00	.....
1872..	1.35	5.60	2.57	....	3.59	4.40	5.00	5.58	3.27	5.12	3.66	3.13	.....
1873..	3.00	. .	5.32	1.12	2.62	3.07	6.82	4.87	2.75	6.67	4.72	....	.....
1874..	5.42	8.21	3.83	3.00	3.59	5.79	7.23	3.23	1.70	2.17	2.85	2.61	49.63
1875..	2.27	9.07	2.33	3.39	....	....	5.71	5.17	4.37	....	5.89	2.39	.....
1876..	....	7.82	3.81	4.85	5.56	4.76	4.60	2.34	....	2.85	....	....	.....
n	3.51	5.60	4.43	3.62	4.24	4.69	5.21	4.60	3.80	4.33	4.18	3.43	51.64

ROMULUS, SENECA COUNTY—Elevation 719 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1890..	....	....	....	....	....	....	....	....	....	4.95	1.46	2.06	...
1891..	2.74	2.12	....	....	....	....	....	....	....	4.07	1.25	3.48	...
1892..	3.48	1.98	3.42	1.11	5.04	3.89	2.83	6.06	1.12	1.34	3.21	0.61	34.09
1893..	1.10	2.49	1.90	3.02	6.11	1.41	2.20	4.15	3.26	1.65	0.56	1.89	29.74
1894..	1.94	2.64	0.58	4.57	6.02	2.93	2.90	2.34	4.92	3.92	1.44	2.73	36.93
1895..	1.81	0.56	1.00	1.37	3.40	3.32	3.20	3.90	1.52	1.15	3.80	3.11	28.14
1896..	2.34	3.66	4.47	2.90	4.50	2.43	4.92	3.17	5.10	3.30	2.92	2.08	41.79
1897..	0.97	0.93	3.80	2.53	4.80	2.71	4.14	0.78	3.95	1.21	4.06	2.01	31.89
1898..	4.05	1.81	1.90	3.60	4.31	3.42	2.42	4.97	2.03	8.19	4.48	2.01	43.19
1899..	1.24	1.00	2.35	0.59	2.72	1.04	2.95	1.80	3.08	1.47	3.22	1.75	23.21
1900..	2.83	3.70	3.38	0.59	0.60	0.92	3.63	4.11	0.43	4.89	7.23	1.94	34.25
1901..	1.69	1.28	2.14	4.91	5.37	4.73	4.10	3.62	2.46	0.59	2.92	2.59	36.40
1902..	3.31	1.53	2.17	1.68	3.24	5.96	9.25	2.43	3.68	3.57	1.71	4.68	43.21
1903..	1.56	1.26	5.44	2.77	0.25	10.74	3.40	4.88	1.61	6.76	1.78	1.53	41.98
1904..	3.28	1.50	2.95	3.75	5.17	3.20	3.97	2.15	3.94	2.31	0.32	1.83	34.37
1905..	2.59	0.46	2.95	2.75	1.28	7.33	2.61	4.00	1.94	3.26	0.45	2.37	31.99
1906..	1.41	0.85	2.43	1.26	2.19	7.16	1.37	2.22	1.53	5.42	2.48	2.37	30.69
1907..	2.24	0.95	1.26	2.64	2.90	4.10	2.70	0.60	1.50	1.27	1.38	2.32	23.86
1908..	1.42	1.62	0.65	2.26	1.76	2.40	3.53	3.69	1.48	1.83	1.61	0.76	23.01
1909..	2.22	1.32	1.42	2.19	2.98	2.05	2.78	1.63	1.61	1.43	0.89	1.70	22.22
Mean	2.22	1.67	2.46	2.47	3.48	3.87	3.49	3.14	2.51	3.13	2.36	2.19	32.99

ROSE, WAYNE COUNTY—Elevation 510 feet.

1888..	....	....	1.64	2.87	2.50	4.38	1.88	4.91	3.50	4.17	3.74	2.05	...
1895..	2.22	2.20	1.10	1.72	3.20	3.07	2.58	3.17	2.37	1.35	3.80	5.00	31.78
1896..	2.63	4.87	4.73	0.98	3.04	1.32	4.71	2.68	4.59	1.76	3.64	2.07	37.02
1897..	2.68	1.83	4.01	2.52	2.12	4.75	3.84	1.15	1.12	0.85	4.95	3.57	33.40
1898..	5.90	2.43	2.22	2.32	3.63	1.26	2.07	7.58	3.33	4.90	3.56	1.49	40.69
1899..	0.75	0.92	1.90	2.09	2.90	1.62	3.93	1.49	2.80	2.67	2.13	4.35	27.56
1900..	3.25	4.42	3.50	1.47	1.46	2.14	5.58	2.92	2.44	4.17	6.22	3.45	41.02
1901..	2.05	2.45	....	6.75	2.73	4.67	3.47	3.55	2.02	2.40	2.87	5.31	...
1902..	2.74	2.60	3.72	2.79	3.73	5.78	7.18	4.20	2.46	2.96	1.97	5.15	45.28
1903..	3.66	2.82	5.16	3.37	0.36	7.38	3.03	5.43	2.16	5.70	2.33	1.64	43.04
1904..	3.43	2.94	....	2.83	3.41	4.64	5.43	2.27	3.13	2.29	0.79	3.55	..
1905..	4.95	....	....	....	....	....	....	....	....	....	....	....	..
1907..	....	1.84	2.01	3.12	3.57	2.98	3.08	1.26	3.12	5.33	4.76	3.25	..
1908..	2.12	....	....	3.18	4.29	6.15	4.87	1.97	1.69	3.40	1.95	....	....
Mean	3.03	2.67	3.00	2.77	2.84	3.86	3.97	3.27	2.67	3.23	3.29	3.41	38.01

Record from 1901-05 made at South Butler, 5 miles east from Rose.

SHORTSVILLE, ONTARIO COUNTY—Elevation 740 feet.

1899..	....	....	....	....	....	....	....	....	....	2.12	2.16	2.50	...
1900..	2.75	3.02	4.39	1.07	1.67	1.18	3.42	2.05	1.74	3.14	4.38	0.90	29.71
1901..	1.31	1.31	1.26	4.93	3.56	2.65	4.62	5.60	2.35	1.11	1.87	2.44	33.01
1902..	1.40	1.35	1.98	2.35	2.66	4.36	6.20	1.86	1.66	2.22	1.05	3.10	30.19
1903..	2.12	1.89	3.83	2.29	0.29	5.19	2.59	5.29	1.77	3.37	1.18	1.20	31.01
1904..	4.21	2.11	1.82	2.62	3.50	2.96	5.57	1.79	4.09	1.80	0.40	2.06	32.92
1905..	1.85	1.16	1.31	2.04	2.15	6.18	4.14	2.88	0.77	3.83	1.10	2.19	29.60
1906..	1.16	0.58	....	....	4.11	4.87	4.08	2.93	3.00	4.59	2.14	2.33	.
1907..	2.15	0.67	1.10	2.63	2.30	2.49	2.64	0.99	3.40	4.07	2.88	2.16	27.48
1908..	1.32	1.39	1.79	2.59	3.34	3.93	5.24	2.14	0.79	2.13	1.19	0.68	26.53
1909..	1.82	2.34	1.93	2.61	3.15	2.32	3.45	2.39	2.06	1.58	0.77	0.96	25.38
Mean	2.01	1.58	2.16	2.57	2.67	3.62	4.20	2.79	2.16	2.72	1.74	1.87	30.09

SKANEATELES, ONONDAGA COUNTY—Elevation 873 feet.

1894..	....	....	....	....	....	....	....	....	5.68	3.79	1.72	2.16	...
1895..	2.79	2.86	2.23	1.86	2.58	2.04	2.90	4.28	1.91	0.82	3.46	3.92	31.65
1896..	2.08	3.84	5.56	0.97	2.15	2.31	5.39	4.05	5.08	3.48	2.73	1.41	39.05
1897..	1.77	1.45	4.13	3.16	3.31	3.15	4.92	2.09	2.73	0.95	5.70	3.48	36.84
1898..	3.69	2.10	2.58	3.63	5.28	3.50	1.91	6.17	5.53	5.20	3.95	3.12	46.66
1899..	1.20	1.36	3.65	1.82	4.45	2.61	3.17	3.39	3.29	2.90	3.00	4.19	35.03
1900..	3.56	2.98	5.12	1.56	2.25	1.44	6.18	1.85	1.65	3.40	7.14	3.00	40.13
1901..	2.67	3.35	3.67	4.85	4.46	6.03	3.36	5.80	2.38	2.56	4.05	5.21	48.39
1902..	1.63	2.44	4.13	2.50	4.25	7.70	5.92	2.79	1.95	4.71	2.12	3.63	43.77
1903..	3.75	2.65	5.70	2.77	0.63	6.10	4.50	5.74	1.80	6.77	2.95	2.01	45.37
1904..	4.07	3.17	3.06	3.39	3.71	3.85	4.53	2.11	4.82	3.76	1.31	2.52	40.30
1905..	2.30	1.88	3.08	2.77	2.43	8.61	3.04	7.65	1.67	4.93	2.46	3.97	44.79
1906..	2.12	1.46	3.60	3.04	5.01	4.91	3.95	5.44	2.46	5.42	3.44	3.35	44.20
1907..	3.28	1.34	1.40	4.44	3.04	4.27	3.32	1.34	4.18	4.90	3.45	4.14	39.10
1908..	2.30	2.97	2.72	3.63	5.32	3.19	3.90	1.29	1.01	2.33	1.82	2.08	32.56
1909..	3.28	4.30	3.69	4.21	4.82	1.86	3.27	1.84	2.48	2.40	2.69	2.66	37.50
Mean	2.70	2.54	3.62	2.97	3.58	4.10	4.02	3.72	3.04	3.65	3.25	3.18	40.37

ROME, ONEIDA COUNTY—Elevation 445 feet.

1889..	....	....	....	....	2.09	6.25	6.56	1.67	3.97	3.12	5.35	4.55	.
1890..	5.68	2.77	4.00	4.03	7.00	6.59	3.21	5.70	8.59	7.26	5.96	4.03	64.82
1891..	5.18	5.99	3.74	....	....	....	....	....	....	3.34	5.54	5.77	..
1892..	4.81	7.77	7.36	1.69	6.11	5.02	4.62	7.04	3.34	2.30	3.70	1.70	55.46
1893..	2.00	7.04	3.16	3.97	6.47	1.79	2.96	6.68	3.54	2.55	2.10	5.43	47.69
1894..	3.77	3.80	2.50	2.39	5.01	5.98	2.01	2.40	6.07	4.65	1.78	2.75	43.11
1895..	1.89	2.88	0.89	2.55	2.61	2.05	3.35	3.49	2.51	2.01	4.32	4.15	32.70
1896..	2.17	7.59	4.74	1.25	2.85	1.51	6.04	1.92	4.57	1.90	5.06	2.52	42.12
1897..	3.10	1.69	4.90	3.36	4.12	4.87	4.92	2.71	2.30	0.38	6.25	3.49	42.09
1898..	5.44	2.38	3.45	4.19	3.82	3.76	4.18	10.98	3.95	3.80	3.50	3.47	52.92
1899..	3.11	2.35	6.84	1.61	3.65	2.82	2.85	1.55	2.00	2.17	3.48	3.93	36.36
1900..	3.29	2.30	5.35	1.73	0.81	3.27	10.22	6.62	3.35	2.65	8.39	4.26	52.24
1901..	3.25	1.30	3.57	3.26	5.56	5.40	3.75	2.23	4.62	2.38	3.15	5.51	43.98
1902..	0.54	3.83	4.40	3.45	4.43	6.79	6.82	4.14	3.36	4.70	2.20	4.68	49.54
1903..	3.29	3.05	5.95	3.30	0.08	7.25	6.20	3.46	1.20	7.95	3.11	2.96	47.80
1904..	5.27	2.55	3.68	3.49	4.18	3.88	6.37	5.85	4.42	3.75	0.72	4.66	48.82
1905..	2.53	....	....	....	....	....	....	....	....	....	....	..	.
Mean	3.46	3.62	4.30	2.88	3.92	4.48	4.94	4.43	3.85	3.43	4.04	3.99	47.34

SOUTH TRENTON NO. 2, ONEIDA COUNTY—Elevation 735 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1863..	....	....	....	....	....	....	....	5.25	....	....	4.00	2.02	.....
1864..	....	5.49	3.23	3.50	4.48	1.71	2.70	7.59	3.75	6.33	2.71	6.98	.....
1865..	4.50	4.25	6.35	7.20	2.75	5.40	2.77	1.22	3.97	4.78	2.42	3.72	49.33
1866..	2.65	5.75	4.25	1.31	4.21	7.14	5.07	4.49	8.07	2.84	5.34	4.10	55.22
1867..	2.20	6.49	5.30	5.54	7.62	5.30	0.86	3.34	5.18	3.84	4.86	9.35	59.88
1868..	6.60	2.60	4.60	3.04	7.54	3.82	4.09	5.10	7.15	2.59	4.74	3.91	55.78
1869..	5.57	3.55	4.86	4.91	3.71	6.46	10.70	5.22	5.28	5.84	6.61	4.30	67.01
1870..	4.97	3.91	6.68	2.54	2.77	3.81	6.50	7.01	1.18	8.00	3.39	2.45	53.21
1871..	2.70	5.19	7.34	4.41	2.97	....	4.00	....	2.32	3.86	5.43	2.00	.....
1872..	1.35	5.60	2.67	....	4.18	4.40	5.00	5.58	3.27	5.12	3.66	3.13	.....
1873..	3.00	....	5.32	1.12	2.62	3.07	6.82	4.87	2.75	6.67	4.72	....	.....
1874..	5.42	8.21	3.83	3.00	3.59	5.79	7.23	1.70	....	2.17	2.85	2.61	.....
Mean	3.90	5.10	4.95	3.66	4.22	4.69	5.07	4.67	4.29	4.73	4.23	4.05	53.56

SYRACUSE, ONONDAGA COUNTY—Elevation 579 feet.

1843..	2.46	1.83	3.63	1.63	1.10	3.00	2.19	2.15	4.68	5.41	2.83	2.12	33.03
1850...	....	....	....	....	....	....	....	....	4.96	5.90	4.39	4.71	.....
1851..	1.62	3.93	1.54	2.99	1.95	4.64	4.19	3.84	2.18	....	3.22	2.79	.....
1852..	3.67	1.31	3.23	3.52	4.49	3.77	2.88	2.72	2.77	4.62	4.35	4.11	41.44
1891..	3.88	3.97	....	....	0.45	1.46	2.84	....	....	3.06	2.53	....	.....
1902..	....	....	....	....	....	....	....	....	1.55	3.28	1.63	3.68	.....
1903..	3.41	2.58	4.65	2.34	0.28	5.80	3.63	5.41	0.99	6.36	2.01	1.92	39.38
1904..	4.50	2.24	2.82	3.20	3.40	2.66	3.80	2.91	2.29	2.26	0.32	2.80	33.20
1905..	2.07	1.78	2.75	2.41	2.21	6.66	4.46	6.07	2.53	3.11	1.19	3.21	38.45
1906..	2.16	0.76	4.23	2.21	3.10	6.70	4.27	2.76	1.35	3.84	2.21	2.90	36.49
1907..	2.58	1.00	1.57	3.44	2.36	3.57	4.88	1.26	3.25	3.40	2.25	2.74	32.30
1908..	2.22	2.23	2.55	3.33	3.49	2.78	3.68	0.66	0.82	2.78	0.97	1.45	26.96
1909..	3.00	4.55	3.80	3.09	2.84	2.25	1.72	1.96	1.68	1.31	1.29	1.76	29.25
Mean	2.87	2.38	3.08	2.87	2.33	3.94	3.50	2.97	2.42	3.78	2.24	2.85	35.23

ST. LAWRENCE GROUP.

BLUE MOUNTAIN LAKE, HAMILTON COUNTY—Elevation 1,750 feet.

1900..	3.00	4.50	4.60	0.90	2.41	2.50	3.10	3.65	1.27	1.90	7.05	2.20	37.08
1901..	1.30	1.10	3.60	3.05	5.00	4.55	6.30	6.00	2.80	3.00	2.95	5.60	45.25
1902..	......	2.20	4.35	3.70	5.85	5.50	7.20	5.30	2.45	4.25	2.15	3.45	.....
1903..	3.40	2.95	5.75	1.85	T.	6.75	4.92	5.00	1.80	8.20	2.05	6.70	49.37
1904..	3.65	3.00	4.70	3.30	3.55	2.60	3.88	3.60	8.21	4.71	0.51	3.30	45.01
1905..	4.85	1.30	1.60	3.63	3.96	11.59	5.71	5.08	8.50	3.95	2.48	3.92	56.57
1906..	2.75	1.10	2.35	2.58	7.52	4.80	4.06	2.49	4.11	4.08	2.82	2.83	41.49
1907..	2.55	1.30	1.57	2.97	3.71	3.60	2.86	0.60	10.35	5.44	2.65	5.17	42.77
1908..	4.67	5.64	2.45	......	6.88	1.69	3.27	1.59	2.85	2.44	3.17	2.90	.....
1909..	4.08	7.32	4.37	3.64	6.69	3.59	......	3.15	1.98	2.30	2.25	3.30	.....
Mean	3.36	3.04	3.53	2.85	4.56	4.72	4.59	3.65	4.43	4.03	2.81	3.94	45.51

CANTON, ST. LAWRENCE COUNTY—Elevation 448 feet.

1855..	....	....	....	2.50	....	....	....	....	....	....	....	....	.....
1856..	3.40	1.15	0.98	1.17	3.28	2.06	1.51	....	....	....	....	....	.....
1857..	....	....	....	....	....	....	....	....	....	4.80	....	5.37	.....
1858..	....	....	....	1.73	2.38	3.61	5.60	3.48	2.93	....	....	....	.....
1871..	....	....	....	....	....	....	....	....	....	1.71	2.70	2.40	.....
1872..	1.54	1.21	1.40	0.75	2.38	2.88	2.95	4.76	4.07	5.36	2.16	2.39	31.85
1873..	2.97	1.08	4.40	2.73	1.74	0.98	5.91	0.90	3.20	4.62	2.12	2.17	32.82
1875..	2.38	1.85	1.43	1.05	3.11	1.92	2.93	3.61	4.14	2.00	1.91	1.94	28.27
1876..	1.90	3.47	3.60	1.61	1.63	2.36	2.84	....	....	....	....	....	.....
1888..	....	....	....	....	....	....	....	....	....	....	6.04	2.40	.....
1889..	6.13	2.52	0.91	2.61	3.25	6.70	8.25	2.08	2.67	3.52	3.59	3.63	45.86
1890..	4.46	4.19	1.68	2.14	4.76	3.33	3.80	4.19	4.94	2.28	4.06	1.94	41.77
1891..	2.57	1.86	2.61	2.43	1.44	1.46	6.25	6.06	1.33	3.12	3.06	3.31	35.50
1892..	2.87	1.34	2.52	1.37	5.21	6.81	3.98	8.93	2.68	1.61	4.19	1.09	42.60
1893..	1.68	1.94	0.92	2.29	7.21	3.05	....	....	....	....	....	....	.....
1894..	2.00	1.70	1.60	1.59	4.11	2.20	2.92	0.85	3.36	4.23	2.75	2.35	29.66
1895..	2.30	2.55	2.00	2.47	1.67	2.34	2.96	5.14	5.03	0.53	5.42	6.31	38.72
1896..	2.25	5.46	4.49	2.66	1.51	3.39	3.25	3.89	5.46	1.02	3.26	0.80	37.43
1897..	2.70	1.65	2.65	3.16	3.49	2.50	7.58	3.33	1.24	0.64	5.38	3.21	37.53
1898..	6.76	3.13	1.47	1.47	2.69	3.93	1.96	6.00	6.63	4.35	2.01	2.52	42.92
1899..	1.71	1.22	3.87	2.40	3.12	2.10	3.57	0.61	3.08	2.61	2.96	4.50	31.75
1900..	3.49	4.18	4.73	0.93	2.79	5.65	2.24	4.30	4.90	2.84	5.47	1.30	42.82
1901..	1.40	1.30	3.69	3.86	5.77	4.91	2.98	4.91	4.98	3.70	3.20	5.51	46.21
1902..	2.24	2.85	2.67	3.10	3.30	5.67	....	....	....	....	1.29	2.31	.....
1906..	....	....	....	....	....	...	2.26	2.64	4.35	5.32	2.41	3.03	.....
1907..	2.42	0.89	2.61	3.45	2.43	3.66	1.85	1.22	4.74	3.02	2.98	4.36	33.63
1908..	2.05	3.94	3.04	2.59	6.45	1.72	4.95	1.01	1.83	1.71	2.19	2.12	33.60
1909..	3.00	3.82	3.25	3.39	5.27	1.51	3.35	2.59	3.25	1.33	3.35	1.29	35.40
Mean	2.83	2.42	2.57	2.23	3.43	3.25	3.81	3.52	3.74	2.87	3.30	2.88	36.85

GABRIELS OR PAUL SMITHS, FRANKLIN COUNTY—Elevation 1,729 feet.

1900..	......	......	......	......	2.57	4.14	4.92	7.47	4.65	1.72	8.84	2.88	.....
1901..	2.18	1.50	2.79	3.04	4.18	5.02	5.47	4.11	3.24	2.83	2.38	3.25	39.99
1902..	1.52	2.87	3.98	3.69	3.63	5.04	3.34	3.12	1.91	3.03	1.86	2.70	36.69
1903..	3.35	3.12	2.99	2.57	0.20	4.55	4.92	5.02	0.85	4.51	0.22	2.90	35.20
1904..	3.50	1.59	3.75	2.13	2.50	3.02	3.07	3.85	6.08	5.34	1.31	2.30	38.44
1905..	2.82	1.10	0.60	2.63	1.65	5.11	3.08	3.00	1.85	1.95	0.95	1.95	27.09
1906..	0.70	1.55	2.00	0.80	0.89	3.72	3.62	1.65	2.69	1.72	2.31	1.93	23.58
1907..	1.19	......	1.04	1.81	1.87	3.02	......	......	......	......	......	......	.....
1908..	......	......	......	......	4.83	1.38	2.50	......	......	1.60	3.44	2.82	.....
1909..	2.61	2.80	2.44	2.43	4.68	1.61	4.72	3.97	3.40	1.86	3.15	1.47	35.14
Mean	2.23	2.13	2.45	2.39	2.70	3.66	3.96	4.02	3.08	2.73	2.72	2.47	34.54

DEKALB JUNCTION, ST. LAWRENCE COUNTY—Elevation 441 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1890..	....	....	....	....	....	3.99	2.93	6.27	5.87	2.30	3.72	1.85	.....
1891..	2.99	3.30	4.40	2.05	1.47	2.00	5.73	6.26	2.65	3.14	4.76	3.31	42.06
1892..	3.08	1.61	2.89	1.53	4.67	5.72	5.40	9.82	3.23	1.69	4.86	1.77	46.27
1893..	1.36	2.21	1.29	2.29	6.38	2.37	5.44	9.14	3.13	1.36	2.55	5.01	42.53
1894..	2.95	1.56	2.39	1.37	4.24	2.28	3.41	0.91	3.60	3.47	2.59	1.90	30.67
1895..	2.50	1.01	1.16	2.63	2.36	1.88	3.68	4.84	4.50	0.82	5.34	5.38	36.10
1896..	1.40	3.81	3.30	1.28	1.84	5.31	4.56	3.03	5.61	1.08	2.76	0.91	34.89
1897..	2.47	1.02	3.19	2.81	3.14	2.65	4.84	2.46	....	0.86	4.72	2.84	.....
1898..	4.76	1.85	1.46	1.22	3.62	3.18	2.80	4.24	6.06	4.32	2.08	2.13	37.72
1899..	1.92	1.54	5.46	1.62	2.59	1.60	2.74	0.77	3.63	2.61	3.00	4.77	32.25
1900..	3.29	3.33	3.22	0.69	2.30	2.88	2.50	3.29	4.46	2.54	7.33	2.26	38.09
1901..	2.13	0.94	4.67	4.36	4.80	3.76	3.12	5.66	3.72	2.72	3.84	4.03	43.75
1902..	1.76	2.17	3.91	2.47	3.48	4.62	2.72	2.14	0.50	2.53	1.66	3.90	31.86
1903..	3.93	3.22	2.85	2.85	0.28	4.73	5.45	4.15	1.79	5.25	1.35	2.14	37.99
1904..	2.25	1.97	2.99	3.11	2.91	3.02	4.42	3.21	5.21	2.70	0.87	1.45	34.11
1905..	2.33	1.67	1.58	1.87	3.19	4.56	5.70	2.72	1.94	4.33	2.14	3.99	36.02
1906..	1.49	0.72	2.30	0.88	1.36	6.88	2.92	5.65	3.86	5.65	2.54	3.37	37.62
Mean	2.54	2.00	2.94	2.06	3.04	3.61	4.02	4.39	3.74	2.79	3.30	3.00	37.43

GOUVERNEUR, ST. LAWRENCE COUNTY—Elevation 400 feet.

1833..	1.66	4.19	0.77	1.32	3.81	4.27	2.75	5.79	2.41	3.38	1.79	1.66	33.80
1834..	1.17	1.19	1.93	1.85	2.52	5.79	0.84	1.52	2.54	3.73	2.63	0.95	26.66
1835..	5.80	2.22	3.25	8.25	3.95	2.69	4.85	4.85	2.44	4.57	2.82	0.47	46.16
1837..	....	....	....	....	....	....	3.44	2.64	3.97	2.87	3.31	0.72	.....
1838..	1.45	0.24	0.50	0.50	2.03	1.00	1.60	2.80	1.84	5.00	2.34	0.72	20.02
1839..	3.30	0.55	0.60	0.96	3.14	2.88	3.52	0.16	1.34	0.60	1.10	1.48	19.63
1340..	0.16	0.49	1.82	2.49	1.89	2.62	0.52	....	....	....	....	0.60	.....
1841..	2.60	0.12	2.46	0.90	1.69	1.82	2.69	1.55	3.14	1.03	2.35	2.42	22.77
1842..	1.10	2.67	1.09	0.26	0.77	0.66	0.77	0.09	2.69	2.74	1.80	4.30	18.94
1843..	1.68	2.50	0.00	0.70	0.14	1.30	2.00	0.30	1.00	4.75	1.10	0.26	15.73
1844..	2.60	0.45	1.68	0.40	1.99	2.63	3.35	3.07	1.45	5.39	1.15	1.30	25.46
1845..	3.21	5.20	2.85	3.02	2.10	4.23	0.69	0.10	6.07	2.37	3.51	1.76	35.11
1846..	1.54	3.06	1.60	0.45	3.15	2.00	1.87	....	4.13	....	....	....	.....
1847..	2.44	....	0.58	0.78	1.27	3.17	....	....	2.19	2.16	3.47	3.24	.....
1848..	2.49	2.35	2.05	1.90	4.16	3.44	3.89	1.81	0.98	0.61	0.99	1.03	25.70
1849..	1.44	0.51	1.34	1.45	0.72	1.28	0.66	0.81	....	....	....	....	.....
1854..	2.62	0.30	2.00	2.60	1.35	3.50	0.10	1.85	4.75	4.90	2.80	2.21	28.98
1855..	2.58	0.10	1.65	0.85	0.40	6.60	3.05	1.30	1.75	4.90	0.15	2.33	25.66
1861..	2.70	3.10	1.35	3.45	4.75	3.75	9.00	2.75	6.30	3.60	5.00	5.00	50.75
1862..	3.82	2.10	4.98	1.17	2.55	1.96	2.10	3.06	2.46	3.49	2.77	2.82	33.28
1863..	3.03	3.89	2.60	1.66	2.13	1.28	2.84	1.75	3.44	2.33	3.73	2.56	31.24
1864..	2.04	1.70	2.47	3.21	3.27	0.52	0.74	2.65	5.65	4.30	5.78	4.29	36.62
1865..	1.48	1.57	2.84	3.13	1.51	3.91	1.85	0.99	2.36	3.32	2.38	2.50	27.79
1866..	1.55	2.79	2.61	2.46	3.06	4.14	2.45	5.96	6.02	2.61	3.94	3.76	41.35
1867..	1.21	2.62	1.49	4.42	6.92	1.72	2.52	1.99	2.76	3.09	1.81	0.96	31.51
1868..	2.00	1.53	1.86	1.65	4.33	1.82	1.91	1.25	3.58	1.95	5.13	1.77	28.78
1869..	1.78	5.15	2.50	1.18	3.82	3.81	3.13	1.74	4.04	5.66	2.76	2.68	38.25
1870..	4.25	2.73	2.79	0.96	1.01	3.50	2.37	1.87	2.70	3.64	1.71	3.34	30.87
1871..	1.84	1.47	4.46	1.41	1.76	1.58	3.33	2.84	1.48	1.63	1.83	3.19	26.82
1872..	1.23	1.47	1.63	0.57	2.44	2.80	2.66	2.16	2.59	4.80	3.20	2.25	27.80
1873..	4.17	1.21	5.30	2.76	1.68	3.78	4.18	2.21	2.42	5.03	2.74	2.39	37.87
1874..	4.93	2.57	3.41	2.88	0.79	2.62	3.84	1.39	2.37	3.87	2.55	1.56	32.78
Mean	2.38	2.00	2.14	1.92	2.42	2.81	2.56	2.11	3.03	3.39	2.64	2.15	29.55

NORTH HAMMOND, ST. LAWRENCE - Elevation 300 feet.

1866..	1.55	2.49	4.53	3.07	......	8.74	3.21	9.63	10.44	4.14	6.78	6.11	.....
1867..	3.36	4.52	1.56	5.60	8.00	1.33	4.16	3.45	3.54	5.08	3.17	2.94	46.71
1868..	1.58	1.29	3.93	0.77	5.37	0.82	1.00	1.55	5.60	1.44	6.37	1.84	31.56
1869..	2.40	4.90	1.96	0.95	3.77	3.10	1.54	1.74	5.30	7.24	3.77	4.60	41.27
1870..	5.94	3.11	2.73	0.65	0.68	0.97	1.27	2.06	3.13	6.72	2.14	2.50	31.90
1871..	1.39	2.54	5.37	4.46	2.29	1.88	4.23	3.21	0.69	......	3.10	2.31	.....
1872..	1.93	2.00	1.35	0.74	4.72	2.72	2.18	2.58	3.19	9.21	1.98	1.16	33.76
1873..	3.99	1.17	5.56	1.59	1.27	1.14	10.31	3.21	3.93	6.68	3.19	....	.....
1874..	4.06	0.96	2.89	2.00	2.75	2.21	4.33	0.37	1.73	3.03	1.73	0.94	27.00
1875..	2.68	1.87	2.23	6.89	5.05	2.08	2.45	3.41	......	......	2.30	2.94	.....
1876..	3.35	4.96	4.85	2.15	0.66	1.30	3.28	0.45	2.59	......	......	......	.....
1888..	......	......	......	......	......	......	......	......	......	......	3.42	1.58	.....
1889..	2.64	1.01	......	2.17	2.35	7.36	4.08	1.78	2.48	3.49	3.80	4.11	.....
1890..	3.27	4.38	1.81	1.78	3.59	3.12	2.78	3.63	3.66	......	2.85	1.75	.....
1891..	3.20	3.04	5.08	1.80	1.04	1.82	5.36	5.18	1.48	3.08	2.33	3.25	36.66
1892..	2.58	1.34	2.05	1.89	4.29	8.25	4.21	11.78	3.25	1.39	3.74	0.95	45.72
1893..	2.28	1.83	0.98	3.52	6.03	1.96	......	6.75	2.10	0.75	2.26	3.53	.....
1894..	2.80	0.92	2.68	1.31	4.07	3.35	3.88	1.08	2.92	5.31	2.01	......	.....
1895..	3.58	1.18	1.41	2.70	1.41	0.69	2.94	3.48	2.70	0.76	5.48	4.72	31.05
1896..	1.06	3.20	3.34	1.33	2.78	2.36	2.43	4.06	4.50	1.35	2.31	1.02	29.74
1897..	1.47	1.35	4.82	2.57	3.91	2.92	4.33	2.19	1.70	0.78	4.01	2.51	32.56
1898..	2.57	2.75	2.08	1.44	3.08	2.03	0.68	5.06	4.41	4.42	1.53	1.37	31.42
1899..	2.02	1.26	4.77	1.13	3.95	1.83	2.46	0.82	3.90	2.69	2.58	3.79	31.20
1900..	2.18	3.31	3.70	1.14	2.68	2.51	2.79	2.97	2.43	3.13	5.30	1.20	33.34
1901..	1.48	0.74	4.78	5.42	4.46	3.90	3.87	5.16	3.30	2.29	2.09	2.76	40.25
1902..	2.01	2.20	3.80	2.36	2.94	3.90	2.02	1.92	1.46	2.11	1.87	2.25	28.34
1903..	2.35	2.62	2.48	3.41	0.16	5.53	5.30	5.34	1.27	5.12	......	0.84	.....
1904..	1.66	1.90	2.50	2.96	3.25	3.39	4.00	3.40	4.95	1.69	0.32	0.64	30.66
1905..	1.20	2.25	0.99	......	......	4.05	5.54	3.11	2.15	......	......	......	.....
1906..	2.24	0.70	2.12	......	......	7.53	......	......	2.34	4.38	2.04	......	.....
1907..	......	......	1.06	2.54	1.42	2.41	1.15	......	4.28	3.02	2.92	......	.....
1908..	......	......	......	......	......	......	5.10	......	......	......	......	......	.....
Mean	2.55	2.27	3.01	2.44	3.18	3.17	3.48	3.55	3.29	3.43	3.03	2.37	35.77

FAUST, FRANKLIN COUNTY—Elevation 1,552 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1899	....	....	....	....	....	1.78	3.43	**1.00**	**2.75**	2.85	2.51	2.48	....
1900	**2.95**	3.46	3.02	0.60	2.28	2.90	4.79	6.00	3.59	2.05	7.35	1.26	40.25
1901	2.19	0.88	3.26	2.41	4.64	4.92	4.51	6.32	4.11	2.68	**2.35**	2.54	40.81
1902	1.68	3.45	4.68	4.40	5.10	5.38	4.60	3.70	1.26	7.26	**1.75**	2.96	46.22
1903	3.92	3.00	4.56	1.95	0.15	5.56	7.78	4.72	**0.85**	**4.80**	**0.20**	**2.60**	40.09
1904	**3.40**	**2.00**	3.20	1.67	2.64	2.80	3.90	3.83	7.74	3.84	0.55	5.00	40.57
1905	3.02	2.14	0.83	2.63	3.85	10.75	7.44	5.41	4.15	2.85	1.45	2.09	46.62
1906	1.70	0.99	1.40	0.86	1.58	5.47	6.43	**2.00**	**3.30**	**2.90**	1.73	2.72	31.08
1907	1.40	2.42	1.08	1.00	**1.75**	2.22	....	....	....	....	1.51	1.44	....
1908	1.82	4.03	2.08	**2.70**	**5.00**	**2.50**	3.06	3.48	1.45	....	....	....	....
1909	....	2.78	2.29	2.50	....	2.12	3.55	1.65	3.29	....	....	2.06	....
Mean	2.45	2.52	2.64	2.07	3.00	4.22	4.95	3.81	3.25	3.66	2.16	2.52	37.25

MOIRA, FRANKLIN COUNTY—Elevation 200 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1900	3.03	1.99	4.95	1.17	4.30	4.41	3.46	3.99	3.95	1.90	6.22	1.65	41.02
1901	3.10	2.30	4.85	4.16	4.00	4.63	3.13	6.40	5.32	2.91	4.36	4.19	49.35
1902	2.89	2.80	3.93	2.60	3.80	4.29	4.61	2.98	1.36	2.44	1.26	**2.40**	35.36
1903	**2.70**	3.53	3.30	2.61	0.05	6.71	5.57	3.91	0.52	4.52	1.33	3.69	38.44
1904	3.10	2.88	3.21	3.13	1.77	3.69	3.79	3.41	5.17	1.58	1.19	1.76	31.68
1905	2.70	3.80	1.96	2.73	2.74	3.66	10.73	3.50	3.44	3.55	2.23	2.40	43.44
1906	2.05	1.48	2.35	0.64	3.55	4.97	1.85	2.95	3.93	4.28	2.32	3.70	34.07
1907	2.18	2.20	2.64	3.44	2.46	2.36	2.78	1.01	5.15	3.59	2.55	5.87	36.23
1908	3.72	7.00	3.49	1.65	4.54	2.29	4.86	2.19	1.19	1.55	1.41	3.90	37.79
1909	3.34	3.91	2.00	2.62	4.05	1.49	3.05	2.14	3.78	1.15	1.88	1.73	31.14
Mean	2.88	3.19	3.27	2.48	3.13	3.85	4.38	3.25	3.38	2.75	2.48	3.13	38.17

OGDENSBURG, ST. LAWRENCE COUNTY—Elevation 175 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1838	2.36	0.97	1.18	0.40	4.81	3.57	1.88	2.55	1.01	2.73	2.07	1.08	24.61
1850	....	....	....	....	....	....	....	....	3.09	3.51	3.20	3.82	....
1851	1.92	2.92	1.42	2.56	4.82	1.90	3.42	1.57	0.93	1.92	4.00	3.64	31.02
1852	1.79	2.70	4.88	1.22	1.68	3.70	2.97	2.97	3.00	3.38	4.12	5.72	38.13
1853	1.18	3.26	1.92	2.26	4.51	0.77	1.98	3.31	7.00	3.78	3.42	1.65	35.04
1854	3.29	3.14	2.73	3.71	2.13	2.70	0.30	....	....	....	....	....	....
1856	....	....	....	....	....	15.67	1.04	3.33	2.90	1.80	2.33	....	....
1857	1.62	4.14	2.94	4.32	2.06	5.40	4.37	3.83	2.23	2.50	....	....	....
1858	....	1.96	....	2.55	2.40	3.37	6.36	5.09	4.03	2.14	1.22	2.61	....
1859	3.09	1.39	5.39	4.20	1.30	2.31	2.10	3.81	3.11	1.02	5.16	....	....
1860	....	2.80	....	....	2.42	2.77	....	....	....	....	....	....	....
1892	....	....	....	....	....	....	....	....	2.39	0.97	4.07	1.83	....
1893	2.93	**2.41**	**0.86**	1.95	5.82	2.20	1.20	5.69	1.88	0.63	1.88	4.30	31.75
1894	5.65	**1.40**	**2.10**	0.94	3.18	1.43	1.43	0.36	3.40	3.49	2.69	**2.35**	28.42
1895	**3.05**	1.90	**1.45**	2.61	3.11	0.97	....	2.61	3.25	0.93	....	5.90	....
1896	1.09	**3.75**	**3.60**	0.72	2.10	2.57	3.98	4.76	3.64	0.73	3.01	1.06	31.01
1897	1.65	1.79	4.18	3.98	2.86	1.88	4.62	1.40	0.56	1.19	4.01	2.77	30.89
1898	2.82	1.86	1.59	0.83	2.44	2.82	4.20	4.06	3.06	3.13	0.94	1.05	28.80
1899	1.13	1.23	4.31	1.31	1.79	1.46	3.11	0.83	3.49	2.62	2.09	2.43	25.80
1900	2.93	2.32	3.00	0.87	3.48	5.91	3.67	2.91	2.90	2.48	3.66	0.89	35.02
1901	1.03	0.48	2.53	4.49	5.23	3.05	3.72	4.37	2.94	2.01	2.15	2.07	34.07
1902	1.13	0.96	2.99	2.44	2.01	4.48	1.58	2.17	0.88	2.40	0.95	2.16	24.15
1903	2.78	2.77	2.29	1.80	0.17	8.53	6.61	4.86	1.21	4.74	0.71	1.13	37.60
1904	1.52	1.29	1.75	2.08	2.69	3.29	4.13	2.98	5.26	1.56	0.49	0.87	27.91
1905	1.14	1.13	0.92	0.96	2.10	3.84	6.46	4.54	1.30	3.56	1.59	2.15	29.69
1906	1.07	0.58	**2.35**	1.03	1.95	3.78	2.15	2.77	2.98	4.33	2.43	1.87	27.29
1907	1.09	0.65	1.34	2.18	2.47	1.73	2.06	0.57	3.92	2.71	3.22	2.87	24.81
1908	3.24	5.38	3.00	0.86	4.12	2.14	4.56	1.73	1.08	2.08	2.03	1.95	32.17
1909	2.97	3.35	3.48	2.87	4.54	1.94	3.96	2.47	4.72	1.06	2.83	1.85	35.04
Mean	2.19	2.17	2.59	2.12	2.93	3.49	3.27	3.02	2.82	2.35	2.57	2.42	31.94

POTSDAM, ST. LAWRENCE COUNTY—Elevation 300 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1828	3.50	2.05	0.51	1.79	3.44	2.53	5.45	4.05	4.60	2.72	2.58	2.45	35.67
1829	0.59	1.66	0.65	2.22	3.20	4.81	3.91	1.36	2.71	2.09	1.78	2.93	27.91
1830	0.63	0.03	2.56	0.20	2.72	5.86	6.90	2.65	3.52	2.58	3.97	2.85	31.47
1831	0.60	0.66	2.90	2.40	3.64	2.91	3.94	3.08	4.65	3.08	1.20	1.30	30.36
1832	0.60	1.80	0.58	1.26	2.31	1.52	2.87	1.34	2.74	3.62	2.67	0.80	22.11
1833	1.25	0.79	0.86	1.87	4.30	4.48	6.87	7.83	4.32	5.28	0.87	0.52	39.27
1834	0.35	0.57	2.32	2.60	3.22	3.81	2.53	1.40	2.16	3.56	1.97	0.71	25.20
1835	1.43	1.53	0.47	2.59	2.58	2.48	4.30	4.48	2.34	4.70	2.20	0.58	29.68
1836	0.36	1.03	0.40	0.58	3.53	3.31	3.26	3.25	0.47	2.37	0.17	0.81	19.54
1837	0.74	1.31	2.80	1.55	3.49	1.91	2.87	3.13	3.46	2.87	3.30	1.15	28.58
1838	2.66	0.30	1.04	1.31	3.73	4.40	3.11	2.06	2.39	3.08	1.97	0.73	26.78
1839	2.70	0.70	1.20	0.34	2.08	3.19	4.81	2.20	3.03	0.83	0.81	1.09	22.98
1840	1.02	1.38	2.31	3.91	2.70	3.19	4.18	3.18	2.95	3.32	1.62	2.72	32.48
1841	0.91	0.29	0.94	1.88	3.35	3.23	1.10	1.34	3.82	1.44	2.01	0.46	20.77
1842	1.00	1.50	2.00	1.85	2.15	3.07	4.92	2.08	3.07	3.33	1.87	1.69	28.53
1843	2.71	1.15	3.32	2.47	1.93	5.03	3.83	1.43	1.75	6.11	2.60	1.81	34.14
1844	3.05	0.83	1.77	1.08	3.37	1.86	3.10	7.05	0.96	4.65	2.15	1.80	31.67
1845	2.34	2.89	1.80	3.19	3.50	4.12	2.48	0.31	4.84	2.76	2.20	0.59	31.02
1846	1.16	0.56	0.82	0.65	3.51	1.98	2.71	1.42	5.13	4.65	2.12	1.39	26.01
1848	0.55	0.28	0.42	0.39	1.77	2.58	7.56	2.51	3.26	3.80	0.56	2.76	26.44
1889	3.42	4.66	1.48	4.18	3.36	7.35	7.87	....	3.05	4.42	4.10	3.75	....
1890	2.75	6.42	4.40	1.88	5.08	4.27	3.39	4.33	4.41	2.33	3.76	2.00	45.02
1891	3.18	3.62	3.78	3.13	0.79	2.01	5.90	6.77	2.00	3.10	2.92	2.28	39.48
1892	5.90	2.96	3.22	1.02	5.01	**7.00**	**4.10**	6.93	3.11	1.78	4.07	1.26	46.36
1893	1.07	2.99	0.75	3.07	5.38	5.00	2.58	9.92	3.00	1.02	2.05	4.89	41.72
1894	2.16	1.70	1.72	0.67	3.49	3.66	**3.01**	0.70	3.34	3.67	1.78	2.55	28.45
1795	4.50	2.40	1.88	1.17	2.60	2.59	3.34	6.72	1.68	0.73	1.67	2.69	31.97
1896	1.80	4.66	3.81	1.37	1.46	2.76	3.13	3.31	5.10	1.14	2.02	0.83	31.39
1897	2.70	2.80	2.70	2.18	3.30	2.70	7.04	1.99	1.31	0.55	4.19	3.26	34.72
1903	....	....	....	....	0.18	6.00	5.91	3.17	0.87	6.27	1.75	2.65	....
1904	2.42	1.96	3.29	3.40	2.52	3.24	4.75	3.78	5.21	2.37	0.61	1.46	35.01
1905	2.40	1.98	2.45	2.76	3.32	5.57	7.37	3.58	2.15	3.69	2.53	4.00	41.80
1906	2.12	1.32	2.39	1.22	2.11	4.12	2.05	2.54	5.53	4.78	3.67	3.04	35.19
1907	....	....	....	....	....	....	....	....	....	....	....	3.27	....
1908	1.54	4.12	2.17	1.24	5.64	....	6.40	0.87	1.65	1.66	1.23	2.74	....
1909	3.14	2.46	2.02	2.44	5.09	1.93	3.74	1.63	3.02	3.40	2.25	1.34	32.46
Mean	1.98	1.92	1.94	1.88	3.14	3.67	4.32	3.21	3.07	3.08	2.21	1.98	32.60

MALONE, FRANKLIN COUNTY—Elevation 810 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1839	2.30	1.28	1.72	0.84	3.21	3.59	3.85	0.96	1.53	1.25	0.75	1.07	22.85
1840	1.85	1.83	1.41	4.00	3.90	2.47	2.72	2.36	3.78	4.19	2.20	2.34	33.05
1842	1.04	3.57	2.99	1.28	1.82	4.10	5.11	1.39	2.95	3.32	1.37	2.87	31.81
1875	....	....	....	....	....	....	....	....	6.20	3.19	3.10	4.55	....
1876	4.08	6.28	4.22	2.86	4.24	3.93	3.40	0.56	4.82	3.69	3.27	3.79	45.14
1377	4.58	1.12	4.29	3.63	....	....	....	....	....	....	....	....	....
1889	....	....	....	....	....	....	....	....	....	....	....	1.57	....
1890	**3.50**	5.31	2.46	0.98	....	....	3.20	....	....	....	4.91	1.96	....
1891	3.74	4.38	3.31	4.37	1.92	4.45	4.80	4.86	1.78	3.50	2.69	3.18	42.98
1892	6.24	2.51	4.64	1.81	3.26	6.81	7.69	9.57	2.49	2.51	4.44	2.19	54.16
1893	1.66	2.52	0.85	3.44	4.05	3.29	5.17	9.98	2.71	1.30	1.45	6.21	42.63
1894	2.48	2.20	2.98	1.15	2.85	4.76	4.87	1.06	5.57	3.43	2.70	3.13	37.17
1895	2.18	2.94	1.35	2.71	2.82	3.09	3.08	7.75	3.31	0.62	4.84	4.22	38.91
1896	1.34	5.27	4.75	2.17	1.26	4.57	5.71	3.63	....	....	....	....	....
Mean	2.92	3.27	2.91	2.44	2.93	4.11	4.51	4.21	3.51	2.70	2.88	3.09	39.48

BLACK RIVER GROUP.

ADAMS CENTER, JEFFERSON COUNTY—Elevation 540 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1872	4.78	3.29	1.97	1.79	2.74	3.59	2.44	2.07	3.40	5.77	3.98	5.12	40.94
1873	5.18	1.65	8.10	2.60	1.52	4.19	3.94	1.40	3.65	7.12	4.16	2.95	46.46
1874	7.73	3.58	3.65	3.42	2.24	5.00	6.01	1.80	3.84	4.08	4.10	3.03	48.48
1875	4.33	2.17	2.69	1.12	4.14	2.17	1.24	3.13	3.52	3.80	2.98	2.80	31.09
1876	4.29	3.70	5.43	3.41	2.12	**3.00**	4.50	1.00	2.38	2.84	2.57	**2.84**	38.08
1877	....	....	4.92	1.76	....	3.54	....	1.95	1.70	1.86	3.46	1.70	....
1878	....	0.60	....	....	....	....	....	....	....	....	....	....	....
1890	....	....	....	....	....	2.38	4.02	....	7.23	4.88	2.72	2.03	....
1891	1.94	1.28	1.37	**1.40**	0.83	1.32	5.59	**2.10**	**1.80**	2.24	3.78	3.63	**27.28**
1892	5.44	2.21	2.69	0.98	5.32	5.81	5.18	9.31	5.37	2.10	6.16	3.61	54.18
1893	1.85	3.37	1.47	2.41	....	....	....	....	....	....	....	....	....
1894	....	....	....	....	....	....	....	0.51	5.96	8.34	....	....	....
1896	....	....	....	....	1.90	1.88	4.33	2.60	3.66	1.77	2.89	1.65	....
1897	1.53	1.41	....	....	**4.20**	2.05	8.22	3.54	0.78	0.42	3.73	3.95	....
1898	3.63	1.23	1.15	2.28	2.84	2.15	**1.40**	4.23	2.92	6.43	3.14	4.04	35.44
1899	3.59	1.95	4.61	1.26	2.73	1.68	3.39	0.92	2.12	4.19	2.33	4.05	32.82
1900	3.13	5.00	5.52	0.67	2.81	2.95	3.14	1.23	3.91	3.84	8.51	5.04	45.75
1901	2.61	4.52	3.87	6.11	4.71	4.60	4.36	5.79	4.29	4.71	5.30	6.30	57.17
1902	3.80	7.44	4.30	2.34	6.16	6.47	5.70	3.08	2.84	4.60	1.35	3.16	51.24
1903	4.54	3.13	2.52	2.59	0.35	4.46	7.19	3.05	1.34	5.58	4.66	8.42	47.83
1904	6.52	6.80	6.24	4.20	6.83	5.08	3.99	3.40	8.24	4.82	1.10	1.85	59.07
1905	5.59	2.54	1.15	2.80	2.77	7.67	7.50	6.53	3.49	5.21	2.37	7.32	54.44
1906	2.12	1.35	3.63	1.29	3.27	5.16	4.76	3.37	6.05	9.97	3.78	3.30	48.05
1907	**2.25**	0.60	1.23	2.75	4.02	4.15	3.52	1.31	5.15	5.13	4.00	7.31	41.42
1908	4.15	3.69	2.02	4.57	6.78	4.09	5.01	2.36	2.76	2.05	1.80	4.67	43.95
1909	7.38	5.28	4.92	5.56	5.83	1.92	5.14	2.35	4.38	5.87	4.57	9.53	62.74
Mean	4.11	3.04	3.50	2.61	3.53	3.71	4.57	2.91	3.78	4.48	3.63	4.27	44.14

BELLEVILLE, JEFFERSON COUNTY.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1830	0.56	0.18	1.35	0.74	1.34	4.77	3.33	0.88	4.68	2.45	4.60	1.18	25.09
1831	0.19	1.37	0.37	2.45	1.22	2.10	6.48	2.53	5.73	5.91	3.30	1.20	32.85
1833	2.35	3.60	1.80	0.75	4.40	0.61	1.15	2.12	1.42	2.21	2.31	3.10	25.82
1834	1.70	1.80	1.50	3.30	0.69	2.56	1.43	0.75	1.38	1.30	2.04	1.04	18.99
1835	1.60	3.13	0.70	0.84	1.84	0.89	1.95	6.53	2.29	6.38	2.53	2.32	31.01
1836	3.99	0.80	1.15	2.42	5.42	3.66	1.40	1.35	2.25	3.15	1.20	2.80	29.59
1842	1.90	3.12	2.57	3.29	2.29	3.29	3.04	2.63	5.81	6.62	4.78	3.31	42.65
1843	3.05	2.74	2.97	1.51	1.60	3.65	3.24	2.95	2.46	4.57	3.84	2.43	35.01
1844	2.54	0.22	0.95	1.45	3.75	0.75	4.60	3.66	0.19	3.43	1.14	1.70	24.38
Mean	1.99	1.83	1.48	1.86	2.51	2.48	2.96	2.60	2.91	4.00	2.86	2.12	29.60

DEPAUVILLE (near), JEFFERSON COUNTY—Elevation 350 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1865	....	....	....	....	....	....	....	....	4.10	6.70	5.30	4.35	....
1866	3.32	3.98	3.20	2.29	3.74	4.08	2.81	5.30	5.92	3.29	5.17	4.07	47.17
1867	2.08	3.74	3.24	3.95	5.90	2.22	2.18	2.05	1.72	3.94	2.31	2.41	35.74
1868	3.15	3.18	4.74	3.25	5.48	2.04	1.00	3.43	4.45	3.60	6.09	2.65	43.06
1869	1.86	5.01	4.95	1.15	4.08	3.13	3.65	2.75	6.95	7.10	5.42	4.38	50.43
1870	4.95	4.42	4.68	1.15	1.34	2.27	1.58	1.37	4.57	3.78	1.95	3.57	35.63
1871	2.25	2.15	4.65	3.70	1.82	2.77	2.68	4.40	3.05	1.75	3.63	5.78	38.63
1872	1.68	2.67	2.73	1.00	4.05	2.77	2.30	3.15	4.85	6.92	4.75	4.65	41.52
1873	4.72	1.63	6.98	3.41	1.93	2.35	5.55	3.20	3.10	7.05	2.92	6.65	49.54
1874	6.17	4.16	3.38	3.30	2.91	4.54	4.69	1.23	3.75	5.27	4.43	1.45	45.28
1875	2.44	1.76	1.59	1.37	4.08	2.22	1.58	3.70	4.10	2.21	1.99	2.16	29.20
1876	4.35	2.43	....	....	....	....	....	....	....	....	....	....	....
Mean	3.36	3.19	4.01	2.46	3.54	2.84	2.80	3.06	4.23	4.69	4.00	3.83	42.01

NORTH LAKE, HERKIMER COUNTY—Elevation 1,822 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1896	....	....	....	....	....	....	....	....	5.59	2.90	6.21	2.70	....
1897	5.50	2.10	7.20	3.80	4.41	4.50	4.15	4.97	2.56	2.08	10.24	5.74	57.25
1898	7.13	2.82	2.79	3.47	4.87	4.56	4.00	5.31	5.35	5.77	4.42	6.19	56.68
1899	3.43	2.92	7.33	2.94	3.72	2.21	6.13	3.19	3.03	4.48	2.48	6.96	48.82
1900	4.76	5.76	9.12	....	4.09	2.59	4.94	5.28	2.60	3.25	7.56	2.09	....
1901	3.13	5.08	3.04	....	5.57	8.06	6.34	3.86	3.59	2.97	....	....	....
1902	....	4.55	5.96	....	....	....	....	....	....	....	....	....	....
1903	2.02	7.40	4.79	1.12	T.	6.74	2.44	4.99	1.08	....	....	....	....
1904	....	3.12	....	3.24	5.49	4.82	3.53	....	....	....	....	....	....
1905	....	....	....	....	....	6.56	7.23	4.67	6.99	3.20	1.99	3.89	....
1906	**2.00**	2.26	2.92	2.95	7.21	3.01	5.53	3.13	3.40	3.58	2.25	3.20	41.44
1907	5.28	1.30	1.28	3.51	4.53	3.20	4.08	0.56	7.45	5.40	4.10	4.93	45.63
1908	3.75	**4.65**	**2.50**	3.82	4.33	5.40	5.94	3.36	0.63	1.67	1.70	2.59	40.34
1909	6.20	7.75	3.71	4.07	5.19	3.71	4.49	1.28	3.16	2.39	....	1.62	....
Mean	4.32	4.14	4.60	3.21	4.49	4.61	4.90	3.69	3.79	3.43	4.55	3.99	49.72

LOWVILLE, LEWIS COUNTY—Elevation, 900 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1827..	3.38	1.91	0.30	1.88	1.02	6.14	2.84	4.11	2.18	4.80	1.40	2.90	32.86
1828..	2.65	3.55	1.50	1.44	2.67	2.45	7.53	2.63	3.25	2.51	2.60	2.70	35.48
1829..	2.01	3.10	1.13	2.60	1.83	3.44	3.05	1.91	1.36	1.67	3.82	2.35	28.27
1830..	1.99	1.75	4.53	0.35	2.10	5.32	2.78	1.93	2.77	3.05	5.24	4.82	36.66
1831..	2.48	5.71	1.35	3.38	2.75	2.10	5.91	4.06	3.25	3.43	2.18	2.11	38.79
1832..	2.05	4.24	1.45	1.00	3.15	1.60	0.70	4.45	2.52	3.05	2.75	2.16	29.12
1833..	2.10	1.75	1.30	1.45	6.40	3.90	3.20	2.87	2.93	4.50	1.77	2.88	35.08
1835..	3.02	2.40	1.35	2.61	1.64	6.75	4.51	5.12	1.48	5.49	2.25	2.50	39.12
1839..	3.29	1.13	1.97	1.19	3.76	3.47	5.20	1.99	2.82	0.46	2.30	0.82	28.40
1840..	4.36	2.36	3.21	4.57	3.73	2.72	2.35	1.73	4.70	3.71	2.82	3.72	39.99
1841..	3.15	0.29	3.20	1.65	1.02	2.85	2.47	3.73	5.05	0.54	2.54	2.37	28.86
1842..	0.55	5.67	2.36	2.39	1.72	4.68	2.22	3.32	4.68	2.40	3.18	1.37	34.54
1843..	1.16	1.09	0.70	1.43	1.31	4.09	5.13	2.90	1.40	3.67	3.23	1.05	27.16
1844..	2.70	1.06	1.88	1.26	3.58	4.10	1.77	1.77	1.34	4.48	1.52	1.01	25.47
1845..	2.95	1.73	1.94	1.71	3.55	1.07	4.25	2.93	2.93	2.95	3.72	0.90	30.69
1846..	1.05	1.86	1.25	0.99	3.71	2.34	2.53	0.91	2.16	5.20	4.27	0.59	26.86
1847..	1.95	3.35	1.95	3.76	1.41	3.48	1.22	2.36	5.36	3.99	4.30	3.01	33.16
1848..	1.38	0.80	0.68	0.68	4.83	1.14	8.29	2.45	0.88	3.22	3.06	1.67	29.08
1850..	....	....	....	....	....	....	....	....	....	5.80	1.60	5.20	.....
1851..	3.06	3.42	1.17	4.08	3.93	3.61	4.05	2.43	2.95	3.78	3.66	5.05	41.23
1852..	1.58	3.71	3.77	2.04	2.61	2.84	1.85	3.51	1.94	2.09	2.35	4.51	32.80
1853..	....	....	....	....	....	....	....	....	....	....	....	1.76	.....
1855..	4.81	2.38	3.88	2.37	1.31	6.13	4.44	....	....	....	....	....	.....
1856..	....	....	....	....	2.75	0.19	1.69	2.88	4.17	1.31	2.78	5.70	.....
1857..	1.61	4.81	3.15	5.74	3.65	4.34	1.42	4.96	2.75	5.04	5.15	4.69	47.31
1858..	2.25	2.21	0.80	2.73	3.72	2.93	3.78	3.35	3.31	4.58	2.53	2.12	34.40
1859..	2.11	1.62	4.22	3.89	1.81	3.20	2.74	4.84	3.35	2.86	4.12	2.50	37.26
1860..	1.17	1.00	2.05	1.62	2.05	2.07	5.40	4.61	3.31	4.56	5.13	3.23	36.20
1871..	....	....	5.11	2.78	2.20	1.94	2.53	3.58	0.94	1.42	3.45	3.97	.....
1872..	....	....	....	0.68	1.90	6.40	4.39	....	....	....	....	....	.....
1888..	....	....	....	....	....	....	....	....	....	....	8.88	0.96	.....
1889..	5.61	7.14	....	....	....	....	....	....	....	....	....	....	.....
1890..	....	....	....	....	....	3.68	4.30	3.82	9.70	4.26	4.79	2.80	.....
1891..	3.38	4.12	3.60	1.30	1.34	4.10	7.45	2.30	1.74	3.03	5.23	4.75	42.35
1892..	4.11	1.42	2.72	0.68	4.79	5.86	4.94	8.76	3.54	1.91	4.13	1.80	44.66
1893..	2.29	4.08	1.86	3.89	6.78	1.90	2.79	8.65	2.82	1.69	3.75	5.81	46.31
1894..	3.51	3.43	1.72	2.26	4.35	2.75	1.34	1.65	3.81	5.28	2.60	2.70	35.44
1895..	3.22	1.68	1.42	2.00	2.25	1.69	2.28	3.93	2.63	1.54	4.64	4.94	32.22
1896..	2.32	4.73	4.88	0.80	2.03	1.83	3.50	2.45	3.09	2.15	5.23	1.46	34.47
1897..	2.72	1.75	2.97	2.97	3.97	3.40	2.95	3.27	1.72	1.34	5.81	3.02	35.90
1898..	4.32	2.10	1.63	2.24	2.78	2.57	1.60	3.61	2.92	5.07	3.41	4.54	36.79
1899..	3.64	2.30	5.11	2.01	3.29	1.84	3.05	0.73	2.05	3.15	2.73	5.90	35.80
1900..	3.88	2.86	5.00	0.75	1.78	2.69	4.19	1.50	2.78	3.60	7.30	2.32	38.65
1901..	2.84	2.06	1.58	3.55	3.66	3.69	5.00	6.37	4.14	2.47	4.06	5.97	45.38
1902..	1.90	3.41	4.80	3.13	4.21	4.75	7.37	3.55	2.39	4.15	2.57	3.73	45.96
1903..	5.29	3.94	3.33	2.87	0.67	5.83	7.25	3.34	1.50	6.48	2.97	5.14	48.61
1904..	3.01	2.87	3.82	2.52	2.71	8.40	4.32	3.08	4.66	3.31	0.21	2.74	36.65
1905..	3.41	2.16	1.10	2.86	3.07	9.97	4.36	3.93	3.60	3.96	1.81	4.63	44.86
1906..	2.29	1.08	2.82	1.17	4.23	5.30	2.47	1.69	3.55	4.84	2.50	2.67	34.61
1907..	2.31	0.62	1.70	2.81	2.64	2.23	2.31	0.53	4.57	4.25	4.37	4.35	32.69
1908..	3.57	4.42	2.23	3.02	2.33	4.72	3.43	0.89	1.48	1.47	0.76	3.66	31.98
1909..	2.09	5.18	2.87	1.88	3.92	2.56	2.72	2.53	2.02	2.72	2.39	2.71	33.59
Mean	2.77	2.76	2.48	2.24	2.91	3.54	3.66	3.22	3.01	3.35	3.41	3.15	36.48

SACKETTS HARBOR, JEFFERSON COUNTY—Elevation 232 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
1840..	1.15	3.53	2.58	....	....	....	....	4.80	3.62	3.78	3.16	2.85	.....
1841..	3.18	0.51	3.00	2.73	1.74	1.58	4.14	1.59	5.36	1.58	3.85	3.11	32.37
1842..	0.94	1.93	3.24	3.16	1.76	4.43	3.81	3.38	4.21	4.11	4.38	1.93	37.31
1843..	2.35	1.85	2.57	2.15	1.44	4.70	2.79	1.85	2.66	6.91	2.44	2.06	33.77
1844..	2.74	0.85	1.91	1.79	3.37	3.74	3.78	3.80	0.41	3.52	1.62	1.70	29.23
1845..	3.50	2.92	2.55	2.04	4.16	1.85	5.45	0.57	3.18	2.64	2.24	1.27	32.37
1846..	2.61	2.24	2.28	1.96	3.49	1.98	....	....	....	....	....	....	.....
1849 .	....	....	....	....	1.89	2.07	0.91	4.06	6.51	5.21	4.99	4.85	.....
1850..	3.16	3.55	2.13	2.87	6.15	1.64	7.57	3.12	4.75	12.39	3.93	6.26	57.52
1851..	2.39	4.52	4.33	3.95	5.08	2.78	7.67	3.53	3.35	6.09	5.85	4.25	53.79
1852..	2.90	2.79	5.89	3.29	...	....	....	....	....	....	....	....	.....
1859..	....	....	....	....	....	....	1.62	3.28	2.64	1.04	4.72	5.18	.....
1860..	2.40	1.52	1.39	1.51	1.63	2.36	4.79	2.98	3.70	3.64	5.92	2.96	34.80
1861..	2.64	5.44	3.08	2.70	4.48	2.10	6.32	4.04	5.80	4.62	3.38	1.30	45.90
1862..	1.13	1.46	4.20	2.14	2.42	1.68	3.60	1.64	2.96	3.72	2.54	1.27	28.76
1863..	2.26	3.08	2.05	3.34	2.42	2.34	2.56	3.44	2.40	5.44	4.70	4.50	38.53
1864..	2.56	1.78	2.72	4.80	6.76	1.14	1.14	3.02	2.94	5.94	5.36	3.38	41.54
1865..	1.58	1.22	3.94	3.30	2.59	4.08	2.28	0.56	1.73	4.78	2.25	2.30	30.62
1866..	1.26	2.70	2.82	2.88	3.22	3.84	1.50	5.88	5.34	2.90	4.12	2.46	38.92
1867..	0.86	3.00	1.56	3.30	5.80	1.02	2.10	1.34	2.84	2.08	1.78	1.52	27.20
1870..	2.98	2.30	1.34	0.42	1.63	1.48	1.46	1.61	4.55	2.05	1.27	1.60	22.74
1871..	1.60	1.05	2.32	2.15	1.58	1.38	2.17	6.14	1.40	1.55	3.68	1.98	27.00
1872..	2.00	2.00	1.50	1.60	2.14	2.90	1.55	3.64	3.85	5.20	2.39	1.39	30.16
1873..	1.90	0.30	5.60	2.72	0.92	2.30	1.96	2.70	2.20	5.25	1.55	1.05	28.45
1874..	4.71	2.24	2.07	0.97	0.92	1.84	3.31	1.10	3.20	4.57	1.60	0.35	26.88
1875..	1.50	1.33	1.12	1.01	3.32	1.55	1.83	2.64	3.01	2.99	1.65	1.21	23.16
1876..	1.42	3.60	3.91	0.55	1.35	1.80	2.83	0.78	3.00	3.00	1.97	1.51	25.72
1877..	....	....	....	1.79	0.75	2.21	2.97	....	1.86	1.50	4.43	6.28	.....
1878..	2.35	1.42	2.47	2.68	1.96	1.01	4.58	5.30	1.43	4.47	4.91	6.28	38.85
1879..	0.92	1.42	1.95	0.60	0.90	3.47	1.15	2.30	1.80	0.92	5.32	1.51	22.26
1880..	2.02	1.33	1.88	0.92	1.09	0.88	2.00	1.62	2.80	3.31	3.14	2.96	23.95
1881..	2.99	1.34	2.59	0.42	2.97	2.54	0.38	0.47	1.21	2.94	2.03	2.90	22.78
1882..	1.40	1.94	2.72	1.26	4.97	2.88	1.68	2.80	1.95	0.92	1.28	1.57	25.37
1883..	2.72	1.78	1.00	1.56	3.70	2.06	3.93	2.10	2.83	2.35	1.87	2.43	28.33
1884..	2.36	2.37	2.45	0.54	3.25	0.99	3.98	2.69	2.69	2.63	2.49	2.68	29.12
1885..	2.20	1.42	0.92	1.48	1.42	2.49	2.42	2.29	3.28	3.69	3.32	3.18	28.11
1886..	2.62	2.12	2.72	1.84	2.16	1.08	2.38	3.92	4.38	1.44	3.00	1.88	29.54
1887..	2.86	1.50	1.34	1.93	1.56	2.08	0.53	1.49	1.12	5.38	1.46	1.62	22.90
1888..	0.02	0.58	0.90	0.66	0.56	2.18	2.24	6.49	2.59	4.49	7.13	2.97	30.81
1889..	2.42	1.18	0.70	4.90	8.25	11.50	3.91	0.89	3.08	3.08	10.02	5.80	55.73
1890..	3.19	3.09	3.02	1.52	3.37	2.35	1.43	0.80	6.27	3.16	1.42	2.52	32.14
1891..	2.61	2.05	2.89	0.85	1.03	1.94	3.21	2.00	1.86	3.43	3.78	3.47	29.12
1892..	2.78	1.75	2.16	0.64	4.81	5.41	4.52	6.52	4.80	2.00	3.90	1.42	40.71

SACKETTS HARBOR—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1893..	2.79	2.35	1.22	3.98	5.59	1.66	2.26	9.00	2.28	1.74	2.74	3.52	39.13
1894..	3.16	2.62	2.17	1.52	4.96	3.02	2.02	0.53	4.22	4.71	2.01	2.27	33.21
1895..	3.96	1.10	2.16	1.53	2.66	1.77	2.93	3.05	2.07	1.77	4.12	2.96	30.08
1896..	1.05	5.30	1.96	0.38	2.41	1.54	4.02	3.70	5.84	2.24	2.96	1.61	33.01
1897..	1.29	1.79	2.41	1.16	3.99	1.03	2.55	1.90	0.79	0.80	2.66	3.68	24.05
1898..	2.64	2.08	0.65	1.17	3.50	2.50	0.60	2.65	1.35	2.75	3.00	2.40	25.29
1899..	1.60	2.70	0.70	0.80	1.10	0.55	0.70	0.10	3.20	1.85	2.15	6.22	21.67
Mean	2.25	2.15	2.36	1.95	2.92	2.42	2.84	2.85	3.11	3.47	3.34	2.80	32.46

NUMBER FOUR, LEWIS COUNTY—Elevation 1,571 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1889..	8.27	5.42	2.41	2.38	3.10	8.49	5.02	3.80	3.65	4.30	5.26	4.26	56.36
1890..	6.64	4.49	3.24	2.93	7.93	4.01	4.93	6.29	8.46	3.66	4.24	3.32	60.22
1891..	4.05	3.67	3.52	2.36	1.57	3.23	8.46	4.12	2.21	3.52	4.84	4.57	46.12
1892..	6.58	3.37	3.24	1.77	5.83	5.34	5.91	9.00	4.06	3.47	6.06	3.28	57.91
1893..	2.46	2.44	2.27	3.98	6.30	5.03	4.27	6.63	5.46	2.55	3.60	5.92	50.91
1894..	3.87	3.43	3.40	1.89	4.40	4.60	2.55	1.09	5.57	6.70	2.70	3.10	43.30
1895..	4.78	2.57	2.59	2.79	3.17	2.46	4.15	5.82	6.42	2.46	6.39	5.32	48.92
1896..	3.04	7.93	6.55	1.84	2.16	2.81	7.05	3.47	5.01	3.44	4.75	2.59	50.64
1897..	3.15	3.21	4.25	3.93	3.99	4.29	6.46	4.97	3.37	2.38	6.45	4.60	51.05
1898..	5.55	3.12	2.14	3.27	3.71	2.77	2.19	6.56	5.17	6.78	3.49	7.44	52.19
1899..	4.53	2.70	5.45	2.15	3.77	1.29	3.34	0.81	3.14	2.91	3.23	4.29	37.61
1900..	5.10	4.44	6.72	0.81	3.10	3.26	5.65	2.38	4.48	3.00	8.97	3.23	51.14
1901..	3.10	2.25	2.00	0.95	3.46	5.38	4.67	5.82	5.85	3.99	7.52	5.17	50.16
1902..	3.33	5.81	6.35	5.27	4.70	5.04	7.36	5.48	2.72	5.26	4.36	5.40	61.08
1903..	6.16	4.40	3.90	2.46	0.45	7.21	10.03	4.18	1.77	7.65	3.06	9.56	60.83
1904..	4.01	3.70	3.16	3.35	3.84	4.01	6.30	5.00	7.40	3.37	0.38	3.75	48.27
1905..	....	....	....	3.71	4.40	....	6.18	6.23	....	....	....	....	.....
Mean	4.66	3.93	3.82	2.70	3.88	4.33	5.56	4.80	4.67	4.09	4.71	4.74	51.89

PIERREPONT MANOR, JEFFERSON COUNTY—Elevation 588 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1849..	......	......	......	......	......	......	1.73	2.50	3.26	6.22	2.44	0.98	.....
1850..	1.55	1.99	1.05	3.14	3.82	1.00	7.76	1.83	4.42	6.90	3.85	3.00	40.31
1851..	1.25	2.68	2.18	2.05	2.79	2.48	5.11	1.92	2.98	3.39	3.65	3.78	34.26
1852..	1.26	1.23	2.73	1.05	2.08	2.60	2.73	1.86	4.60	3.08	3.93	2.83	29.98
1853..	1.90	1.37	1.85	2.33	3.89	1.81	1.31	2.44	1.08	3.22	3.54	1.04	25.78
1854..	3.46	2.41	1.84	3.87	3.23	3.17	1.06	1.40	2.75	2.80	1.86	0.89	28.74
1855..	3.70	1.67	1.28	1.26	1.49	4.26	4.48	2.76	4.40	4.58	2.21	3.77	35.86
1856..	1.59	0.81	0.58	2.22	4.44	2.20	2.41	2.78	3.60	2.56	2.03	3.27	28.49
1857..	0.95	4.12	1.89	4.79	1.55	3.03	1.11	4.97	3.68	5.42	5.25	4.42	41.19
1858..	1.80	1.49	0.57	2.94	3.82	2.49	3.92	3.43	3.65	3.69	2.78	2.86	33.44
1859..	1.59	1.03	3.81	3.49	2.37	4.20	2.31	5.38	4.30	2.48	3.70	4.85	39.51
1860..	1.48	1.32	1.10	1.75	1.97	2.47	4.03	3.57	6.00	3.94	4.83	2.96	35.42
1861..	2.27	2.47	3.12	3.90	3.67	1.90	8.11	2.50	4.07	6.20	2.44	1.99	42.64
1862..	2.33	2.30	3.83	1.28	2.33	1.34	3.61	1.35	2.68	3.26	1.85	3.21	29.37
1863..	2.57	2.92	2.35	2.15	3.12	3.25	3.37	3.60	2.99	5.85	4.57	3.03	39.77
1864..	2.46	1.53	2.23	3.31	5.92	0.73	0.80	5.14	2.74	4.29	5.76	4.23	39.14
1865..	2.64	0.58	4.16	3.71	2.60	4.81	2.62	1.43	3.27	6.15	3.21	2.65	37.83
1866..	2.24	2.64	2.70	2.19	3.95	6.25	1.79	6.52	6.46	3.66	7.30	4.96	50.66
1867..	1.39	3.10	1.92	4.09	7.03	1.63	2.38	2.24	2.79	0.96	2.14	1.37	30.95
1868..	4.32	1.28	3.16	1.84	2.90	2.41	1.64	4.57	3.64	3.14	5.65	3.22	37.77
1869..	2.51	3.69	2.75	2.45	3.34	4.75	6.56	3.16	3.95	6.23	3.62	3.67	46.68
1870..	4.10	3.30	2.82	1.07	1.18	1.77	4.51	2.39	4.52	3.00	2.74	4.14	35.54
1871..	2.47	1.88	3.10	2.54	1.99	1.99	3.59	4.79	1.76	2.18	3.06	3.34	32.69
Mean	2.27	2.08	2.32	2.61	3.16	2.75	3.35	3.15	3.63	4.05	3.58	3.06	36.01

WATERTOWN, JEFFERSON COUNTY—Elevation 737 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1856..	1.65	0.21	1.65	1.44	3.72	1.41	1.83	3.71	3.84	3.83	1.85	2.05	27.19
1890..	....	....	....	....	....	....	....	....	....	....	3.73	3.01	.....
1891..	3.44	3.75	4.55	....	....	....	7.91	2.50	3.59	3.50	3.80	3.50	.....
1892..	3.00	2.24	....	....	....	....	....	9.91	4.13	2.28	5.77	2.65	.....
1893..	2.38	3.39	1.81	3.90	5.60	2.83	2.20	9.20	4.95	2.30	4.00	1.50	44.05
1894..	3.92	2.23	2.17	1.52	5.10	4.77	2.65	0.48	4.87	6.36	2.30	2.53	38.90
1895..	3.65	1.42	1.57	2.06	2.80	1.94	3.54	4.58	4.43	2.15	4.10	3.04	35.28
1896..	1.00	5.30	5.23	1.37	2.36	3.28	3.71	3.26	4.43	1.72	4.42	1.48	37.56
1897..	2.46	1.80	3.60	....	....	....	....	....	....	....	....	....	.....
1898..	5.65	3.08	1.79	2.07	3.41	1.66	1.54	4.52	3.68	4.31	3.02	5.65	40.38
1899..	3.36	2.31	5.21	2.76	3.48	1.23	2.16	0.93	3.09	3.28	2.15	7.72	37.68
1900..	4.59	4 01	3.82	0.64	2.37	1.62	2.34	1.10	3.05	3.09	8.70	2.67	38.00
1901..	1 85	2.07	4.71	3.78	3.17	3.75	3.75	4.26	3.80	3.23	4.90	5.43	44.70
1902..	2.41	2.70	3.93	2.81	3.05	5.84	3.48	1.91	2.40	4.00	1.40	2.81	37 24
1903..	5.01	3.15	3.82	2.70	0.49	4.78	5.52	3.15	1.44	5.94	2.37	2.54	40.91
1904..	2.41	3.27	3.08	2.53	5.17	3.53	3.75	3.16	6.48	3.96	0.82	2.32	40.48
1905..	2.61	1.15	1.95	2.00	3.64	7.56	6.67	4.53	2.36	4.30	2.06	5.97	44.80
1906..	1.82	1.30	3.47	1.53	4.38	5.29	4.41	1.92	6.27	7.55	3.30	2.42	43.66
1907..	2.01	0.88	1.72	3.30	4.21	1.60	2.44	1.43	4.47	4.18	3.37	5.54	35.15
1908..	3.49	4.33	2 62	3.28	5.38	4.46	4.17	2.29	2.25	1.54	2.19	2.74	38.74
1909..	2.69	3.98	3.54	2.72	5.43	1.61	3.60	2.29	3.11	2.90	2.28	3.58	37.73
Mean	2.97	2.63	3.17	2.38	3.75	3.36	3.65	3.43	3.82	3.71	3.35	3.46	39 68

DIRECTION OF PREVAILING WIND.

Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October	November	December.	Annual.
Canton	13	sw	w	w	sw	sw	sw	sw	sw	sw	sw	sw	sw	sw
Oswego................	33	s	nw	nw	w	w	w	w	s	s	s	s	s	s
Syracuse	7	s	w	nw	nw	s	s	s	s	s	s	s	sw	s

AVERAGE NUMBER OF DAYS WITH .01 OR MORE OF PRECIPITATION.

Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
Auburn	35	11	10	10	10	12	11	11	11	9	11	14	12	132
Canton	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lyons	19	12	10	10	9	11	10	10	9	9	9	11	12	122
Moira	9	10	10	10	10	9	11	11	9	9	9	9	12	119
Number Four	15	14	13	13	10	11	11	11	10	9	10	13	14	139
Ogdensburg	18	9	8	10	8	11	9	11	9	8	9	9	10	111
Oswego	33	17	15	15	12	12	11	11	10	10	13	17	19	162
Syracuse	6	18	17	15	15	13	13	12	10	10	13	12	16	164
Watertown	16	16	13	13	12	12	10	11	10	11	13	14	16	151
Ithaca	29	15	14	14	13	13	12	13	11	10	12	13	15	155

MEAN TEMPERATURE.

Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October	November	December.	Annual.
Auburn	46	24.3	24.4	33.0	44.7	56.6	65.8	70.5	68.8	61.2	49.7	38.4	28.9	47.2
Canton	41	16.8	17.8	23.0	41.5	54.6	66.5	70.3	66.6	60.1	47.4	34.4	22.3	43.7
Lyons	18	25.8	24.4	33.5	46.0	57.8	67.2	71.0	69.3	63.5	50.9	39.9	29.7	48.2
Moira	9	15.3	15.2	29.1	42.6	55.1	64.2	69.1	66.1	61.2	48.1	34.3	18.9	43.3
Number Four	16	16.9	16.6	23.5	39.4	52.5	60.9	64.3	61.9	55.9	44.6	31.4	20.9	41.0
Ogdensburg	15	18.1	16.5	28.8	43.7	56.4	65.8	70.1	67.6	61.7	49.4	35.6	22.0	44.6
Oswego	51	23.7	24.1	30.6	42.5	53.6	63.1	69.1	67.8	61.3	49.8	38.6	28.4	45.0
Syracuse	16	22.8	22.6	30.7	44.4	59.0	67.2	71.2	68.6	63.5	51.1	39.0	29.2	47.4
Watertown	15	20.1	19.2	30.4	43.6	56.7	66.3	69.7	68.2	61.7	49.6	36.2	23.9	45.5
Ithaca	31	24.1	25.1	31.9	44.2	57.0	66.2	70.6	68.2	60.6	49.5	37.6	28.4	47.0

HIGHEST TEMPERATURES BY MONTHS.

Auburn	11	70	65	83	87	91	98	99	98	95	90	72	64	99
Canton	15	60	61	66	84	93	94	98	96	91	83	70	61	98
Lyons	18	70	66	83	88	91	94	99	96	96	85	70	65	99
Moira	9	71	59	72	85	92	91	95	93	90	83	73	66	95
Number Four	15	54	53	71	81	87	89	91	91	88	82	67	58	91
Ogdensburg	16	65	55	68	80	92	96	97	93	90	82	70	65	97
Oswego	39	69	61	76	85	94	98	100	98	93	84	75	66	100
Syracuse	6	68	65	80	84	87	90	90	92	88	85	66	55	92
Watertown	9	66	63	76	83	87	93	94	93	93	82	67	65	94
Ithaca	30	70	62	82	87	92	96	96	98	96	87	71	64	98

LOWEST TEMPERATURES BY MONTHS.

Auburn	11	-17	-13	-5	14	25	37	43	45	31	19	8	-7	-17
Canton	15	-37	-43	-26	10	21	30	34	35	25	17	-5	-37	-43
Lyons	18	-18	-13	0	15	26	36	43	45	35	21	9	-8	-18
Moira	9	-30	-29	-10	8	19	35	42	39	28	16	-2	-20	-30
Number Four	15	-31	-31	-17	-2	20	29	34	33	25	14	-10	-28	-31
Ogdensburg	16	-43	-37	-10	11	20	36	42	38	30	17	2	-24	-43
Oswego	39	-22	-18	-11	11	27	39	45	44	35	24	-1	-18	-22
Syracuse	6	-20	-17	2	17	28	39	48	46	36	23	9	-7	-20
Watertown	9	-30	-22	-11	11	21	36	42	43	27	18	-2	-22	-30
Ithaca	30	-20	-18	-14	13	22	36	40	39	31	17	-1	-20	-20

FROST DATA.

Station.	No. years record.	Average dates of killing frosts.		Latest date of killing frost in spring.	Earliest date of killing frost in autumn.
		Last in spring.	First in autumn.		
Auburn	10	May 7	Oct. 9	May 21	Sept. 22
Canton	15	May 9	Sept. 25	June 2	Sept. 13
Lyons	8	Apr. 30	Oct. 18	May 12	Oct. 7
Moira	9	May 13	Oct. 2	May 29	Sept. 19
Number Four	5	May 18	Sept. 22	June 10	Sept. 9
Ogdensburg	9	May 8	Oct. 8	May 29	Sept. 21
Oswego	29	Apr, 27	Oct. 19	May 29	Sept, 25
Syracuse	6	Apr. 28	Oct. 16	May 5	Oct. 7
Watertown	9	May 9	Oct. 11	May 30	Sept. 22
Ithaca	29	May 4	Oct. 11	May 29	Sept. 15

HYDROGRAPHIC DATA FOR SECTION 102.—SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY, BY R. H. BOLSTER, ASSISTANT ENGINEER.

[PRELIMINARY NOTE.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.]

This section comprises streams flowing into the eastern end of Lake Ontario and the St. Lawrence River. In the northwestern part of the State of New York, between the Niagara and St. Lawrence rivers, is an area aggregating 12,400 square miles, drained by streams which flow into Lake Ontario. The divide which controls this drainage is very irregular. Extending to the south and southeast from Fort Niagara, it passes around the headwaters of the Genesee, a short distance into Pennsylvania. Thence reentering New York it runs southward and eastward from the interior group of lakes, turns to the north, encircles the source of Black River, turns again to the west and descends to the lake. The country thus included is level or gently undulating in the counties bordering the lake, but farther south it becomes more rolling and a series of ridges, gradually increasing in height stretch down between Cayuga and Seneca and their adjoining lakes, finally becoming merged with the elevated broken country forming the principal divide, the slopes of which attain high altitudes of over 2,000 or 2,500 feet above the headwaters of the Genesee. The easterly or Black River lobe of the drainage basin receives the rainfall from the southwestern slope of the Adirondack Mountains, largely a rugged and forest covered area, receiving heavy precipitation, especially in the winter.

The principal streams of the area are the Oswego, formed by the union of the Seneca and Oneida rivers, which drain the chain of lakes in central New York and the Genesee, Salmon, and Black rivers.

The St. Lawrence River receives the flow of a number of New York streams, having their sources in the northerly slopes of the Adirondacks, and fed by the innumerable lakes with which the region is dotted. Some of these rivers, as the Grass, Raquette, and St. Regis, lie entirely within the United States. Others, notably the Salmon, Trout, Chateaugay, and English rivers, cross the international boundary and flow northward into the St. Lawrence in Canada.

Oswego River is formed by the union of the Seneca and Oneida rivers about 12 miles northwest of Syracuse, N. Y., from whence its course is northwestward to Oswego, where it enters Lake Ontario. The length of the river from the junction to the mouth is about 20.5 miles and the drainage basin along this distance is a narrow stretch of country moderately rolling. Above the junction of the Seneca and Oneida rivers the basin spreads out, attaining an extreme width east and west of about 100 miles, and north and south of from 70 to 80 miles. The most remarkable feature of the drainage basin is the chain of lakes stretching across its southern border. From west to east the principal lakes are, in order, Canadaigua, Keuka, Seneca, Cayuga, Owasco, Skaneateles, and Oneida. These seven lakes include a water surface of approximately 280 square miles, increased by four smaller lakes—Cross, Onondaga, Otisco, and Cazenovia—to about 295 square miles.

The larger of the lakes—Oneida, Cayuga, and Seneca—are used for steam-towing navigation, having connection with the Erie and Oswego canals. Cayuga and Seneca lakes are noted for their depth and for the abrupt slopes of their beds. The influence of the lakes on the Oswego River is of the utmost importance in contributing to the steadiness of its flow. A fall of 100 feet in the course of the main river is largely utilized by 7 dams, which also partly canalize the stream. The intervening stretches are covered by the Oswego Canal, which draws its water supply from the river.

Salmon River rises in the southwestern part of Lewis County, N. Y., and flows first southward and then northwestward and enters Lake Ontario near Port Ontario. The upper portion of the basin is rolling and very sandy, rock lying near the surface in the upper part of the watershed where there are also extensive tracts of original forest. The region is subject to heavy falls of snow, which sometimes accumulates in the forest areas to a depth of several feet, and melts gradually during March and April, feeding the stream.

Black River rises in the western part of Hamilton County, N. Y., flows southwestward across Herkimer County into Oneida County, turns near Forestport and runs somewhat west of north through Lewis County to eastern Jefferson County, and then flows westward to Black River Bay at the eastern extremity of Lake Ontario. The upper part of the basin is very rugged and mountainous and contains a large number of lakes. The flow of the river is controlled by storage on its upper tributaries, including Beaver River at Beaver, a series of reservoirs at the headwaters of Moose River, and additional reservoirs at Forestport and on the headwaters of the main river.

Water is diverted from Black River through Forestport feeder to supply the Black River Canal at Boonville. A portion of this diverted water flows northward from Boonville and enters Black River against Lyons Falls; the remainder flows southward through the Black River Canal and enters the Erie Canal at Rome. The amount of this diversion, which takes place during the season of canal navigation, is not recorded.

Oswegatchie River has its source in the region of lakes and timbered swamps in the southern part of St. Lawrence County, N. Y. The largest of the lakes is Cranberry Lake, which affords valuable storage to water-power users on its outlet, East Branch of Oswegatchie River. East and West branches flow in a generally northwesterly direction and unite near Talcville. From Gouverneur to Oxbow the river flows southwestward; it then turns sharply and flows northeastward to Rensselaer Falls, turns again to the northwest, receives the outlet of Black Lake at Galilee, and finally enters the St. Lawrence at Ogdensburg.

Raquette River drains a long, narrow basin extending from northern Hamilton County to the St. Lawrence River. Its sources are on an elevated plateau, dotted with mountains interspersed with lakes. The region is timbered, but numerous marsh and swamp areas exist, many of which are on the divide and feed streams flowing in opposite directions. The lakes of the headwaters afford ample opportunities for storage development.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches:

MONTHLY DISCHARGE OF OSWEGATCHIE RIVER, OGDENSBURG, N. Y., FOR PERIOD MAY, 1, 1903, TO DEC. 31, 1908.

[Drainage area 1,580 square miles.]

Month.	Discharge in second feet.				Run-off. Depth in inches or drainage area.
	Maximum.	Minimum.	Mean.	Per square mile.	
January	10,300	780	3,820	2.42	2.79
February	8,150	680	1,940	1.23	1.28
March	15,800	680	4,370	2.77	3.19
April	15,800	1,790	6,270	3.97	4.43
May	10,600	590	3,370	2.13	2.46
June	5,480	590	2,020	1.28	1.43
July	5,480	680	1,470	.930	1.07
August	3,730	590	1,360	.861	.99
September	3,730	590	1,090	.690	.77
October	5,480	590	2,260	1.43	1.65
November	7,250	590	2,220	1.41	1.57
December	9,350	680	2,050	1.30	1.50
For the period	15,800	590	2,690	1.70	23.13

MONTHLY DISCHARGE OF BLACK RIVER, FELT MILLS, N. Y., FOR PERIOD SEPT. 1, 1902, TO DEC. 31, 1906; APRIL 1 TO DEC. 31, 1907.

[Drainage area 1,850 square miles.]

January	19,000	590	3,350	1.81	2.09
February	8,360	932	3,250	1.76	1.83
March	17,000	804	6,270	3.39	3.91
April	19,200	2,170	7,780	4.20	4.69
May	12,600	159	3,820	2.06	2.38
June	10,500	522	2,810	1.52	1.70
July	7,600	804	2,160	1.17	1.35
August	6,010	10	1,800	.973	1.12
September	6,950	298	1,710	.924	1.03
October	18,200	804	3,390	1.83	2.11
November	9,730	821	2,840	1.54	1.72
December	11,100	590	2,960	1.60	1.84
For the period	19,200	10	3,510	1.90	25.77

MONTHLY DISCHARGE OF RAQUETTE RIVER, MASSENA SPRINGS, N. Y., FOR PERIOD MAY 1, 1904, TO DEC. 31, 1908, EXCEPT JAN. TO APRIL, 1905; FEB. AND DEC., 1906.

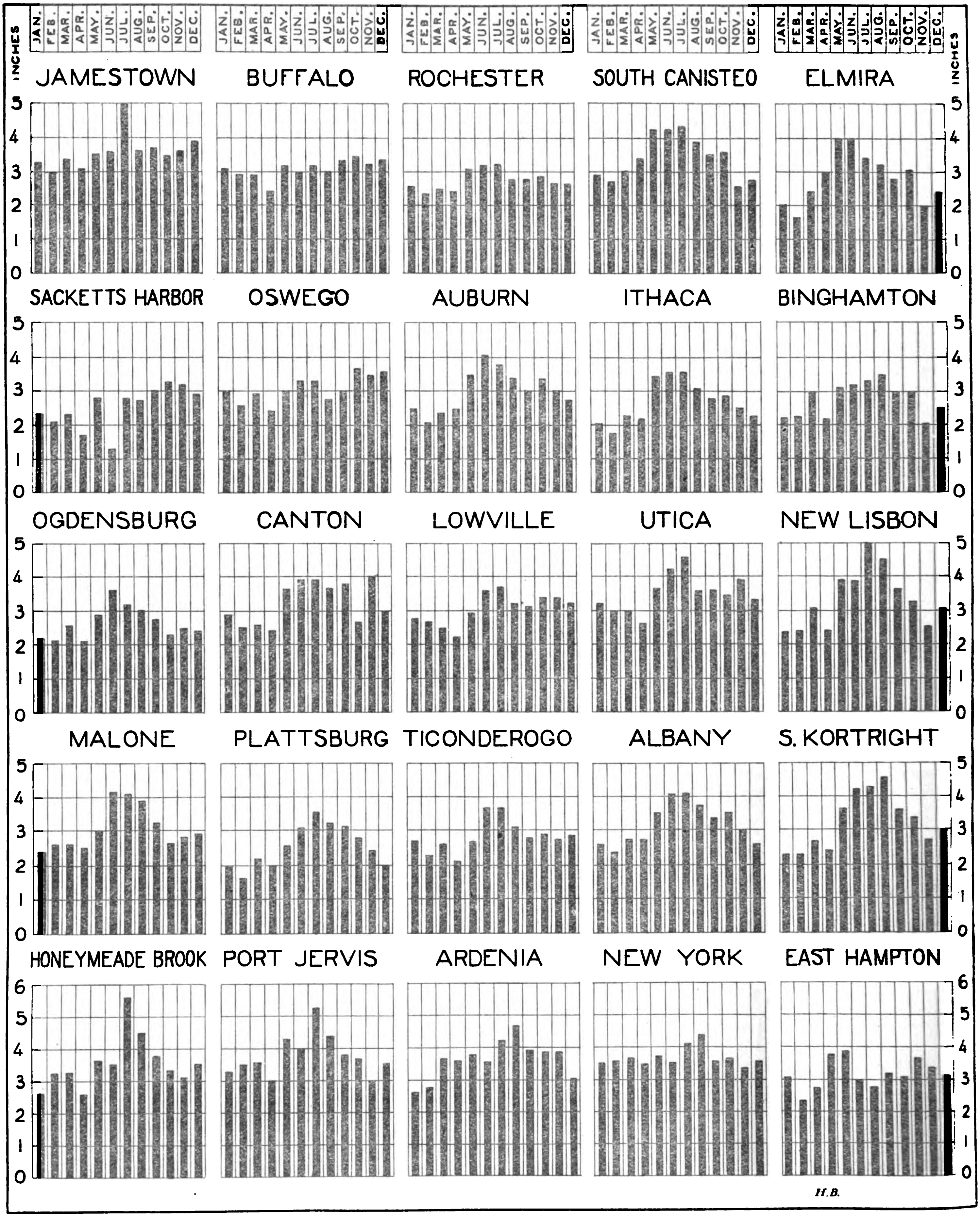
[Drainage area 1,170 square miles.]

January	....	....	3,380	2.89	3.33
February	....	....	1,320	1.13	1.18
March	....	....	2,970	2.54	2.93
April	9,920	1,320	4,020	3.44	3.84
May	8,500	2,710	4,630	3.96	4.56
June	6,370	780	2,780	2.38	2.66
July	9,570	265	1,830	1.56	1.80
August	3,620	265	1,040	.889	1.02
September	3,340	105	1,140	.974	1.09
October	3,150	155	1,590	1.36	1.57
November	3,580	130	1,730	1.48	1.65
December	....	....	2,080	1.78	2.05
For the period	....	....	2,380	2.03	27.68

MONTHLY DISCHARGE OF OSWEGO RIVER AT HIGH DAM NEAR OSWEGO, N. Y., FOR PERIOD APRIL 1, 1897, TO DEC. 31, 1901.

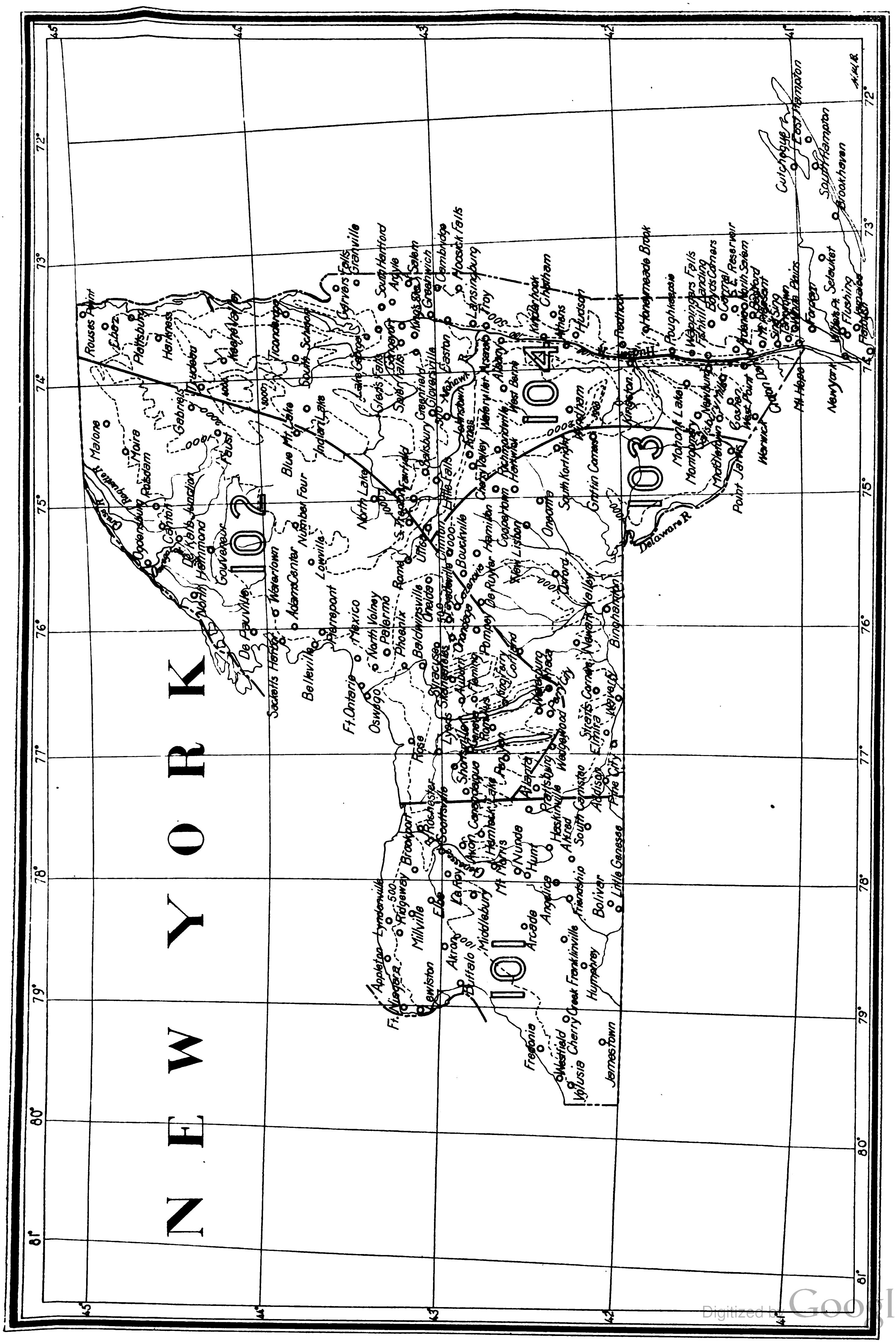
[Drainage area 5,000 square miles.]

January	7,880	1,360	4,390	.878	1.01
February	8,150	530	3,810	.762	.79
March	17,600	850	6,760	1.35	1.56
April	18,700	6,300	11,300	2.26	2.52
May	15,800	5,150	7,750	1.55	1.79
June	10,100	720	4,280	.856	.96
July	6,350	580	1,890	.378	.44
August	3,500	450	1,300	.260	.30
September	2,300	450	1,160	.232	.26
October	3,360	460	1,340	.268	.31
November	6,850	780	2,540	.508	.57
December	10,400	650	5,100	1.02	1.18
For the period	18,700	450	4,300	.860	11.69



Diagrams showing the comparative monthly distribution of precipitation.

NEW YORK


101
102
103
104
Rouses Point
Plattsburg
Malone
Moira
Potsdam
Ogdensburg
Canton
De Kalb Junction
Gouverneur
Hammond
De Kalb
Harkness
Keene Valley
Ticonderoga
Gabriels
Saranac
Faust
Blue Mt. Lake
Indian Lake
Number Four
Lowville
Watertown
Adams Center
De Ferriet
Sacketts Harbor
Belleville
Pierrepont
Mexico
Ft. Ontario
Oswego
North Volney
Palermo
Phoenix
Baldwinsville
Syracuse
Oneida
Rome
Utica
North Lake
Little Falls
Herkimer
Cherry Valley
Cooperstown
Oneonta
Richfield
Hamilton
Bouckville
De Ruyter
Cortland
Ithaca
Auburn
Lyons
Geneva
Canandaigua
Rochester
Brockport
Lockport
Buffalo
Lewiston
Ft. Niagara
Appleton
Lyndonville
Ridgeway
Millville
Akron
Elba
Le Roy
Middlebury
Mt. Morris
Nunda
Hunt
Arcade
Angelica
Friendship
Bolivar
Little Genesee
Alfred
Hornell
South Canisteo
Addison
Elmira
Waverly
Binghamton
Oxford
New Berlin
Norwich
Franklinville
Humphrey
Fredonia
Westfield
Jamestown
Volusia
Cherry Creek
Albany
Troy
Schenectady
Saratoga
Glens Falls
Lake George
Granville
Salem
Cambridge
Hoosick Falls
Lansingburg
Greenwich
Argyle
Hudson
Chatham
Kinderhook
Catskill
Kingston
Windham
Poughkeepsie
Newburgh
West Point
Goshen
Middletown
Port Jervis
Monticello
Ellenville
Warwick
Sing Sing
Tarrytown
White Plains
New York
Flushing
Jamaica
Port Jefferson
Brookhaven
Setauket
Riverhead
Southampton
East Hampton
Cutchogue
Delaware R.
45°
44°
43°
42°
41°
72°
73°
74°
75°
76°
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81°
A.W.R.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, Prof. Frank H. Bigelow, in Charge.

SECTION 103—SOUTH CENTRAL NEW YORK.

Climatological section No. 103 includes practically all that part of New York drained by the Susquehanna and Delaware rivers, excepting the western half of Steuben County, which lies within section No. 101. The total area of the section is about equal to that of Massachusetts. Small portions of Orange, Ulster, Greene, and Schoharie counties on the east, and of Herkimer, Oneida, Madison, Onondaga, Tompkins, and Schuyler on the north, are embraced within the boundaries of this section.

For the most part, section No. 103 embraces an area of considerable elevation, which has been well described as semi-mountainous. At a distance from the principal streams the country is roughly rolling, but near them the topography is more rugged, the valleys being flanked by high and steep hills, many of which are precipitous and bluff-like at their bases. The main valleys are at elevations ranging from 800 to 1,200 feet above sea level, while many of the hills rise to an altitude of 2,500 feet. Near the headwaters of the Chenango River in Madison County and of Oak Creek in Otsego County, the elevation of the valleys is more than 1,400 feet. The section includes the western slopes of the Catskills, where the contour is much more rugged, the elevation greater, and the surface to a considerable extent covered with a second growth forest. Most of the section, however, is deforested, and, the surface being principally in the region of the Chemung sandstones and shales, the streams are flashy and uncertain in their flow with high flood stages and very low water during periods of drought. For this reason there has been comparatively little development of water power in the section.

A general description of the drainage systems of this section will be found under Hydrographic Data, by Mr. R. H. Bolster, Assistant Engineer, U. S. Geological Survey, forming a part of this summary. For information as to the character of the climatological data upon which the accompanying tables are based and for a brief account of the meteorological work done in New York since 1826, reference is here made to the text of the summary for section No. 101.

CLIMATIC CHARACTERISTICS.

The climate of the section is of a decidedly continental type, and, owing to the elevation and the topography, is particularly distinguished by great variability of temperature, which makes the seasons uncertain and often quite different in character from year to year. At Oxford, a representative station, the average temperature for January has in different years varied from 14.3° to 30.6°. Only in the late summer months are the temperature conditions fairly uniform in different years.

The winters are long, sometimes very severe and sometimes mild, but are nearly always broken by periods of remarkably warm weather. Temperatures above 60° have been observed throughout the section in January, while the highest temperatures for the other winter months furnish instances almost as striking. At many stations the temperature has reached 80° in March. On the other hand, temperatures of zero or below have been recorded as early as November and as late as March in nearly all parts of the section. Freezing weather occurs generally in all the months but June, July, and August, and, in a few instances, has been known even in each of these.

The maximum temperatures do not reach 100°, except in the southern valleys, but generally rise to 90° or more in June, July, and August, and occasionally in May and September. A temperature of 92° has been observed in April at Cortland, and of 93° in October at Elmira. Except in the lower valleys, however, the summer temperatures over this section are very agreeable, there being but few days of uncomfortably hot weather, while the nights are almost invariably cool and pleasant.

The mean annual temperature ranges from about 48° in some of the southern valleys to less than 44° on the highlands of the most northern and eastern counties. According to the mean monthly temperatures of most stations in this section, the coldest month appears to be February, though generally the lowest temperatures on record have been observed in January. March is the most variable, the highest and lowest average temperatures for the month at some stations differing by nearly 20°. The warmest month is July, the average being about 71° in the southern valleys and about 66° over the coolest parts of the highlands.

The average date of the last killing frosts in spring for seven selected representative stations with records of eight to thirteen years, is May 12th, which is six days later than the average date determined for section No. 102, an area extending from central New York northward to the St. Lawrence. On the other hand, the average date of the first killing frosts in autumn is October 1st in this section, as compared with October 10th in the section lying farther north.

The mean annual precipitation varies with considerable regularity from about 33 inches in the western counties to 45 inches in the extreme southeastern part of the section, the average obtained for the northern counties being nearly 40 inches.

Precipitation occurs with moderate frequency in all seasons of the year throughout the section. The best available records indicate an annual average number of days with .01 inch or more varying from about 120 in Orange and Sullivan counties to 150 over the ridge near southern Schuyler and Tompkins counties. It will be noticed that the regions of greatest precipitation are the regions of least frequency.

The greatest average monthly amounts occur in June, July, or August, and the least in January or February. There is a decided variation in precipitation from winter to summer, the average amount for February being less than half that for July over much of the northern portion of the section. In the southeastern part, especially in Orange and Sullivan counties, precipitation is more evenly distributed through the year, but even there we find the least monthly averages slightly more or less than 3 inches, while the greatest are nearly 5.

Summer droughts of considerable duration and severity occur quite frequently, and generally speaking, a monthly rainfall of less than 2 inches produces a very serious deficiency of moisture. This is particularly true when considerable of the rain occurs at excessive rates, as often happens. Examination of the tables will give an idea of the frequency of drought. On the other hand, the rainfall of the summer months occasionally reaches 8 inches or more. It may be well to note that most records of fifteen years or more show a marked difference between the driest and wettest years, the least annual amounts being little more than half the greatest.

NEWARK VALLEY, TIOGA COUNTY—Elevation 825 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1868..	....	....	....	....	....	....	4.25	....	....	....	....	3.10	.....
1869..	3.68	....	2.15	2.30	3.50	3.00	4.06	3.31	3.90	4.10	2.70	3.20	.....
1870..	2.20	....	....	2.50	3.10	3.40	2.80	....	2.20	3.80	1.00	2.20	.....
1871..	2.30	....	....	2.40	3.90	3.60	5.40	5.90	0.50	2.10	2.80	3.70	.....
1890..	....	....	....	....	....	4.15	2.79	6.12	4.76	6.27	1.10	3.58	.....
1891..	3.43	2.75	4.37	2.47	0.57	6.11	4.18	6.48	1.47	4.75	3.44	4.12	41.14
1892..	4.11	1.16	4.60	1.01	6.96	4.38	4.24	6.06	1.64	1.84	2.88	0.77	39.65
1893..	1.40	2.86	2.70	3.49	6.66	1.76	4.00	5.17	5.96	2.68	0.75	2.80	40.23
1894..	2.45	2.80	1.52	....	6.50	4.34	3.01	2.21	5.05	6.42	2.23	2.09	.....
1895..	2.67	0.78	1.07	2.70	3.23	2.59	3.38	4.13	2.13	1.14	2.49	2.43	28.74
1896..	1.30	4.55	3.93	0.39	2.95	3.00	5.71	1.03	3.24	4.23	2.21	1.22	33.89
1897..	1.25	1.34	2.74	3.08	4.01	3.81	4.43	3.71	4.71	0.36	3.82	2.85	36.11
1898..	4.04	2.04	2.26	3.72	5.48	3.27	3.62	8.18	2.33	6.69	3.11	2.37	47.11
1899..	1.83	2.22	3.53	1.39	3.47	2.14	1.69	3.52	1.87	1.60	3.08	3.43	29.77
1900..	2.23	2.94	3.90	1.44	0.88	2.88	3.98	2.73	2.28	4.22	5.54	2.52	35.51
1901..	1.47	0.93	3.75	5.43	6.28	2.57	3.56	4.36	2.70	1.30	3.37	5.78	41.50
1902..	1.54	2.04	4.54	2.56	2.80	7.23	7.70	2.87	4.43	3.59	1.23	3.77	44.36
1903..	2.82	2.76	4.66	1.62	0.33	6.81	4.44	8.65	1.23	5.85	2.36	1.52	43.12
1904..	3.61	1.38	3.13	3.16	4.00	4.85	4.89	5.03	4.50	3.81	0.59	2.29	41.27
1905..	2.09	0.83	3.23	2.56	1.80	4.47	6.93	4.06	4.61	3.58	2.43	3.37	39.99
1906..	1.51	1.39	3.84	2.67	3.59	4.60	1.87	4.20	1.43	5.40	1.82	3.16	35.43
1907..	2.74	1.35	0.87	3.41	2.41	3.50	4.50	0.91	6.42	4.50	2.67	3.69	37.00
1908..	2.39	2.90	3.25	3.04	4.51	2.46	5.23	2.58	1.60	2.93	1.15	2.01	34.10
1909..	2.85	3.41	2.25	3.70	3.38	6.15	1.65	2.51	3.08	2.69	1.04	1.93	34.61
Mean	2.45	2.12	3.12	2.62	3.65	3.96	4.10	4.08	3.13	3.65	2.34	2.83	38.05

WEDGWOOD, SCHUYLER COUNTY—Elevation 1,430 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1888..	....	....	....	....	....	....	....	....	....	....	2.40	3.85	.....
1889..	3.53	2.28	1.14	3.02	3.17	6.70	7.16	4.73	2.34	3.31	4.88	2.40	44.66
1890..	2.67	2.52	4.09	2.74	7.04	3.52	1.02	5.48	8.53	5.45	1.58	3.84	48.48
1891..	2.48	3.88	3.11	2.46	0.89	2.43	2.45	4.58	0.66	4.19	1.77	3.85	32.75
1892..	3.50	2.50	3.81	1.08	5.17	4.35	7.24	4.02	0.75	2.20	3.25	0.71	33.58
1893..	2.23	2.49	2.93	3.55	5.37	5.51	3.56	5.61	2.83	2.57	1.60	1.71	39.95
1894..	3.10	3.09	1.00	6.67	8.01	2.59	2.49	1.41	5.91	4.22	1.86	3.15	43.50
1895..	2.30	0.85	1.00	1.55	2.71	3.97	2.31	8.27	1.32	1.02	3.37	3.51	32.18
1896..	1.72	5.02	3.43	2.52	2.98	6.23	5.02	1.54	5.02	4.42	2.03	1.42	41.35
1897..	1.85	0.87	2.54	2.72	3.72	2.74	3.43	3.04	2.66	0.74	3.20	1.93	29.44
1898..	2.73	1.88	2.62	2.91	3.40	2.72	3.48	4.73	1.86	5.95	2.73	1.93	36.99
1899..	1.72	2.07	2.80	1.03	2.04	2.11	3.77	2.55	2.48	2.62	3.50	2.90	29.59
1900..	2.56	2.57	3.74	1.80	2.72	1.91	3.19	1.71	0.90	5.33	6.79	2.53	35.75
1901..	2.05	1.37	3.32	5.44	4.82	4.09	2.84	9.42	2.46	0.81	2.90	5.29	44.81
1902..	2.04	2.02	2.87	2.96	2.33	6.25	9.23	3.70	2.73	3.41	1.24	3.25	42.03
1903..	3.29	2.25	5.42	2.06	0.87	5.53	3.26	10.34	1.51	5.05	1.81	1.93	43.32
1904..	3.68	1.77	3.12	3.87	5.31	3.39	4.79	4.85	2.13	2.02	0.62	1.87	37.42
1905..	3.12	0.83	3.07	2.24	2.06	7.02	3.26	2.57	2.93	5.28	1.49	3.14	37.04
1906..	0.94	0.95	3.67	1.49	5.04	6.45	2.79	4.81	2.17	3.44	1.78	2.88	35.41
1907..	2.30	1.03	1.53	4.10	3.21	3.74	2.55	1.35	4.49	3.48	2.69	4.12	34.59
1908..	2.19	4.28	2.71	3.20	4.46	1.48	5.10	2.74	1.31	2.39	1.15	1.31	32.32
1909..	2.42	3.42	2.72	3.37	2.40	4.35	1.13	2.69	3.43	2.44	1.64	2.05	32.06
Mean	2.50	2.28	2.89	2.89	3.70	4.15	3.81	4.29	2.78	3.35	2.47	2.71	37.82

WAVERLY, TIOGA COUNTY—Elevation 824 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1882..	1.25	0.75	....	....	....	2.32	2.72	1.89	1.28	0.70	1.33	0.91	.....
1883..	1.38	2.95	1.02	1.67	3.64	7.31	5.18	2.91	2.79	1.61	0.91	1.36	32.73
1884..	2.42	2.07	4.87	1.49	3.20	1.24	2.63	2.07	1.74	2.86	1.41	2.73	28.23
1885..	2.14	1.37	0.33	1.51	3.91	3.90	2.99	3.94	1.87	5.60	2.24	1.23	31.03
1886..	3.42	0.94	1.98	2.68	1.42	1.87	5.43	1.47	3.01	1.85	4.77	0.77	29.61
1887..	1.20	2.88	1.54	1.45	1.33	2.79	7.19	2.63	2.57	2.11	2.17	2.00	29.86
1888..	2.51	0.86	2.14	2.02	2.08	1.17	2.12	3.44	3.71	3.15	2.70	3.01	28.91
1889..	2.35	1.79	1.55	2.75	3.24	6.50	5.89	1.23	3.30	4.04	5.90	2.38	40.92
1890..	2.25	2.18	3.33	2.65	5.62	4.78	3.07	5.80	8.24	5.24	0.97	4.31	48.47
1891..	3.23	2.88	2.84	1.83	0.59	4.07	2.36	6.31	2.36	4.32	2.07	3.54	36.40
1892..	3.99	1.53	2.98	0.87	5.95	4.70	3.60	4.11	2.27	1.35	2.71	0.70	34.76
1893..	2.25	2.73	2.89	3.39	7.54	1.97	3.55	5.29	5.57	2.34	1.61	3.18	42.31
1894..	2.39	2.64	1.35	4.63	6.96	1.92	2.19	2.55	5.34	5.55	1.95	2.56	40.03
1895..	2.56	1.15	1.60	1.83	2.89	2.98	1.58	3.67	1.63	0.85	1.80	3.71	26.25
1896..	1.66	4.07	3.40	1.18	2.41	2.85	5.81	1.57	3.57	4.90	2.58	1.01	35.01
1897..	1.72	1.67	1.89	3.10	3.66	3.22	4.50	3.21	3.42	0.79	3.69	2.70	33.57
1898..	2.65	1.70	2.43	3.55	3.86	2.28	2.97	5.82	1.87	5.85	2.55	2.75	38.28
1899..	1.77	2.26	2.88	1.23	3.26	2.77	4.08	5.23	2.40	1.53	3.37	2.48	33.26
1900..	2.00	3.35	4.08	1.58	1.11	2.75	3.07	1.64	1.12	3.72	5.20	2.76	32.38
1901..	1.22	0.86	4.42	5.87	5.96	2.59	3.35	5.83	2.59	1.42	3.47	6.61	44.19
1902..	2.48	2.20	4.56	2.76	1.97	5.50	7.29	2.36	3.98	3.46	1.05	3.19	40.80
1903..	2.52	2.23	4.27	2.25	0.76	6.67	3.87	6.52	1.85	5.60	2.30	1.49	40.33
1904..	3.47	1.53	3.67	2.57	4.02	3.33	2.76	3.31	3.38	2.08	0.69	1.81	32.62
1905..	2.72	0.58	3.11	2.31	1.61	4.34	7.47	2.33	3.30	3.22	1.90	3.14	36.03
1906..	1.38	1.02	3.60	2.29	4.04	6.19	2.85	3.20	2.33	3.44	1.29	2.47	34.10
1907..	3.16	1.33	1.29	2.87	2.09	3.37	2.76	1.25	4.44	3.27	2.13	3.69	31.65
1908..	1.97	3.02	3.23	3.51	4.28	2.66	3.45	2.92	0.66	2.35	0.86	1.98	30.89
1909..	2.12	3.01	2.18	3.88	2.78	3.76	1.16	3.33	2.24	2.32	0.52	2.03	29.33
Mean	2.29	1.98	2.70	2.51	3.34	3.56	3.78	3.42	2.96	3.05	2.29	2.52	34.40

RICHMONDVILLE, SCHOHARIE COUNTY—Elevation 500 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1899..	....	....	6.24	1.62	2.75	2.32	....	1.20	3.22	1.15	1.58	2.85	.....
1900..	3.21	3.61	4.06	2.35	2.23	2.37	5.63	3.39	1.34	2.61	3.74	1.95	35.50
1901..	1.69	0.66	2.09	6.82	5.22	2.54	7.21	5.38	3.24	2.19	1.62	3.83	42.52
1902..	1.38	3.11	3.54	3.99	2.39	4.81	6.95	3.05	4.49	3.81	1.05	4.45	43.02
1903..	1.78	2.54	5.16	1.03	0.22	8.84	3.12	5.66	1.23	6.78	1.68	2.42	40.46
1904..	3.21	2.18	3.27	2.47	1.10	3.61	3.27	4.20	3.86	4.16	1.23	2.62	35.21
1905..	2.64	2.17	1.48	1.13	2.40	6.51	5.62	4.54	3.27	3.62	....	3.15	.....
1906..	1.84	2.00	2.60	3.50	....	....	....	....	....	....	....	....	.....
Mean	2.25	2.32	3.56	2.86	2.33	4.43	5.30	3.92	2.95	3.47	1.82	3.01	38.25

PORT JERVIS, ORANGE COUNTY—Elevation 470 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1880..	2.65	2.73	2.94	4.25	1.22	2.31	3.90	3.29	2.53	1.70	2.50	1.88	31.90
1881..	3.45	4.14	2.59	1.12	2.62	5.63	3.52	2.48	2.45	2.87	3.03	4.42	38.37
1882..	5.49	3.87	3.37	1.94	7.00	3.33	3.93	2.29	6.97	2.04	1.39	1.78	43.43
1883..	2.44	3.01	1.87	3.87	2.56	5.06	6.47	1.32	2.53	4.09	1.12	1.81	36.15
1884..	3.62	4.29	4.45	3.29	3.95	2.12	5.53	5.18	1.15	2.29	3.39	4.23	43.52
1885..	4.04	1.62	1.18	1.88	....	....	....	....	....	....	....	....	.....
1890..	2.06	4.00	5.68	2.68	7.25	4.47	6.22	5.88	4.82	7.25	1.21	3.53	55.06
1891..	7.02	4.03	3.11	2.94	2.64	1.39	7.42	6.00	1.82	2.05	3.37	4.02	45.81
1892..	5.66	1.12	3.24	1.27	6.13	6.01	7.08	6.23	3.34	0.61	5.07	1.42	47.18
1893..	3.57	5.54	3.80	3.61	8.44	3.79	3.33	5.63	1.93	3.67	3.47	3.92	50.70
1894..	2.47	4.03	1.57	3.29	6.68	1.95	1.83	1.57	6.02	6.06	3.34	6.05	44.86
1895..	3.77	1.45	1.69	4.67	3.04	2.71	3.20	8.14	1.48	5.79	2.90	3.33	42.17
1896..	1.55	6.51	6.60	1.63	2.88	5.54	8.71	2.51	5.43	3.53	5.31	1.14	51.34
1897..	2.91	3.00	2.74	3.11	5.57	3.24	9.23	3.65	2.22	1.18	5.71	6.71	49.27
1898..	4.21	4.33	2.95	3.23	7.15	4.15	4.51	7.08	2.14	5.04	5.48	2.27	52.51
1899..	2.84	4.04	5.83	2.23	2.30	4.71	10.49	2.18	6.51	1.00	2.22	2.01	46.35
1900..	2.32	5.15	4.00	2.06	2.92	4.99	4.40	3.51	1.85	1.31	3.67	2.93	39.16
1901..	1.59	1.13	5.19	6.73	6.73	2.65	7.33	5.64	5.52	1.44	3.09	7.99	55.03
1902..	3.09	6.46	3.23	4.19	2.59	4.81	5.44	3.67	8.01	5.39	1.29	6.29	54.46
1903..	3.00	4.37	3.68	3.52	1.00	13.76	4.50	8.25	1.52	10.60	1.99	3.86	60.05
1904..	3.42	2.08	3.56	3.31	4.97	2.01	5.05	5.53	6.80	4.72	2.28	2.10	45.83
1905..	5.26	2.00	3.60	1.85	2.04	2.97	4.75	6.39	5.51	4.31	1.84	3.49	41.01
1906..	2.00	2.28	4.09	4.27	4.07	3.60	5.33	3.44	2.22	2.58	1.56	3.44	38.91
1907..	3.26	1.72	2.24	2.37	2.72	2.99	3.95	3.88	7.01	5.30	5.24	4.81	44.49
1908..	2.83	5.22	4.23	1.90	6.92	2.45	2.35	2.18	2.17	3.73	0.80	2.70	37.48
1909..	3.39	5.21	4.04	5.98	2.83	3.54	1.37	2.39	2.83	1.20	2.13	3.88	38.79
Mean	3.33	3.59	3.52	3.12	4.25	4.01	5.16	4.33	3.79	3.59	2.94	3.60	45.28

OXFORD, CHENANGO COUNTY—Elevation 916 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1829..	3.71	2.46	2.42	5.07	1.99	3.00	3.17	3.84	2.69	3.41	2.43	2.52	36.71
1830..	2.07	0.73	3.93	1.56	3.43	5.04	4.50	0.86	1.93	2.21	4.59	2.94	33.79
1831..	2.71	1.67	1.21	1.93	1.23	4.37	4.25	4.13	3.75	3.52	0.91	0.94	30.63
1832..	2.30	5.81	1.04	1.71	1.92	2.63	0.70	5.33	1.62	1.64	2.33	3.87	31.00
1833..	1.85	1.65	0.80	0.33	6.15	2.47	3.66	3.48	4.11	4.38	2.20	1.61	32.69
1834..	0.92	1.29	0.93	1.57	3.27	4.73	3.59	3.43	2.03	3.17	1.79	2.79	29.54
1835..	2.35	1.68	1.93	5.27	2.14	5.72	3.43	5.33	1.79	5.12	2.92	0.90	38.66
1836..	5.11	2.48	0.54	2.14	3.70	5.84	6.93	3.04	2.93	4.35	1.44	2.67	41.20
1837..	2.39	1.74	3.30	0.77	5.23	4.12	4.68	3.37	2.55	5.13	1.67	1.65	36.60
1838..	1.64	1.05	1.14	1.68	6.15	3.72	2.83	3.70	3.50	3.65	3.10	1.03	33.22
1839..	4.97	1.23	1.74	3.05	4.96	4.55	5.20	2.12	3.05	0.67	2.74	2.49	35.78
1840..	2.37	3.09	2.80	4.20	4.65	4.10	3.12	4.45	3.39	4.99	1.40	2.35	40.92
1841..	3.78	0.49	3.86	4.23	2.02	2.42	3.13	3.90	2.94	1.32	4.10	4.27	36.46
1842..	1.80	4.31	3.90	2.97	1.49	4.52	4.20	4.93	6.93	2.67	3.58	3.97	45.30
1843..	2.50	2.61	4.01	4.52	1.04	5.39	3.77	4.26	4.41	4.79	2.12	1.82	41.23
1844..	1.81	0.21	1.82	1.33	6.18	1.63	8.29	3.61	3.21	3.53	2.07	1.18	34.87
1845..	2.57	1.22	2.87	2.77	2.44	5.08	3.04	1.61	4.34	3.90	2.20	1.28	33.32
1850..	....	....	....	....	....	....	....	....	....	....	2.55	4.46	.....
1851..	1.03	5.16	1.49	4.29	4.20	5.02	2.78	1.92	2.92	1.70	4.85	2.54	37.90
1852..	2.13	1.98	2.57	2.94	3.15	3.33	3.52	2.71	3.21	2.63	4.95	4.39	37.51
1853..	2.84	4.18	2.10	3.85	5.71	3.48	5.68	4.94	7.76	3.21	3.43	1.26	48.39
1854..	1.97	3.17	2.77	7.11	3.22	2.10	4.04	2.08	4.77	....	....	2.55	.....
1855..	3.40	1.37	1.10	4.43	3.80	10.93	5.21	4.44	2.18	4.26	2.98	3.56	47.66
1856..	1.46	0.60	1.37	2.93	3.57	1.92	2.73	4.94	4.76	0.91	2.22	1.67	29.13
1890..	4.20	3.73	4.48	3.64	10.04	5.27	2.25	7.44	7.67	6.21	2.09	3.61	60.63
1891..	4.83	4.15	2.78	2.44	1.39	5.44	4.27	6.02	2.72	4.42	2.65	5.38	46.49
1892..	6.47	1.66	4.87	1.74	9.37	4.12	5.62	7.90	2.50	1.62	3.44	1.27	50.58
1893..	2.57	4.47	2.58	4.89	6.23	3.70	6.01	7.37	3.94	1.46	1.72	3.28	48.22
1894..	2.85	2.46	1.86	2.79	5.03	4.02	2.73	2.36	6.11	5.97	2.58	2.60	41.35
1895..	3.46	2.00	2.18	2.76	2.78	1.74	2.48	4.59	2.64	1.03	3.95	4.23	33.82
1896..	1.99	4.97	5.56	0.77	3.53	2.96	5.37	2.71	2.17	2.69	2.66	1.72	37.10
1897..	1.76	2.09	4.08	3.76	5.47	4.80	8.04	2.68	3.13	0.80	4.85	4.01	45.47
1898..	4.76	3.11	2.75	4.90	3.90	3.58	3.41	9.82	4.99	7.08	4.58	3.35	55.23
1899..	2.22	3.29	5.44	1.70	3.43	4.30	5.22	3.20	3.05	2.52	2.03	3.54	39.91
1900..	3.19	4.76	5.31	1.70	2.00	3.77	3.72	2.89	2.53	3.62	5.31	3.43	42.23
1901..	2.89	2.05	3.70	3.33	7.69	2.95	3.93	4.33	3.61	3.04	3.12	6.21	46.86
1902..	1.82	4.02	4.32	1.78	2.73	6.46	8.65	2.62	3.97	4.80	1.25	6.11	48.53
1903..	3.92	2.99	5.64	1.69	0.42	7.53	3.93	7.89	1.52	7.06	1.88	5.53	50.08
1904..	4.63	2.85	3.72	3.09	3.06	1.22	5.93	4.49	5.25	3.06	1.50	3.75	42.60
1905..	3.23	1.92	3.60	4.07	3.11	6.34	6.22	4.41	4.68	3.94	2.95	4.12	48.59
1906..	2.11	2.08	3.95	2.78	5.66	3.86	3.31	5.53	2.24	4.41	1.89	4.54	42.36
1907..	3.68	1.85	1.85	3.88	3.11	2.09	3.22	1.59	6.55	4.50	4.15	5.03	41.50
1908..	3.78	4.58	3.64	3.18	5.44	2.18	3.74	2.14	1.14	2.52	1.43	2.87	36.64
1909..	3.97	3.82	3.34	3.78	3.93	3.73	2.75	....	3.03	2.28	1.73	2.29	.....
Mean	2.94	2.63	2.91	3.01	3.95	4.10	4.27	4.11	3.59	3.35	2.69	3.08	40.63

SOUTH KORTRIGHT, DELAWARE COUNTY—Elevation 1,527 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1889..	......	0.86	1.38	2.55	4.18	6.02	5.52	3.26	3.80	3.31	4.42	1.94	.....
1890..	2.95	2.06	3.22	1.86	5.24	4.66	2.31	5.11	5.64	4.86	1.81	5.25	44.97
1891..	4.67	3.31	2.37	1.65	3.57	3.04	3.67	4.21	1.45	2.70	2.63	4.57	37.84
1892..	3.30	1.20	2.32	0.77	6.35	2.80	5.14	6.55	2.98	1.13	2.61	1.11	36.26
1893..	1.27	4.22	2.82	3.35	5.81	5.76	3.50	7.26	3.76	2.05	1.10	1.99	42.89
1894..	2.28	1.19	1.25	2.25	6.67	4.16	4.10	0.84	3.08	4.04	2.30	3.08	35.24
1895..	1.76	1.40	1.69	3.31	2.10	1.53	3.11	4.68	2.69	2.71	3.70	3.23	31.91
1896..	......	4.81	3.76	1.48	2.91	2.75	5.50	2.12	3.63	2.35	2.83	1.37	.....
1897..	0.94	1.53	2.59	2.91	5.33	5.00	5.56	6.03	4.67	0.98	4.35	4.02	43.91
1898..	2.84	2.38	1.82	2.54	4.06	3.70	2.56	8.21	2.98	5.23	3.88	1.87	42.07
1899..	1.35	2.35	3.53	1.79	2.81	4.24	4.31	2.19	4.89	0.90	1.48	2.44	32.23
1900..	1.91	3.55	2.31	1.71	1.65	4.74	2.84	3.18	2.50	2.09	2.37	2.06	30.92
1901..	1.84	1.23	3.64	5.00	4.97	2.75	3.60	3.87	4.25	3.87	2.57	5.75	43.34
1902..	1.61	3.56	3.23	3.30	2.48	8.41	6.39	3.55	5.24	5.14	0.81	4.11	47.88
1903..	2.55	3.31	4.74	1.71	0.25	6.21	3.39	5.44	1.64	8.30	2.23	3.25	43.02
1904..	2.37	1.67	2.75	1.99	2.19	1.73	4.54	6.33	4.37	4.61	1.98	1.87	36.40
1905..	2.89	0.83	2.98	2.16	1.56	3.74	6.53	5.14	4.35	3.11	2.16	2.79	38.24
1906..	1.88	2.24	......	......	......	......	......	......	......	......	......	......	.....
Mean	2.28	2.32	2.73	2.37	3.66	4.19	4.27	4.59	3.65	3.38	2.54	2.98	38.96

PRATTSBURG, STEUBEN COUNTY—Elevation 1,494 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1829..	2.10	1.05	1.42	1.39	2.74	3.61	3.91	2.20	2.56	1.55	2.36	1.27	26.16
1830..	1.73	0.78	2.67	1.93	4.44	7.60	3.08	2.57	2.23	1.70	3.92	3.47	36.15
1839..	3.09	1.68	1.55	2.00	4.90	5.87	3.55	3.30	0.14	0.75	1.90	2.50	31.23
1840..	2.10	2.20	3.30	3.35	4.00	4.80	3.85	3.24	1.50	4.40	2.85	3.35	38.94
1841..	2.60	1.10	3.05	4.10	0.95	2.30	1.50	2.20	2.33	1.78	2.45	5.70	30.06
1842..	1.35	1.80	5.50	3.75	2.75	3.70	3.10	3.50	6.00	3.05	2.35	3.50	40.35
1843..	1.10	3.75	1.50	3.25	1.30	4.70	2.65	1.73	7.85	4.30	2.50	1.35	35.93
1844..	1.26	1.17	1.00	0.95	4.50	1.40	8.12	2.25	3.10	2.60	1.70	1.00	29.05
1845..	2.35	2.85	1.75	3.00	2.75	2.40	0.15	1.60	3.50	5.22	1.65	1.30	28.52
Mean	1.93	1.82	2.42	2.64	3.15	4.04	3.32	2.51	3.25	2.82	2.41	2.60	32.94

STRAITS CORNERS, TIOGA COUNTY.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1896..	......	......	......	......	......	......	......	......	......	......	2.95	1.43	.....
1897..	1.31	1.39	2.82	2.68	4.27	3.64	4.04	2.66	4.01	0.52	3.90	2.12	33.36
1898..	3.14	1.98	2.71	4.02	4.35	3.66	2.40	7.15	2.57	5.68	3.07	1.84	42.52
1899..	1.71	2.09	3.17	1.29	3.31	2.44	4.05	3.25	2.13	1.87	3.29	3.66	32.31
1900..	2.54	3.10	4.08	1.76	1.90	2.25	4.17	1.52	1.91	4.89	5.84	2.73	36.69
1901..	1.68	2.12	4.32	5.75	4.48	2.99	4.40	5.25	2.50	1.13	4.12	6.30	45.04
1902..	2.85	2.20	4.37	2.12	1.48	5.27	6.19	3.84	3.29	4.23	0.50	2.60	38.94
1903..	2.55	1.40	4.56	2.27	0.17	6.18	5.24	5.96	0.46	5.97	1.91	1.90	38.57
1904..	3.94	1.30	2.96	4.15	4.26	2.56	2.98	3.52	3.64	3.50	0.30	2.00	35.11
1905..	2.05	0.73	1.60	2.85	1.75	6.46	6.50	3.75	3.77	2.81	1.20	3.12	36.59
Mean	2.42	1.81	3.40	2.99	2.89	3.94	4.44	4.10	2.70	3.39	2.71	2.77	37.56

PINE CITY, CHEMUNG COUNTY.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1890..	......	......	......	......	......	3.71	1.96	6.07	4.86	4.60	0.90	5.61	.....
1893..	......	......	......	......	......	3.97	3.71	4.20	3.77	2.95	1.59	2.26	.....
1894..	2.19	2.70	1.03	5.09	8.00	2.27	1.72	0.88	4.57	3.20	2.37	2.40	36.42
1895..	1.01	2.30	1.43	1.26	3.01	2.81	2.05	3.98	1.96	0.38	2.07	3.28	25.54
1896..	1.82	4.04	3.16	0.97	3.14	3.10	5.30	1.75	3.35	5.04	0.93	0.88	33.48
1897..	1.32	0.78	2.30	2.95	4.55	2.28	5.10	4.00	3.48	0.91	3.53	2.04	33.24
1898..	3.47	1.22	2.65	2.99	3.46	3.59	2.64	6.05	1.35	4.73	1.43	2.90	36.48
1899..	1.50	2.61	3.37	2.38	3.11	2.94	2.37	4.84	2.96	2.20	2.59	2.54	33.41
1900..	2.40	2.78	3.22	1.27	1.01	......	......	......	......	......	......	......	.....
Mean	1.93	2.35	2.45	2.42	3.75	3.02	3.11	3.97	3.29	3.00	1.93	2.74	33.95

HAMILTON ACADEMY, MADISON COUNTY—Elevation 1,127 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1827..	2.33	3.48	3.00	1.93	1.11	2.68	3.21	3.89	6.75	7.77	1.77	5.52	43.44
1828..	1.53	3.25	1.68	1.75	2.91	5.35	6.20	2.38	3.53	1.14	4.09	0.37	34.18
1829..	3.60	3.05	1.95	4.50	1.65	3.45	2.55	1.67	3.56	1.58	2.75	2.50	32.81
1830..	1.60	1.00	5.51	1.35	2.84	6.60	6.75	0.74	2.15	2.29	6.10	5.78	42.71
1831..	2.25	3.59	0.52	4.18	1.49	4.20	2.74	3.89	2.85	3.71	2.11	1.90	33.43
1832..	3.09	4.65	1.25	1.89	1.85	0.73	3.40	6.73	2.83	2.18	3.24	3.47	35.31
1833..	2.20	5.84	3.14	0.52	5.16	2.26	7.79	2.65	5.50	2.96	3.25	1.98	43.20
1834..	2.75	1.59	2.59	1.17	2.65	3.74	3.04	1.85	4.08	4.29	1.51	3.24	32.50
1835..	4.57	1.33	1.35	1.95	4.85	5.68	3.35	2.65	6.14	4.37	1.44	2.37	40.06
1839..	2.99	0.80	1.09	1.19	4.17	4.42	5.27	1.90	2.51	1.28	2.28	3.10	31.00
1842..	1.68	3.23	3.55	2.49	2.04	3.10	4.40	3.53	5.95	2.77	1.88	2.47	37.18
1843..	1.56	2.30	3.30	2.30	1.65	3.60	2.16	4.48	4.08	2.76	3.35	1.33	32.87
1844..	1.57	1.10	1.27	1.51	4.39	1.54	2.81	2.71	2.80	3.61	1.10	1.23	25.64
1845..	2.94	4.25	2.69	2.63	2.34	1.75	2.03	0.94	3.26	2.68	2.72	1.38	29.61
1846..	1.60	3.24	2.37	1.30	3.91	2.52	4.20	1.77	3.63	1.17	2.52	2.87	31.10
1847..	1.79	3.04	1.59	1.37	2.33	4.83	2.74	2.68	3.15	3.30	1.62	3.27	31.71
1848..	1.48	1.26	2.77	1.25	4.25	1.57	5.29	1.98	1.98	1.73	1.95	4.99	30.50
1849..	1.18	0.65	1.32	1.47	3.23	4.40	0.37	2.17	1.48	6.52	2.02	2.37	27.18
Mean	2.26	2.65	2.27	1.93	2.98	3.47	3.80	2.70	3.68	3.12	2.54	2.78	34.13

CLINTON, HAMILTON COLLEGE, ONEIDA COUNTY—Elevation 900 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
1850...	....	....	....	....	....	....	....	....	5.02	7.18	4.17	4.13	.....
1851..	1.46	3.86	1.65	3.00	2.52	4.90	5.37	2.94	2.77	3.06	4.79	3.08	39.40
1852..	2.86	2.48	3.55	3.91	4.12	3.99	4.36	2.80	2.99	5.37	5.66	5.16	47.25
1853..	2.46	3.50	2.78	3.70	4.61	2.75	3.08	4.58	6.75	3.33	3.06	1.49	42.09
1854..	2.66	2.99	4.30	8.19	2.70	4.81	2.76	2.60	3.92	2.68	2.72	2.65	42.98
1855..	4.11	1.10	0.80	0.42	2.15	8.12	8.03	3.59	4.66	7.21	3.89	3.81	47.89
1856..	1.20	1.30	2.32	2.41	4.82	2.65	1.42	3.07	3.72	1.17	3.65	3.03	30.76
1857..	1.46	2.96	3.63	9.18	4.66	8.51	4.68	7.15	4.40	6.41	3.91	4.78	61.73
1858..	2.43	2.01	1.41	4.37	4.73	4.20	4.18	3.34	3.28	4.25	3.94	3.99	42.13
1859..	3.63	1.32	3.78	5.85	2.28	6.75	4.73	3.33	5.36	2.69	4.65	4.58	48.95
1860..	1.23	1.02	1.80	1.72	5.25	3.69	6.12	4.20	4.22	5.77	6.08	2.33	43.43
1862..	2.90	1.80	2.40	1.46	1.91	2.26	3.06	1.52	1.49	4.65	4.84	2.38	30.67
1863..	....	2.62	2.84	....	2.97	1.68	5.46	5.84	2.47	2.97	2.75	3.11	.....
1864..	2.83	1.01	2.51	2.38	3.73	1.15	2.39	7.56	2.72	3.55	3.64	4.88	38.35
1865..	2.42	4.65	2.32	....	....	....	....	....	....	....	....	....	.....
Mean	2.43	2.33	2.58	3.88	3.57	4.27	4.28	4.04	3.84	4.31	4.12	3.63	43.18

DIRECTION OF PREVAILING WIND.

Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October	November	December.	Annual.
Binghamton	12	nw	nw	nw	nw	nw	nw	w	nw	e	nw	w	w	nw
Ithaca	24	se	se	nw	nw	nw	nw	se	se	se	se	se	se	se

AVERAGE NUMBER OF DAYS WITH .01 OR MORE OF PRECIPITATION.

Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Annual.
Binghamton	19	14	12	12	12	13	12	12	11	10	10	11	13	142
Cortland	16	13	11	11	9	12	10	12	9	9	11	11	12	130
Elmira	19	8	7	10	10	13	10	11	10	8	9	8	7	111
Liberty	11	10	8	8	9	9	10	10	8	8	8	6	10	104
New Lisbon	18	11	9	11	11	13	12	12	11	10	10	11	10	131
Oxford	19	14	13	13	11	13	10	12	11	9	10	11	13	140
Wedgwood	20	13	12	14	13	15	13	13	11	11	12	12	11	150

MEAN TEMPERATURE.

Station.	Years record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October	November	December.	Annual.
Binghamton	19	23.5	22.7	32.6	44.7	56.8	65.8	69.8	67.4	61.6	49.5	38.0	27.7	46.7
Cortland	45	22.8	22.0	30.5	42.5	54.5	62.9	67.1	65.0	57.9	47.1	36.2	26.2	44.7
Elmira	28	26.1	25.6	35.3	47.9	59.8	68.9	73.0	70.3	63.6	51.5	40.3	30.1	49.4
Liberty	18	21.0	21.4	30.3	41.4	54.4	62.9	67.0	64.4	57.4	47.0	35.0	24.6	43.9
New Lisbon	15	19.0	19.0	29.1	41.4	53.2	61.9	65.7	63.6	57.2	46.0	34.1	24.2	42.9
Oxford	42	22.2	22.5	31.2	43.6	55.6	64.2	68.4	65.6	58.7	47.0	35.7	27.7	45.2
Wedgwood	20	23.0	21.6	30.9	43.6	55.7	65.7	69.8	67.7	61.9	49.0	36.8	26.7	46.0

HIGHEST TEMPERATURES BY MONTHS.

Binghamton	12	70	61	80	86	89	93	96	96	93	87	72	65	96
Cortland	16	68	61	80	92	91	92	96	96	92	85	70	60	96
Elmira	18	72	65	80	88	95	98	101	100	102	98	75	65	102
Liberty	11	62	55	78	85	85	90	92	93	87	84	72	57	93
New Lisbon	17	63	57	77	84	88	91	94	93	90	83	70	65	94
Oxford	19	61	56	77	87	94	96	99	96	92	85	73	63	99
Wedgwood	20	67	62	83	87	92	96	98	98	99	91	73	62	99

LOWEST TEMPERATURES BY MONTHS.

Binghamton	12	-26	-21	-11	17	23	38	40	40	27	19	7	-12	-26
Cortland	16	-29	-23	-12	10	23	31	36	35	27	18	0	-13	-29
Elmira	18	-24	-19	- 3	18	24	35	41	40	28	18	10	- 5	-24
Liberty	11	-14	-18	- 4	7	24	26	42	41	23	20	0	-16	-18
New Lisbon	17	-37	-29	-20	10	16	29	32	32	22	13	- 6	-22	-37
Oxford	19	-31	-25	-18	13	18	32	35	34	27	17	2	-20	-31
Wedgwood	20	-13	-17	- 5	12	23	35	43	41	29	18	6	- 8	-17

FROST DATA.

Station.	No. years record.	Average dates of killing frosts.		Latest date of killing frost in spring.	Earliest date of killing frost in autumn.
		Last in spring.	First in autumn.		
Binghamton	13	May 2	Oct. 7	May 21	Sept. 16
Cortland	9	May 18	Oct. 2	June 6	Sept. 15
Elmira	10	May 5	Oct. 1	May 21	Sept. 19
Liberty	8	May 12	Oct. 3	May 30	Sept. 15
New Lisbon	9	May 25	Sept. 23	June 10	Sept. 6
Oxford	9	May 14	Sept. 23	May 30	Sept, 6
Wedgwood	9	May 11	Oct. 10	May 22	Sept. 22

HYDROGRAPHIC DATA FOR SECTION 103.—SUMMARY OF CLIMATOLOGICAL DATA FOR THE UNITED STATES.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY, BY R. H. BOLSTER, ASSISTANT ENGINEER.

[PRELIMINARY NOTE.—Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.]

This section is drained entirely by the Susquehanna River drainage with the exception of its southeastern corner, which lies in the headwaters of the Delaware River drainage.

Susquehanna River basin is the largest and most important drainage area commercially in the Northern Atlantic States, although it is not the most important as regards water power. The headwaters of this river system are on the elevated plateau which separates the headwaters which flow south and east into the Atlantic streams from those flowing north and west into the Mississippi, St. Lawrence, and Great Lakes. Geologically, the watershed lies in four physiographic divisions—the Allegheny plateau, the Allegheny Mountains, the Great Allegheny Valley, and the Piedmont plateau.

Susquehanna River rises in Otsego Lake in north Otsego County, New York, at an elevation of 1,193 feet above tide, and flows in a generally southerly direction into Chesapeake Bay. Its course is in many places extremely tortuous, crossing the State boundary between New York and Pennsylvania three times. The topography of the basin varies widely in character. In New York the stream and its tributaries flow through a rolling and in many places rather broken country, bounded on the north by a mountainous area. In this part of its course its bed is of gravel or sand with occasional rocky ledges, and its banks are moderately high and not extensively subject to overflow.

Chemung River, which is formed by the confluence of Cohocton and Tioga rivers in the southeastern part of Steuben County, New York, is an important tributary of the Susquehanna, draining the westerly portion of section No. 103.

Chemung River proper is about 40 miles in length and enters the Susquehanna River at Athens, Pa. The drainage area above the mouth is about 2,520 square miles. In general, the Chemung is sluggish throughout its course, flowing over a wide gravel bed in a series of rifts and pools and one or the other of the banks is usually low and subject to frequent overflow. The cities of Corning and Elmira have built extensive dikes to confine the water supply at all stages. The rate of run-off of Chemung River drainage is very much lower than that of Chenango and Susquehanna rivers.

Delaware River rises in Delaware, Greene, and Schoharie counties, New York. The source of the western branch is a small lake almost on the line of Schoharie and Delaware counties at an elevation of 1,886 feet above tide. From this lake it flows southwestward across central Delaware County to Deposit, where it receives Oquaga Creek, a large tributary draining eastern Broome County, and turns abruptly to the southeast, forming the boundary line between New York and Pennsylvania until Port Jervis is reached. Here it turns again to the southwest and flows for a distance of about 40 miles along the base of the Shawangunk Range until it passes through the water gap, from which point it flows irregularly southward to Trenton and thence southwestward to Delaware Bay.

East Branch of Delaware River rises at Grand Gorge in northeastern Delaware County, and flows parallel to West Branch across southern Delaware County, uniting with the latter stream at Hancock.

The total length of the river from the mouth to the head of West Branch is about 410 miles.

The total drainage area at Philadelphia, including the Schuylkill River, is 10,100 square miles, of which about 2,580 square miles lie in New York.

The river is tidal to Trenton, which lies also at the head of navigation. The Delaware receives a number of important tributaries, among which may be mentioned Mongaup and Neversink rivers and Callicoon Creek from New York.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: first, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; and third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth in inches to which the entire drainage area would be covered if all the water flowing from it during that month were conserved and uniformly spread over the area. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches:

MONTHLY DISCHARGE OF SUSQUEHANNA RIVER, BINGHAMTON, N. Y., FOR PERIOD AUG 1, 1901, TO JAN. 31, 1905, AND MARCH 1, 1905, TO DEC. 31, 1906.

[Drainage area 2,400 square miles.]

Month.	Discharge in second feet.				Run-off Depth in inches or drainage area.
	Maximum.	Minimum.	Mean.	Per square mile.	
January	25,900	1,070	6,020	2.51	2.89
February	32,000	1,000	6,390	2.66	2.77
March	60,300	1.600	14,400	6.00	6.92
April	23.800	1.510	8.320	3.47	3.87
May	16.900	420	2,460	1.02	1.18
June	16,300	252	2,900	1.21	1.35
July	30.000	567	3,170	1.32	1.52
August	27.300	399	2.460	1.02	1.18
September	27.300	210	2,460	1.02	1.14
October	48.900	567	4.180	1.74	2.01
November	14,700	567	2.860	1.19	1.33
December	43.200	630	5,670	2.36	2.72
For the period	60.300	210	5,110	2.13	28.88

MONTHLY DISCHARGE OF CHENANGO RIVER, BINGHAMTON, N. Y., FOR PERIOD AUG. 1, 1901, TO DEC. 31, 1904, AND APRIL 1, 1905, TO DEC. 31, 1906.

[Drainage area 1,530 square miles.]

January	14.800	827	3.490	2.28	2.63
February	18,000	804	3,740	2.44	2.54
March	36.000	776	8,580	5.61	6.47
April	13,200	967	4,970	3.25	3.63
May	10.800	314	1.730	1.13	1.30
June	11,900	103	1.940	1.27	1.42
July	17.400	450	2,150	1.40	1.61
August	16,600	208	1,530	1.00	1.15
September	16.800	145	1,460	.954	1.06
October	28.000	355	2.610	1.70	1.96
November	8.970	285	1,890	1.24	1.38
December	27.600	401	3,340	2.18	2.51
For the period	36,000	103	3,120	2.04	27.66

MONTHLY DISCHARGE OF CHENANGO RIVER, CHENANGO, N. Y., FOR PERIODS OCT. 1 TO DEC. 31, 1903; APRIL 1 TO DEC. 31, 1904, AND APRIL 1, 1905, TO DEC. 31, 1908.

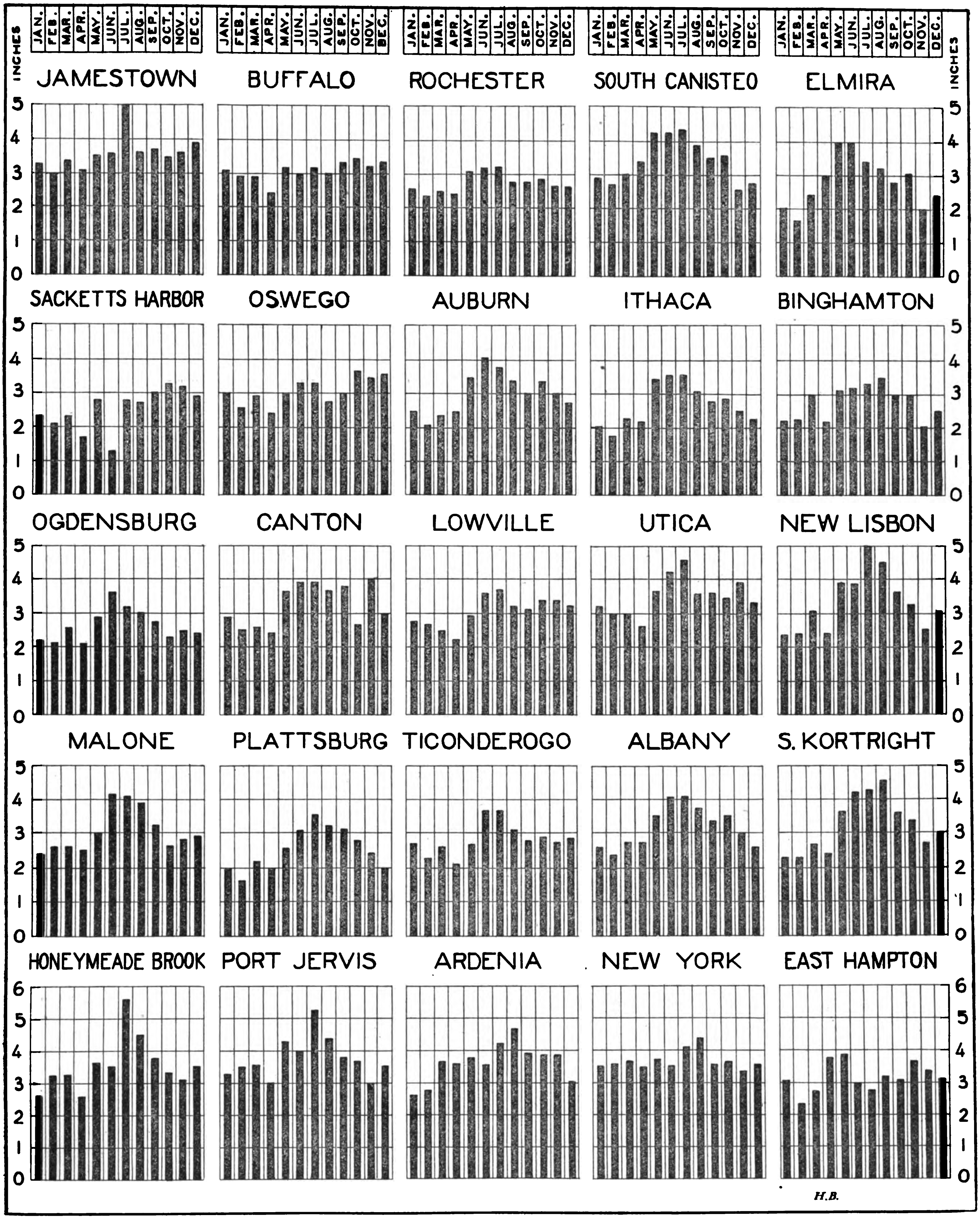
[Drainage area 2,440 square miles.]

January	14,700	615	3,230	1.32	1.52
February	42.900	....	2.190	.898	.94
March	28,400	385	6.410	2.62	3.02
April	20,300	1.230	4.720	1.93	2.15
May	16.700	385	3,340	1.37	1.58
June	35.900	298	2.390	.979	1.09
July	3.480	80	.885	.363	.42
August	2,560	103	.511	.210	.24
September	757	81	.236	.097	.11
October	18.460	100	1,210	.496	.57
November	12.910	152	1.280	.525	.59
December	29,300	100	1,890	.775	.89
For the period	42,900	80	2.360	.955	13.12

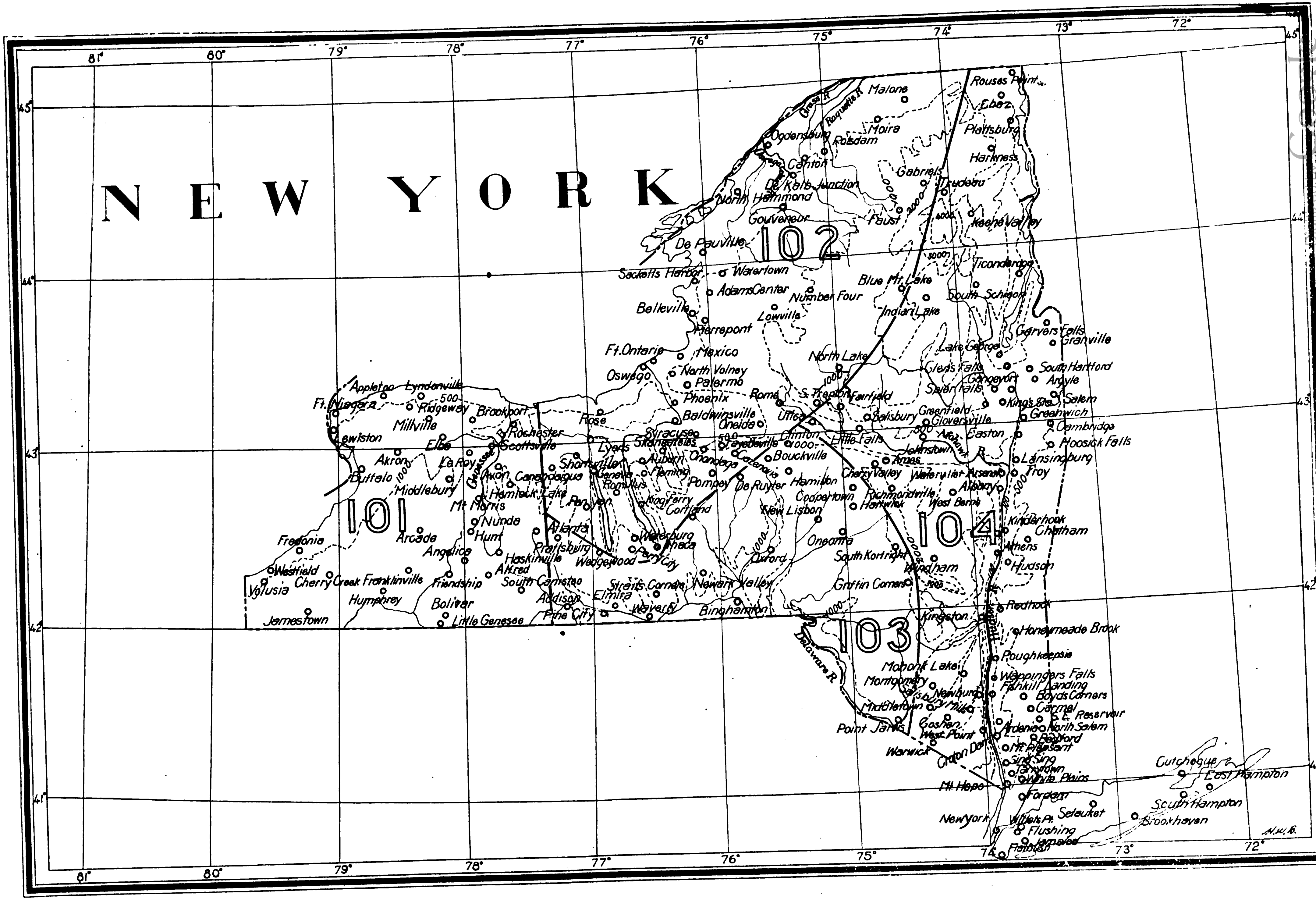
MONTHLY DISCHARGE OF DELAWARE RIVER AT PORT JERVIS, N. Y., FOR PERIOD OCT. 1, 1904, TO DEC. 31, 1908.

[Drainage area 3,250 square miles.]

January	35.600	2,290	5.830	1.79	2.06
February	65.700	....	4.030	1.24	1.29
March	50.900	2.680	12.500	3.85	4.44
April	49.400	4.090	10.800	3.32	3.70
May	26.200	1.920	5.880	1.81	2.09
June	15,800	930	3.600	1.11	1.24
July	6.470	540	1.850	.569	.66
August	5.210	340	1,390	.428	.49
September	13,400	175	2.410	.742	.83
October	17.400	465	4.380	1.35	1.56
November	44.200	1.440	4.860	1.49	1.66
December	62.500	930	6,140	1.89	2.18
For the period	65.700	175	5.310	1.63	22.20



Diagrams showing the comparative monthly distribution of precipitation.


NEW YORK
81° 80° 79° 78° 77° 76° 75° 74° 73° 72°
45° 44° 43° 42° 41°
101
102
103
104
Malone
Rouses Point
Chazy
Plattsburg
Harkness
Moira
Ogdensburg
Potsdam
Canton
Grasse R
Raquette R
Gabriels
Trudeau
De Kalb Junction
North Hammond
Gouverneur
Faust
Keene Valley
De Pauville
Sacketts Harbor
Watertown
Adams Center
Number Four
Blue Mt. Lake
Ticonderoga
South Schroon
Indian Lake
Belleville
Lowville
Pierrepont
Garvers Falls
Granville
Ft. Ontario
Mexico
Lake George
North Lake
Glens Falls
South Hartford
Oswego
North Volney
Palermo
Gansevoort
Argyle
Spier Falls
King's Sta.
Salem
Phoenix
Rome
S. Trenton
Fairfield
Greenfield
Salisbury
Gloversville
Greenwich
Cambridge
Baldwinsville
Oneida
Utica
Clinton
Little Falls
Easton
Hoosick Falls
Mohawk R.
Johnstown
Ames
Lansingburg
Troy
Appleton
Lyndonville
Ft. Niagara
Ridgeway
Brookport
Rochester
Rose
Lewiston
Millville
Elba
Scottsville
Lyons
Syracuse
Skaneateles
Fayetteville
Bouckville
Akron
Buffalo
Le Roy
Genesee R.
Avon
Canandaigua
Shortsville
Geneva
Auburn
Onondaga
Cazenovia
Hamilton
Cherry Valley
Watervliet Arsenal
Albany
Middlebury
Hemlock Lake
Romulus
Fleming
Pompey
De Ruyter
Cooperstown
Richmondville
Hartwick
West Berne
Mt. Morris
Penyan
King Ferry
Cortland
New Lisbon
Nunda
Hunt
Atlanta
Waterburg
Ithaca
Oneonta
Kinderhook
Chatham
Fredonia
Arcade
Angelica
Haskinville
Prattsburg
Wedgewood
Perry City
Oxford
South Kortright
Windham
Athens
Hudson
Westfield
Cherry Creek
Franklinville
Friendship
Alfred
South Canisteo
Straits Corners
Newark Valley
Griffin Corners
Volusia
Humphrey
Bolivar
Addison
Elmira
Waverly
Binghamton
Jamestown
Little Genesee
Pine City
Redhook
Kingston
Honeymeade Brook
Delaware R.
Hudson R.
Poughkeepsie
Mohonk Lake
Wappingers Falls
Montgomery
Fishkill Landing
Newburg
Boyds Corners
Salisbury Mills
Middletown
Carmel
S.E. Reservoir
Goshen
Ardenia
North Salem
Point Jarvis
West Point
Bedford
Warwick
Croton Dam
Mt. Pleasant
Sing Sing
Tarrytown
White Plains
Mt. Hope
Fordham
Cutchogue
East Hampton
Setauket
South Hampton
Brookhaven
New York
Willets Pt.
Flushing
Jamaica
Flatbush
1000
500
2000
3000
4000
N.W.B.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 104.—EASTERN NEW YORK.

Climatological section No. 104 comprises a comparatively narrow strip along the eastern boundary of New York from the Canadian border southward to and including Long Island, and includes the Champlain Valley, which drains northward into the St. Lawrence River and the Hudson, with its tributaries, which flows south and empties into the Atlantic Ocean.

The principal features of these drainage systems are fully described under Hydrographic Data by Mr. R. H. Bolster, Assistant Engineer, U. S. Geological Survey, forming a part of this summary.

For information relative to the methods pursued in the collection of the climatological data published in the accompanying tables, and for a short historical sketch of the meteorological work in New York since 1826, reference is here made to summary for Section No. 101.

Section No. 104, extending through about four and one-half degrees of latitude and including a large part of the Adirondack Mountains of northern New York, the whole of the Catskill range, as well as Long Island and the lowlands lying about the mouth of the Hudson, presents some remarkable contrasts in climatic conditions.

Within this comparatively small area are found three distinct climatic types, corresponding more or less closely to the three grand climatic divisions, represented by marine, continental and mountain climates. The nearest approach to a true maritime climate is found at the eastern end of Long Island, but the dominating influence of the ocean is clearly noticeable in the prevailing conditions over the lowlands of Westchester County and as far north as the ridge that passes northeasterly through Putnam County.

The eastern plateau, which embraces the somewhat elevated section between the Delaware and Mohawk rivers, and includes the Catskill Mountains, possesses many features characteristic of the continental type of climate, while the Adirondack Mountains, rising to a height of from 2,000 to 5,000 feet above mean tide, exhibit climatic features in marked contrast with those of the plateau region and in still greater contrast with the climatic conditions of Long Island and vicinity.

In considering the climate of this section it is, therefore, necessary to treat these divisions separately.

COASTAL REGION.

The climate of the Atlantic coast region is characterized by rather mild winters and not excessively warm summers, comparative freedom from sudden and extreme changes, an abundance of precipitation generally equably distributed throughout the year, and a high percentage of the relative humidity.

The mean annual temperature of the coastal region is about 51°, nearly the same as the mean annual temperature of London, England, and ranges from about 74°, in July, to about 30°, in January and February. The average annual range of the mean temperature is, therefore, about 44°, which, although considerably less than is usually found at points in the continental interior, is still much greater than that of a true maritime climate. This is made clear when it is noted that the mean annual range of temperature of the Bermuda Islands, which possess a true maritime climate, is only 18°, and that of the Azores is only 15°.

The influence of the prevailing westerly winds on the coastal climate is to greatly weaken the effect of the ocean and to give a climate that partakes largely of the interior from which the winds come. This effect of the prevailing westerly winds may be illustrated by comparing the mean annual range of temperature on the east and west coasts of the United States. At San Francisco, where the conditions are mainly influenced by the winds that come from the Pacific Ocean, the mean annual range is only about 10°, while at New York City, which is mostly influenced by the winds that come from the interior, the mean annual range is more than four times as great.

For the coastal region of New York the maximum temperature does not often rise above 95°, although a temperature of 100° has been observed at New York City once in the past 38 years. At Setauket, which is located on the north shore of Long Island about midway between its east and west extremities, a maximum temperature of 98° has been recorded once in 15 years. During the winter season the temperature rarely falls to zero. It has, however, been known to fall to 6° below zero at New York City and to 5° below at Setauket, but such extreme cold is very unusual.

The average annual precipitation for Long Island is very close to 45 inches, and ranges from about 40 inches over the eastern extremity to nearly 47 inches in the central part of the island. A rather remarkable increase in the annual amount of precipitation appears over the northern part of Westchester County, where it amounts to somewhat more than 50 inches annually.

The growing season for Long Island is longer than for any other part of the State, with an average of 211 days between the last killing frost in the spring and the first in the fall.

EASTERN PLATEAU.

The eastern plateau region is not greatly influenced by the ocean and its general climate partakes largely of the prevailing conditions of the continental interior. The mean annual temperature of this region is about 44°, or nearly 7° below that of the coastal region, and ranges from about 68°, in July, to about 20°, in January and February. The extreme temperatures range from 96° to about 24° below zero.

The annual precipitation for this region is considerably less than for the coastal, the average annual amount being about 40 inches, and quite evenly distributed throughout the year.

The average number of days between frosts is 151.

THE ADIRONDACK REGION.

The Adirondack region occupies the elevated area in the northeastern part of the State, lying north of the Mohawk River and extending northeastward to Lake Champlain. Under this general name are included several distinct mountain ranges, all of which trend northeasterly and terminate on the shore of the lake.

According to Mr. George W. Rafter, the Adirondack range proper crosses Herkimer, Essex and Hamilton counties, and terminates near Port Kent on Lake Champlain. It is about 100 miles in length and may be considered the backbone of the Adirondack Mountain group, its ridge line dividing the waters of the St. Lawrence from those of the Hudson River and Lake Champlain. Mount Marcy, rising to a height of 5,430 feet, is the principal peak of this range, while McIntyre, Haystack and Skylight, each over 5,000 feet in height, are also in this chain.

To the eastward and next to the main Adirondack range is the Boquet range, beginning on the south in the vicinity of East Canada Creek, and extending throughout the northwestern part of Hamilton County, and crossing the center of Essex County to Lake Champlain. The highest peak is Mount Dix, with an altitude of 4,915 feet above sea level. Other prominent mountains of the Boquet range are Giant, Noon Mark, Dial, Nippletop, McComb, Sable and Boreas mountains. The third range, known as the Schroon, begins at the valley of the Mohawk, in the eastern part of Fulton County, and crossing Warren and Essex counties, ends at Westport on Lake Champlain. The Schroon River flows along the eastern base of this range.

The fourth range is the Kayaderosseras, which begins in the lowlands north of Saratoga Springs and extends through Warren County to Crown Point. Mount Pharaoh, a high peak near Schroon Lake, is the only important mountain of this range.

The fifth range, known as the Luzerne Mountains, begins in the foothills near Saratoga, crosses the Hudson a little above Glens Falls, and running northeasterly encircles Lake George on the west, ending at Ticonderoga on Lake Champlain. The peaks of this range around Lake George are about 2,000 feet above tidewater.

The average annual temperature of the Adirondack region is about 40°, which is about 10° below that of the region about the mouth of the Hudson River. The day temperatures are comparatively high, especially during the summer months, the average maxima for June, July and August, being 75°, which is only about 5° below the average of the same months for New York City. The nights are decidedly cool, with an average for the summer months of 52°, as compared with 65° for New York City.

Winter sets in early, minimum temperatures as low as 23° having been recorded at Saranac Lake in September, while extreme cold, as indicated by temperatures of 30° to 40° below zero, is not unusual during January and February.

The growing season is short. As a rule frosts do not occur during July and August, but in some particularly exposed localities frosts have been known to occur every month in the year.

The annual precipitation varies considerably in different localities. Over Clinton County and along the west shore of Lake Champlain it amounts to about 30 inches, while in the heart of the mountain district it averages somewhat more than 40 inches.—WILFORD M. WILSON, *Section Director*, *Ithaca*, *N. Y.*

RECORDS AVAILABLE.

List of Short or Fragmentary Records, Not Published, But Available on Application to Local Office, Weather Bureau, Ithaca, N. Y.

SECTION 104 ARRANGED BY COUNTIES.

County and Station.	Length and Character of Record.
Albany:	
Bethlehem Center	October, 1890, to March, 1891; good.
Cedar Hill	August, 1897, to June, 1903; good.
Coeymans	January, 1903, to May, 1907; fair.
Memends	February, 1883, to December, 1887; good.
West Troy or Watervliet Arsenal	1836-1854, March, 1890, to February, 1892; good.
Clinton:	
Clinton Prison	Means for 1880 to 1883; good.
Dannemora	January, 1906, to date; good.
Ellenburg Depot	December, 1898, to August, 1899; good.
West Chazy	November, 1894, to January, 1895; good.
Columbia:	
Canaan Four Corners	September, 1900, to January, 1904; good.
Lebanon Springs	September, 1855, to September, 1887, and April, 1892, to March, 1897; good.
North Germantown	March, 1899, to June, 1901; fair.
Old Chatham	March, 1900, to June, 1905; fragmentary.
Spencertown	October, 1889, to January, 1890; good.
Germantown	1866 to 1868; good.
Dutchess:	
Amenia Seminary	1849. Rainfall not recorded.
Fishkill	1854 and 1855; good.
Pawling	November, 1890, to March, 1891; good.
Essex:	
Adirondack Lodge	February, 1901, to May, 1903; good.
Au Sable Forks	October, 1890, to March, 1891; good.
Beedes	April to November, 1900; good.
Elizabethtown	April, 1897, to June, 1899; fragmentary.
Jay	December, 1899, to March, 1902; good.
Lake Placid	August, 1897, to March, 1900; fragmentary.
Lake Placid Club	January, 1909, to date; good.
Schroon Lake	Means only, 1876-1881; good.
Greene:	
Catskill	July, 1896, to April, 1902; good.
Elka Park	July, 1896, to August, 1896; good.
Greenville	Year, 1826; good.
Hamilton:	
Lake	1856-1858; good.
Lake Pleasant	September, 1900, to January, 1901, and February, 1908, to date; fair.
Nehasane or Keepewa	November, 1907, to date; good.
Morehouseville	January, 1908, to date; good.
Raquette Lake	November, 1907, to date; good.
Speculator	February, 1901, to September, 1902; fair.
Wells	November, 1900, to September, 1906; fragmentary.
Herkimer:	
Honnedaga	June, 1900, to October, 1901; good.
Honnedaga Lake	June, 1900, to October, 1901; good.
Ilion	Year, 1859. Also June, 1889, to December, 1890; good.
Mohawk	
Kings:	
Adelphi Academy or Brooklyn	October, 1889, to May, 1898; fragmentary.
Flatbush	
Manhattan Beach	February, 1895, to July, 1897; good.
Montgomery:	
Amsterdam	September, 1902, to date; good.
Canajoharie	January, 1897, to June, 1904; fair.
Fort Plain	March, 1904, to date; good.
Minaville	1867 to 1871; good.
St. Johnsville	November, 1896, to January, 1901; good.
Nassau:	
Oyster Bay	May, 1905, to date; fragmentary.

RECORDS AVAILABLE.—Continued.

County and Station.	Length and Character of Record.
New York:	
Blackwell's Island	1855 to 1857; good.
Columbia College	January, 1865, to April, 1870; good.
Cooper Union	January, 1871, to April, 1877; good.
Eighty-sixth St. Res	January, 1860, to February, 1872. (Part included in New York.)
Fort Hamilton	....
Fort Porter	April, 1890, to February, 1892; good.
Fort Schuyler	March, 1890, to February, 1892; good.
Fort Wadsworth	March, 1890, to February, 1892; good.
Rutgers Institute	1850-1851; good.
Oneida:	
Whitestown	1834-1840; good.
Orange:	
Mountainville	January, 1883, to August, 1886; good.
Putnam:	
Garrisons	1863-1871; good.
Queens:	
Flushing	April, 1875, to February, 1884, also 1855; good.
Rensselaer:	
Berlin	April, 1903, to December, 1906; good.
Schodack Depot	October, 1890, to March, 1891; good.
South Berlin	January, 1903, to February, 1905; good.
Eagle Mills	September, 1895, to March, 1899; fair.
Saratoga:	
Ballston Lake	February, 1904, to date; good.
Kings Station	March, 1900, to November, 1901; good.
Galway	Parts of 1891-1893; fair.
Saratoga	1856-1859; good.
Saratoga Springs	Included in Greenfield.
Stillwater	June, 1893, to July, 1895; good.
Waterford	1856 to 1859; good.
West Day	1858 and 1859; good.
Schenectady:	
Quaker Street	January, 1890, to April, 1893; good.
Schenectady	1829, 1836, 1837, and November, 1898, to November, 1901; fragmentary.
Schoharie:	
Hyndsville	Parts of 1890-1891, 1894 and 1895; fair.
Middleburg	June, 1889, to October, 1891; good.
Suffolk:	
Brentwood	March, 1891, to May, 1900; fragmentary.
Cold Spring Harbor	October, 1904, to January, 1907; good.
Moriches	1864-1871; good.
Sag Harbor	1854-1858; good.
Wading River	May, 1906, to date; good.
Ulster:	
Brown's Station	April, 1902, to July, 1903; fragmentary.
Glasco	1869-1871; good.
Lake Hill	April, 1899, to November, 1899; good.
Marlborough	Parts of 1890 and 1894; good.
Minnewaski	November, 1890, to September, 1895; good.
Rondout	June, 1889, to October, 1894; good.
Shokan	April to October, 1903; poor.
Warren:	
North Creek	November, 1907, to date; good.
Pottersville	January, 1897, to December, 1872; good.
Queensbury	June, 1889, to February, 1891; fragmentary.
Washington:	
Fort Edward	1857-1859; good.
Westchester:	
David's Island	March, 1890, to February, 1892; good.
Morrisania	1856-1859; good.
New Rochelle	June, 1901, to December, 1901; good.
Peekskill Academy	January, 1890, to October, 1892; fragmentary.
Primrose	Included in Mount Hope.
Scarsdale	January, 1904, to date; good.
Throgg's Neck	1864 and 1866; good.

Precipitation in Eastern New York. Monthly, annual, and average amounts (in inches and hundredths).

LAKE CHAMPLAIN GROUP.

[Figures in bold-face type estimated from surrounding stations.]

CARVERS FALLS, WASHINGTON COUNTY, N. Y.—Elevation, 243 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1898..	......	......	......	2.67	2.98	3.57	1,73	5.35	2.77	4.00	3.39	1.59	.....
1899..	2.21	1.79	5.19	0.96	1.69	1.24	3.77	1.13	6.70	2.02	2.51	2.64	31.85
1900..	4.36	4.50	4.36	1.02	1.79	4.65	3.72	6.23	3.10	2.04	4.41	1.53	41.71
1901..	1.13	0.65	**3.50**	4.10	4.81	3.08	4.38	3.57	2.44	1.17	1.68	5.02	35.53
1902..	0.81	1.40	5.04	3.57	3.37	4.79	3.95	3.48	3.06	4.84	1.24	3.51	39.06
1903..	2.71	3.69	5.74	0.78	0.05	4.29	5.22	3.57	1.04	4.11	1.51	2.41	35.12
1904..	1.85	1.22	2.53	2.93	2.63	4.07	2.93	2.93	5.38	2.88	0.65	1.20	31.20
1905..	1.32	1.19	2.05	2.51	1.83	7.63	5.33	2.20	5.09	1.26	1.73	1.46	33.60
1906..	2.37	2.97	2.50	1.29	3.85	5.70	2.59	3.95	1.63	2.20	2.69	3.38	35.12
1907..	2.13	1.17	2.04	4.26	3.50	3.61	3.75	1.24	8.11	5.34	3.09	4.56	42.80
1908..	1.49	4.58	1.03	2.06	3.54	3.94	1.67	3.13	0.62	2.91	1.49	3.10	29.56
1909..	4.29	5.50	1.70	1.60	3.57	3.11	1.70	2.23	2.98	1.27	1.76	1.40	31.11
Mean	2.24	2.61	3.24	2.31	2.80	4.14	3.40	3.25	3.58	2.84	2.18	2.65	35.24

CHAZY, CLINTON COUNTY, N. Y.—Elevation, 151 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891..	......	......	.....	...	......	1.56	4.83	3.24	1.05	2.13	1.61	2.50	.....
1892..	3.29	1.62	1.93	1.16	3.82	10.42	7.63	8.98	2.13	1.54	2.89	1.38	46.79
1893..	1.08	2.44	0.87	2.57	3.12	3.61	4.16	7.73	1.55	1.57	1.09	3.46	33.25
1894..	3.66	1.40	1.27	0.65	4,76	4.35	4.37	1.12	2.79	3.24	2.03	3.69	33.33
1895..	1.80	1.13	1.18	2.85	3.54	......	......	......	......	......	......	......	.....
1896 1902	......	......	......	......	......	......	......	......	......	... .	......	......	.....
1903..	3.22	2.53	3.73	2.48	0.07	6.54	5.13	4.17	0.58	3.84	1.51	1.50	35.30
1904..	1.55	0.90	1.70	2.75	2.19	3.54	4.58	3.44	5.64	3.65	0.30	1.00	31.24
1905..	1.30	0.35	0.76	0.99	2.89	3.32	9.39	2.43	3.90	2.20	1.58	1.45	30.56
1906..	0.85	1.85	1.35	0.20	2.44	**4.15**	3.28	1.93	3.27	2.74	3.38	1.83	27.27
1907..	1.25	0.62	1.17	1.45	2.99	2.90	4.55	1.40	6.50	2.06	1.08	1.45	27.42
1908..	1.25	1.88	1.25	0.45	3.18	1.15	2.29	3.43	1.39	0.93	0.79	1.40	19.39
1909..	1.46	2.00	0.98	2.80	3.82	0.65	1.00	4.38	2.42	0.50	1.46	0.50	21.97
Mean	1.88	1.52	1.47	1.67	2.98	3.84	4.66	3.84	2.84	2.22	1.61	1.83	30.36

HARKNESS, CLINTON COUNTY, N. Y.—Elevation, 622 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902..	......	......	......	......	3.31	4.08	3.93	2.00	1.77	2.95	1.57	1.46	.....
1903..	1.88	1.75	3.33	2.37	T.	6.19	5.49	2.51	0.34	4.51	0.80	1.91	31.08
1904..	1.48	0.93	0.73	2.78	2.56	1.55	3.12	2.74	4.01	3.60	0.29	1.15	24.94
1905..	1.64	0.24	0.74	1.76	2.07	2.56	7.99	3.39	3.88	1.94	1.33	1.66	29.20
1906..	0.54	1.33	1.38	0.65	2.02	4.42	2.76	2.25	2.11	2.40	2.76	1.63	24.25
1907..	0.99	0.41	1.42	1.29	1.11	4.65	2.95	0.53	6.48	2.96	3.23	2.73	28.75
1908..	1.15	1.35	1.35	1.68	3.53	2.08	2.64	1.23	1.27	1.40	0.69	1.25	19.62
1909..	2.56	3.13	1.91	2.73	4.75	2.02	2.64	2.56	2.79	0.42	1.71	1.01	28.23
Mean	1.46	1.31	1.55	1.89	2.42	3.44	3.94	2.15	2.83	2.52	1.55	1.60	26.66

LAKE GEORGE, WARREN COUNTY, N Y.—Elevation, 350 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	......	......	......	......	......	......	......	......	.....	5.18	1.06	.....
1897..	2.19	2.48	3.97	3.85	4.52	4.90	8.83	5.02	1.23	1.59	6.95	4.75	50.28
1898..	5.36	7.41	1.17	2.96	5.02	3.35	4.64	7.37	3.16	**5.10**	3.54	1.59	50.67
1899..	3.01	2.38	6.02	1.38	1.72	2.27	2.72	0.91	8.23	3.20	1.59	4.25	37.68
1900..	3.90	5.10	5.78	0.94	1.85	3.16	4.00	5.83	0.81	1.86	5.16	2.38	40.77
1901..	2.00	0.58	4.75	4.85	4.57	3.94	4.41	4.85	3.05	1.93	1.60	5.82	42.35
1902..	2.45	2.78	5.92	3.72	3.24	4.65	6.76	2.82	4.39	4.88	1.76	6.01	49.38
1903..	3.95	4.90	6.37	1.69	0.29	8.31	3.86	6.20	1.96	5.19	1.40	3.71	47.83
1904..	4.17	3.00	4.09	3.16	2.47	5.55	3.33	5.00	4.25	3.45	0.75	2.96	42.18
1905..	2.55	2.18	2.40	2.74	1.58	4.77	5.53	3.82	7.07	2.30	2.28	2.87	40.09
1906..	2.44	3.12	4.40	2.68	4.79	4.09	2.85	2.91	1.60	3.01	3.57	4.78	40.24
1907..	2.58	1.28	2.28	5.28	3.19	1.97	3.64	1.23	7.75	4.73	3.72	5.31	42.96
1908..	2.40	7.11	2.07	2.24	4.72	1.66	2.55	3.58	1.38	3.81	1.15	3.09	35.76
1909..	5.07	7.98	4.43	2.83	4.18	3.53	2.13	3.83	3.16	0.91	1.83	2.86	42.74
Mean	3.24	3.87	4.13	2.95	3.24	4.01	4.25	4.11	3.70	3,23	2.89	3.67	43.29

SARANAC LAKE (OR TRUDEAU), ESSEX COUNTY, N. Y.—Elevation, 1,620 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	5.43	3.59	2.96	2.15	2.28	5.85	4.25	2.72	3.69	4.17	2.21	3.12	42.42
1890 1893	......	......	......	......	......	......	......	......	......	......	.....	......	.....
1894..	2.77	1.96	2.04	0.75	4.41	5.06	3.44	1.58	3.58	4.10	2.75	2.27	34.71
1895..	1.84	1.22	1.37	2.30	4.34	3.25	2.46	4.61	3.56	1.68	4.43	3.49	34.55
1896..	1.11	4.28	4.31	1.37	1.98	3.70	4.19	2.78	4.75	1.31	2.80	1.44	34.02
1897..	2.48	1.50	2.70	3.79	3.41	3.75	8.55	2.56	2.75	1.41	4.74	2.22	39.86
1898..	3.39	2.48	1.25	2.56	3.23	4.06	3.16	4.79	4.05	3.50	2.76	1.93	37.16
1899..	2.22	1.53	3.50	0.56	1.15	1.69	2.50	1.85	2.60	2.85	0.79	2.87	24.11
1900..	2.89	2.89	3.15	0.73	2.68	2.46	4.28	5.57	4.51	1.44	4.98	2.85	38.43
1901..	1.72	0.94	2.41	2.85	4.31	4.79	4.10	3.74	3.55	3.09	2.30	1.61	35.41
1902..	1.22	2.91	2.45	3.58	3.93	5.76	3.22	4.28	1.28	2.64	1.93	2.73	35.93
1903..	3.26	2.88	4.85	2.23	0.01	4.49	5.31	3.07	0.83	4.94	1.43	2.83	36.13
1904..	2.18	2.21	1.59	2.59	1.58	3.10	3.18	3.19	4.15	4.90	0.46	1.77	30.90
1905..	2.13	0.53	1.53	2.59	4.02	7.49	5.38	6.15	5.56	3.43	1.69	3.80	44.30
1906..	1.94	1.67	1.92	0.94	3.56	4.16	3.45	2.45	3.57	3.48	1.66	1.93	30.73
1907..	1.16	0.71	1.81	2.24	2.13	3.40	3.71	0.94	6.60	4.39	2.70	3.13	32.92
1908..	2.51	2.07	1.78	2.95	4.09	1.79	2.39	2.40	1.35	**1.70**	2.40	2.32	27.75
1909..	3.23	5.26	......	2.49	......	......	......	......	2.32	......	......	2.14	.....
Mean	2.44	2.27	2.48	2.16	2.94	4.05	3.97	3.29	3.45	3.06	2.50	2.50	35.11

TICONDEROGA, ESSEX COUNTY, N. Y.—Elevation, 344 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897..	......	......	......	......	......	......	......	3.34	1.32	2.19	5.66	4.10	.....
1898..	6.66	4.88	0.82	1.98	2.02	3.08	2.49	4.40	2.54	3.04	2.07	1.43	35.41
1899..	2.51	2.04	4.57	1.98	......	......	......	......	......	......	......	2.79	.....
1900..	4.70	4.40	4.63	0.27	0.90	4.85	1.86	5.39	1.44	1.65	6.17	1.39	37.65
1901..	1.82	0.59	2.72	3.39	4.06	2.08	4.56	2.18	1.94	2.03	1.25	6.17	32.79
1902..	1.37	2.05	3.12	2.00	2.94	3.44	4.86	4.46	4.48	3.19	1.18	1.67	34.76
1903..	3.27	3.17	3.87	1.64	0.52	5.80	5.75	3.41	0.97	3.28	1.21	3.00	35.89
1904..	2.55	1.18	1.87	1.47	2.57	1.86	2.79	2.92	4.52	2.35	0.29	1.09	25.46
1905..	1.25	1.37	1.11	2,42	0,57	6.13	6.74	1.32	4.62	2.69	1.31	1.70	31.23
1906..	1.10	1.79	2.63	1.25	3.32	**4.10**	**2.80**	**3.00**	1.10	2.94	**2.50**	3.27	29.80
1907..	2.28	0.38	**1.92**	2.75	**3.00**	2.39	3.83	1.11	7.01	6.51	7.95	6.50	45.63
1908..	1.86	3.83	1.41	3.82	7.44	3.11	1.97	2.64	0.81	2.40	1.00	1.38	31.67
1909..	3.13	3.50	1.16	2.65	5.77	......	2.20	3.01	2.35	0.93	0.90	1.11	.....
Mean	2.71	2.43	2.49	2.14	3.01	3.68	3.62	3.10	2.76	2.77	2.62	2.74	34.07

KEENE VALLEY, ESSEX COUNTY, N. Y.—Elevation, 1,012 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1879..	1.35	2.44	2.49	2.24	0.82	2.72	2.89	1.99	2.93	0.88	4.66	2.97	28.38
1880..	3.33	2.69	1.75	2.18	2.74	1.65	3.05	2.68	3.65	3.77	2.86	0.77	31.12
1881..	2.08	2.20	4 10	1.01	2.99	2.56	2.25	2.89	3.21	2.42	1.72	3.20	30.63
1882..	1.73	1.99	4.31	0.94	2.46	4.05	1.88	2.62	3.74	0.73	1.43	1.74	27.62
1883..	1.55	2.60	1.83	1.57	6.03	2.73	3.41	1.32	2.54	2.39	1.99	1.14	29.10
1884..	2.88	3.13	3.18	1.47	3.01	1.34	2.15	3.71	1.81	2.32	2.44	3.03	30.47
1885..	4.29	3.22	1.36	2.75	1.44	1.23	3.56	8.05	2.88	5.34	4.19	2.32	40.63
1886..	4.03	1.38	1.70	4.33	2.33	1.85	3.22	4.15	3.47	2.37	6.01	1.51	36.35
1887..	3.05	2.92	2.38	2.00	0.81	3.48	5.76	1.79	0.53	1.20	3.27	2.76	29.95
1888..	2.30	1.52	3.23	1.89	2.92	3.42	2.46	4.33	4.49	2.92	5.06	2.72	37.26
1889..	5.43	1.09	0.68	2.63	3.33	5.77	7.92	1.44	3.04	2.60	3.78	4.50	42.21
1890..	4.42	3.73	1.49	1.82	4.96	2.34	2.22	6.99	4.58	3.08	3.02	2.59	41.24
1891..	4.23	2.71	3.26	2.55	2.82	2.71	2.97	2.55	1.75	2.80	3.40	3.00	34.75
1892..	5.02	1.37	1.41	1.80	4.33	3.59	8.48	5.87	2.71	1.77	4.10	0.61	41.06
1893..	1.85	2.48	0.95	2.37	5.37	1.33	4.78	9.92	2.29	2.21	1.94	3.92	39.41
1894..	2.33	1.61	1.40	1.22	4.44	2.72	1.86	2.10	3.79	4.22	4.05	2.20	31.94
1895..	1.12	0.61	0.96	2.34	2.60	4.21	3.17	8.00	3.75	1.43	5.79	**3.73**	37.71
1896–7	......	......	......	......	......	......	......	......	......		......	......	.....
1898..	7.20	2.80	2.30	2.85	2.20	2.50	4.04	4.25	3.56	3.86	2.53	1.75	39.84
1899..	2.15	1.33	3.38	0.83	1.75	1.39	3.91	1.45	6.54	1.99	**1.60**	**2.75**	29.07
1900..	2.62	3.49	5.42	0.83	2.22	2.25	2.52	4.74	1.91	1.73	6.95	3.01	37.69
1901..	2.13	0.73	2.18	6.75	5.72	4.25	5.68	3.65	2.35	3.16	1.92	4.08	42.60
1902..	2.65	3.50	6.58	4.91	3.49	5.46	5,27	2.72	2.79	5.75	2.12	3.41	48.65
1903..	2.79	4.02	3.79	2.37	0.02	9.25	5.33	3.45	1.30	5.00	0.84	3.07	41.23
1904..	2.24	1.75	2.55	2.86	2.81	1.49	4.26	2.83	4.61	3.14	0.35	0.97	29.86
1905..	2.92	0.62	1.21	2.22	**4.00**	7.15	7.13	5.31	5.82	2.98	1.66	2.55	43.57
1906..	2.09	1.06	2.29	1.39	4.35	4.71	3.02	5.98	2.75	3.73	2.88	4.22	38.47
1907..	**1.20**	0.65	1.59	2.56	1.52	3.68	2.25	1.08	6.29	......	4.99	4.26	.....
1908..	3.24	3.97	1.83	2.49	5.44	1.58	2.21	2.24	0.70	**2.40**	1.84	**2.05**	29.99
1909..	......	4.34	3.08	1.86	4.56	2.10	3.26	2.05	3.01	0.88	2.40	2.10	.....
Mean	2.94	2.27	2.51	2.31	3.15	3.22	3.82	3.80	3.20	2.75	3.10	2.65	35.72

PLATTSBURG, CLINTON COUNTY, N. Y.—Elevation, 183 feet.

1840..	1.10	0.20	5.05	5.25	2.50	2.75	3.00	4.50	6.25	1.10	2.00	2.00	35.70
1841..	2.00	0.81	1.25	......	......	......	1.75	1.50	3.46	0.50	1.47	2.44	.....
1842..	0.47	1.32	2.40	2.26	0.80	2.28	4.09	2.41	3.69	3.34	2.84	3.12	29.02
1843..	1.26	1.46	2.88	1.48	4.88	5.48	5.09	5.22	4.47	4.88	3.08	0.74	40.92
1844..	0.84	0.54	2.44	2.61	5.40	4.41	4.78	6.46	3.35	4.53	2.40	1.52	39.28
1845..	2.84	2.67	2.09	2.02	1.83	2.15	2.09	1.31	3.66	2.26	3.49	1.20	27.61
1846..	1.13	0.74	1.36	0.62	2.91	3.11	......	......	......	......	......	......	.....
1847..	4.10	3.56	7.12	4.09	0.70	7.19	3.75	2.76	6.25	3.57	2.13	2.04	47.26
1848..	2.75	3.69	3.08	1 58	2.44	2.39	2.89	2.07	1.21	4.52	2.71	2.67	32.00
1849..	2.30	2.59	3.69	2.76	3.92	1.64	0.95	3.60	2.46	5.49	2.45	3.17	35.02
1850..	1.10	0.98	0.28	3.78	7.13	2.58	4.12	1.38	4.56	7.64	3.10	7.25	43.90
1851..	2.19	1.99	2.03	1.61	3.61	5.35	3.09	3.22	3.36	4.61	3.30	1.84	36.20
1852..	0.90	1.60	1.77	2.63	0.40	3.49	2.45	2.55	1.51	2.75	2.55	2.42	24.72
1853..	1.00	2.89	3.43	2.68	4.42	1.13	2.43	3.10	7.61	2.47	2.02	0.89	34.07
1854..	5.84	1.98	3.06	2.29	1.46	2.96	0.97	0.39	3.82	3.06	3.04	2.12	30.99
1855..	3.33	1.23	1.89	4.41	0.32	6.80	6.80	3.13	3.57	6.42	2.57	3.01	43.48
1856..	1.25	0.30	1.49	0.93	3.30	2.62	1.59	2.06	3.18	......	1.95	0.79	.....
1857..	1.79	0.68	1.70	5.61	4.97	5.74	8.26	4.10	2.02	8.26	1.95	1.72	46.80
1858..	2.56	1.60	1.66	2.27	2.97	2.16	5.25	2.01	2.71	2.84	1.36	3.17	30.56
1859..	1.69	0.90	1.49	0.89	1.07	1.37	1.11	2.35	4.55	0.69	3.52	2.65	22.28
1860..	0.54	1.19	1.19	......	......	......	......	......	......	......	......	......	.....
1861–8	......	......	......	......	......	......	......	......	......	......	......	......	.....
1869..	1.13	3.55	1.10	1.77	2.67	3.02	1.55	2.12	2.13	7.53	1.18	2.50	30.25
1870..	2.79	2.34	0.58	0.69	0.39	2.81	1.91	1.31	2.54	2.70	1.29	1.26	20.61
1871..	1.13	1.09	3.63	3.98	1.73	1.34	4.65	3.48	1.15	1.95	1.09	2.32	27.54
1872..	0.68	1.42	1.17	1.66	2.37	2.85	4.72	5.86	3.27	3.40	2.16	1.59	31.15
1873..	3.26	0.36	3.68	2.00	1.26	2.01	4.90	2.02	1.95	5.15	3.94	1.86	32.39
1874..	3.69	1.96	1.83	3.60	3.89	2.40	9.18	1.53	4.06	1.24	2.24	1.04	36.66
1875..	2.21	1.16	2.55	1.58	2.99	1.86	3.14	3.35	3.18	3.49	1.92	1.13	28.56
1876..	1.39	2.51	3.25	1.23	0.80	3.04	1.21	0.37	4.06	1.34	0.76	2.01	21.97
1877..	1.71	0.22	1.68	2.08	2.47	1.85	5.07	3.72	2.09	3.68	1.71	0.85	27.13
1878..	1.60	0.66	1.61	2.85	2.47	1.31	3.53	7.00	2.44	2.88	3.01	3.33	32.69
1879..	0.87	1.01	2.02	0.48	0.18	2.53	2.57	2.81	2.03	0.46	2.86	2.88	20.70
1880..	1.75	2.69	1.21	1.27	1.49	2.02	2.00	1.65	2.43	4.54	2.67	0.98	24.70
1881..	2.56	1.12	2.36	0.30	2.93	1.27	2.35	2.54	1.99	1.84	1.50	1.76	22.52
1882..	1.06	1.96	2.70	0.86	1.70	4.78	2.22	2.01	4.72	1.04	0.54	1.69	25.28
1883..	0.90	1.37	1.66	0.68	4.39	4.90	3.40	1.17	2.49	1.81	1.75	0.96	25.48
1884..	1.88	1.84	3.49	1.08	2.29	1.60	1.98	2.19	1.69	2.42	2.03	1.26	23.75
1885..	2.57	1.33	0.30	1.59	1.56	1.48	4.04	2.10	3.22	4.57	4.39	1.91	29.06
1886..	1.15	1.22	1.42	2.06	1.48	4.72	3.77	3.97	2.36	0.76	2.30	0.17	25.38
1887..	1.56	1.66	1.78	0.37	0.40	2.26	2.03	2.20	0.51	1.24	3.14	1.76	18.91
1888..	0.59	0.20	1.95	1.27	3.20	1.88	1.12	5.23	3.76	2.98	3.90	2.36	28.44
1889..	1.75	0.32	0.30	1.70	2.83	4.17	5.62	1.43	4.25	3.34	2.57	2.03	30.31
1890..	2.78	2.40	2.68	1.46	4.40	3.35	4.04	5.82	2.87	2.92	2.27	2.45	37.44
1891..	2.30	1.60	2.65	2.28	1.97	1.49	3.77	3.55	0.93	2.07	1.67	2.88	27.16
1892..	4.30	2.47	1.36	0.97	4.07	7.62	5.21	7.18	1.68	1.12	2.74	1.44	40.16
1893..	0.89	1.54	0.68	2.11	3.26	2.42	3.34	5.76	2.12	0.85	1.28	3.92	28.17
1894..	2.04	1.37	1.91	1.14	4.14	3.52	2.52	0.89	2.79	3.03	2.82	2.55	28.72
1895..	2.07	0.70	0.74	2.79	1.97	3.85	2.15	4.30	2.85	0.45	5.13	2.40	29.40
1896..	2.05	6.21	4.95	0.85	1.85	2.80	5.00	5.95	2.85	1.68	2.19	0.87	37.25
1897..	2.98	1.43	2.26	2.67	3.41	3.90	7.19	3.93	1.90	0.52	3.58	1.96	35.23
1898..	5.26	3.19	1.29	1.95	1.70	2.62	2.09	5.82	3.37	3.70	3.08	2.07	36.14
1899..	2.70	**1.85**	2.65	1.00	2.52	1.85	3.31	5.28	5.71	2.15	2.04	1.29	32.35
1900..	3.46	3.16	4.28	0.83	2.38	4.21	1.79	3.24	2.14	1.00	8.82	2.83	38.14
1901..	1.75	1.22	1.85	2.82	4.38	3.71	3.18	4.48	3.80	2.00	2.00	1.50	32.69
1902..	0.90	1.60	**3.20**	1.80	4.10	3.74	4.30	2.70	1.80	2.95	0.87	2.50	30.46
1903..	2.50	1.30	4.15	1.70	0.00	4.45	4.40	4.40	0.10	2.16	0.84	2.90	28.90
1904..	2.74	0.50	0.20	2.56	2.25	2.22	3.30	4.73	**4.50**	2.86	T.	0.20	26.06
1905..	1.99	1.00	2.73	1.49	2.16	3.12	8.27	5.07	4.48	2.30	1.78	1.69	36.08
1906..	1.10	1.15	2.25	1.30	2.37	4.03	5.46	1.53	2.34	2.18	2.45	2.19	28.35
1907..	1.10	1.03	1.65	2.24	2.95	3.45	2.50	0.90	6.95	2.70	1.23	1.10	27.80
1908..	1.67	1.00	2.00	1.26	2.00	1.60	2.20	1.94	1.12	1.39	1.09	1.55	18.82
1909..	2.82	2.84	2.89	......	......	......	......	2.19	3.22	0.62	1.45	1.76	.....
Mean	2.01	1.62	2.23	1.97	2.55	3.11	3.55	3.20	3.09	2.81	2.37	2.01	30.52

UPPER HUDSON GROUP.

[Figures in bold-face type estimated from surrounding stations.]

ALBANY, ALBANY COUNTY, N. Y.—Elevation, 97 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1826..	2.43	1.36	3.81	1.77	0.76	6.22	5.53	2.46	3.58	2.37	1.56	1.27	33.12
1827..	5.40	3.07	2.38	4.66	3.43	3.75	5.43	4.69	5.67	4.65	2.76	3.91	49.80
1828..	2.25	2.53	1.94	2.52	4.48	2.87	5.40	0.88	8.08	1.56	4.91	0.24	37.66
1829..	4.56	3.26	2.78	4.77	2.68	3.90	3.22	1.46	2.73	2.41	3.86	2.44	38.07
1830..	1.76	1.41	4.86	2.37	4.63	7.58	2.37	1.55	0.93	3.15	7.29	3.95	41.85
1831..	1.88	4.17	2.38	4.59	2.88	4.04	4.32	3.25	3.93	4.82	1.71	1.57	39.54
1832..	4.21	3.12	2.59	2.90	2.69	3.57	4.28	7.51	2.76	4.20	3.28	3.34	44.45
1833..	2.63	2.56	1.63	1.33	8.47	2.36	4.48	3.36	3.14	7.50	2.43	1.86	41.75
1834..	1.35	2.04	1.60	2.35	3.70	2.32	5.25	2.77	2.34	3.77	1.37	3.59	32.45
1835..	4.64	1.79	2.60	4.57	2.71	6.48	5.39	5.34	1.28	2.22	2.26	1.19	40.47
1836..	7.30	4.39	1.70	2.30	3.86	5.67	2.43	2.25	3.49	3.99	3.31	3.91	44.60
1837..	2.25	2.77	3.47	1.63	7.34	5.06	4.38	3.96	1.95	3.59	2.14	2.63	41.17
1838..	2.25	2.20	2.09	1.53	7.45	7.60	1.72	4.91	4.46	3.32	3.55	0.95	42.03
1839..	2.17	1.57	1.52	4.75	3.83	5.12	5.77	1.24	2.75	1.35	2.95	5.09	38.11
1840..	2.16	2.44	3.99	5.23	2.28	3.47	3.40	4.77	5.76	4.80	3.13	2.94	44.37
1841..	4.19	2.20	3.15	3.75	2.24	2.10	1.56	4.27	5.65	1.34	3.34	4.18	37.97
1842..	1.15	3.21	2.69	4.90	1.44	4.44	3.42	4.15	6.40	4.22	4.76	5.21	45.99
1843..	2.13	3.21	7.37	4.25	2.07	5.54	4.42	6.05	2.19	5.72	3.04	2.36	48.35
1844..	1.89	1.61	2.82	0.92	5.94	4.60	3.29	2.58	2.23	3.61	2.47	3.04	35.00
1845..	3.92	2.94	3.75	2.38	3.92	3.42	2.51	2.42	3.87	2.56	4.42	3.33	39.44
1846..	3.03	3.72	3.34	0.74	3.43	3.84	5.58	2.07	2.22	3.53	5.37	2.96	39.83
1847..	2.54	3.80	4.39	2.79	2.25	5.06	5.47	1.94	3.56	3.08	2.19	4.31	41.38
1848..	2.07	2.37	2.78	1.08	8.11	4.72	7.92	3.79	3.22	4.31	2.61	5.24	48.22
1849..	0.76	1.25	2.86	0.75	5.40	4.45	0.70	4.83	1.06	8.04	4.51	2.11	36.72
1850..	2.81	3.20	1.96	3.58	5.78	5.95	8.57	2.50	6.56	4.31	2.20	4.41	51.83
1851..	0.78	4.38	0.94	4.14	2.61	4.57	3.48	2.17	1.27	2.93	5.00	2.29	34.56
1852..	2.06	1.36	3.13	3.85	2.68	1.74	3.37	2.60	1.59	2.63	4.20	2.80	32.01
1853..	2.09	3.68	2.35	3.80	7.16	3.48	3.31	5.12	7.67	2.65	3.33	1.15	45.79
1854..	2.62	2.95	2.43	6.82	1.79	2.96	3.35	0.62	3.87	1.85	3.00	1.84	34.10
1855..	3.29	1.09	0.54	2.65	1.83	6.84	3.95	3.75	2.52	8.93	3.27	3.82	42.48
1856..	1.10	0.36	1.83	1.48	5.94	3.62	1.33	10.14	4.89	2.35	2.56	3.50	39.10
1857..	2.08	2.18	1.25	7.00	4.45	4.91	5.45	3.74	1.53	4.31	1.92	3.04	41.86
1858..	2.32	1.15	1.99	2.42	3.49	3.31	6.94	2.90	2.44	1.76	3.02	2.32	34.06
1859..	1.90	1.94	1.79	2.72	1.74	5.21	3.17	3.19	4.72	1.30	2.19	2.14	32.01
1860..	0.08	1.50	0.60	1.18	1.68	3.48	4.55	6.09	5.17	2.32	3.43	2.17	32.25
1861..	3.49	2.28	4.11	0.86	3.50	1.46	6.04	4.15	3.14	3.23	2.29	1.50	36.05
1862..	5.24	2.06	3.05	1.96	1.16	8.70	3.62	2.84	1.08	3.62	3.16	1.33	37.82
1863..	4.81	2.62	3.65	1.48	4.76	1.37	7.83	3.60	1.76	2.57	5.12	3.64	43.21
1864..	1.49	0.75	2.21	2.71	2.57	0.80	1.48	4.91	2.14	2.55	2.88	3.45	27.94
1865..	2.46	1.94	4.48	2.48	5.39	3.04	3.70	1.08	2.78	4.33	2.72	2.04	36.44
1866..	1.11	2.49	1.32	1.46	2.17	4.51	4.18	2.73	5.65	1.87	3.22	3.56	34.27
1867..	1.55	2.48	2.43	2.68	6.28	4.57	3.18	7.28	1.56	3.69	1.31	1.03	38.04
1868..	3.15	0.68	1.82	4.01	7.03	3.64	1.61	3.62	7.11	1.91	5.45	1.85	41.88
1869..	3.28	3.23	2.49	2.19	4.57	1.39	2 89	2.89	3.35	13.48	1.56	2.88	44.20
1870..	5.38	5.19	3.84	2.70	1.78	7.48	7.19	8.47	5.02	4.05	3.06	1.65	55.81
1871..	2.30	2.00	7.29	3.79	4.97	7.25	9.37	10.59	0.85	3.34	3.38	1.65	56.78
1872..	0.78	1.74	2.70	1.81	4.79	4.68	5.60	4.84	2.55	4.68	2.77	2.18	39.12
1873..	3.32	2.11	3.65	1.99	1.98	0.99	5.97	2.27	4.78	5.57	3.75	3.03	39.41
1874..	3.61	2.90	1.97	4.97	2.32	4.71	6.78	1.94	4.01	1.77	2.19	0.76	37.93
1875..	2.14	1.65	3.27	3.63	2.57	3.98	2.46	6.55	2.63	5.97	2.29	1.11	38.25
1876..	1.57	4.09	4.28	3.51	2.96	4.40	4.97	0.53	5.17	1.64	2.65	2.42	38.19
1877..	1.95	0.36	3.33	1.42	2.77	4.60	4.00	4.57	1.82	7.86	2.70	0.71	36.09
1878..	4.45	4.12	2.18	3.99	3.65	4.54	5.52	3.76	3.20	3.37	4.43	6.16	49.37
1879..	2.54	2.80	3.79	3.17	0,89	4.62	5.10	4.25	3 47	1.24	2.56	4.23	38.66
1880..	2.96	2.67	2.17	2.75	3.35	2.21	3.78	2.84	2.86	2.45	2.49	2.01	32.54
1881..	2,86	2.50	3.80	1.34	3.90	3.76	2.22	2.07	2.38	3.19	3.44	4.88	36.34
1882..	2.64	3.31	1.79	1.27	4.15	3.98	3.97	1.38	7.79	0.27	0.97	2.24	33.76
1883..	2.43	3.00	1.77	2.65	3.20	6.30	5.96	3.69	3.19	3.49	1.14	2.55	39.37
1884..	2.98	3.85	4.00	2.09	2.79	1.80	5.04	5.27	1.80	2.64	3.44	3.20	38.90
1885..	3.09	1.38	0.62	2.89	1.92	1.98	1.98	7.58	2.00	5.54	3.90	1.51	34.39
1886..	3.66	1.40	2.73	3.67	3.40	3.19	2.56	0.87	2.51	2.43	5.40	2.19	34.01
1887..	3.02	2.86	2.90	2.49	2.27	2.99	4.61	4.61	1.94	2.22	4.36	5.43	39.70
1888..	3.04	2.07	5.62	1.95	2.98	3.18	2.52	4.74	4.68	6.10	4.48	3.30	44.66
1889..	2.82	1.81	1.76	1.25	3.32	6.43	4.19	3.63	3.68	3.48	5.00	2.14	39.51
1890..	2.28	2.52	3.72	1.64	5.19	2.72	2.37	5.66	8.91	5.76	1.18	2.94	44.89
1891..	6.12	4.14	3.12	2.27	1.69	2.65	6.11	5.88	1.94	2.13	2.40	3.23	41.68
1892..	4.08	2.13	1.64	0.56	5.30	4.41	4.22	6.70	2.08	0.60	2.29	0.82	34.83
1893..	1.31	4.63	2.00	2.10	5.08	2.92	1.82	7.21	3.20	1.67	0.91	2.54	35.39
1894..	2.54	2.61	0.85	2.02	4.64	3.29	2.96	2.26	4.18	4.62	1.96	3.18	35.11
1895..	1.65	1.63	1.31	3.09	1.72	1.72	4.02	3.14	1.80	2.35	4.78	2.59	29.80
1896..	0.98	4.03	4.66	0.98	1.55	2.49	3.57	2.25	3.31	1.53	1.80	0.73	27.88
1897..	1.62	2.05	1.85	3.12	4.69	4.45	6.67	4.43	1.87	1.01	4.65	4.38	40.79
1898..	2.96	3.57	1.08	2.63	4.07	5.58	1.07	6.67	1.61	4.29	4.22	1.02	38.77
1899..	2.50	2.92	3.97	1.03	2.23	1.61	2.69	1.77	6.33	0.85	1.47	1.55	28.92
1900..	2.33	2.84	4.02	1.31	1.36	3.54	3.41	2.83	0.74	1.83	3.95	1.80	30.56
1901..	1.59	0.56	4.14	4.66	4.79	3.14	4.26	4.51	2.96	2.48	2.02	5.42	40.53
1902..	0.67	3.04	3.24	2.33	1.91	3.91	5.37	3.98	4.15	2.80	0.95	5.13	37.48
1903..	1.83	2.05	3.55	0.79	0.15	6.44	3.51	5.14	1.30	6.09	1.65	1.59	34.09
1904..	2.51	1.17	1.94	2.87	2.16	5.48	2.96	2.78	3.88	3.09	0.64	1.78	31.26
1905..	2.66	0.80	2.43	2.12	0.96	3.58	2.00	3.83	3.37	2.38	1.49	1.36	26.98
1906..	0.97	2.09	2.54	2.20	3.00	5.80	3.91	2.49	1.57	2.62	2.46	1.96	32.51
1907..	1.71	1.15	0.87	2.33	3.21	3.29	4.14	0.74	5.81	3.71	4.15	2.52	33.63
1908..	1.36	2.77	1.43	2.62	4.26	2.32	5.33	3.63	0.64	2.07	0.40	1.58	28.41
1909..	3.00	4.00	2.11	2.12	2.72	2.74	1.74	2.42	2.88	0.83	1.04	2.36	27.96
Mean	2.61	2.47	2.75	2.67	3.50	4.03	4.12	3.82	3.37	3.41	2.97	2.67	38.39

HOOSICK FALLS, RENSSELAER COUNTY, N. Y.—Elevation, 410 feet.

1903..	......	......	......	0.51	0.30	7.28	2.53	6.08	1.56	4.08	2.14	1.73	.....
1904..	1.94	1.48	0.88	3.24	2.78	5.70	4.66	3.28	6.54	3.61	1.12	1.96	37.19
1905..	2.96	0.80	3.06	1.96	2.49	5.51	5.97	6.67	4.71	2.55	2.51	2.58	41.77
1906..	1.43	3.20	3.15	2.48	6.08	7.18	3.91	2.90	3.10	3.02	2.00	1.62	40.07
1907..	2.77	0.95	1.68	2.68	2.81	4.83	8.36	2.12	6.14	5.26	2.63	3.16	43.39
1908..	1.49	2.04	3.19	3.26	4.56	2.19	3.36	5.59	0.63	1.20	1.23	1.56	30.30
1909..	4.51	4.73	2.55	2.61	3.00	3.40	2.05	4.30	4.10	1.43	1.64	2.39	36.71
Mean	2.52	2.20	2.42	2.39	3.15	5.16	4.71	4.72	3.83	3.02	1.90	2.14	38.16

ARGYLE, WASHINGTON COUNTY, N. Y.—Elevation, 290 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1873..	......	......	......	......	......	......	......	......	......	......	......	1.18	.....
1874..	4.60	1.85	1.45	0.70	3.10	3.56	5.97	1.00	3.60	1.48	2.50	1.28	31.09
1875..	......	2.35	1.10	1.95	3.00	3.95	3.33	4.23	2.05	5.48	3.22	1.35	.....
1876..	2.63	4.10	4.15	1.65	2.70	1.33	3.77	1.30	4.25	0.59	1.30	2.48	30.25
1877..	1.81	0.21	3.18	1.67	2.02	3.47	5.03	2.32	1.69	5.48	4.82	0.70	32.40
1878..	3.05	1.95	1.75	3.60	2.18	2.71	3.32	3.92	1.23	3.21	3.17	4.84	34.93
1879..	2.09	2.67	3.42	2.51	0.88	6.47	3.17	2.99	4.60	1.15	3.65	3.80	37.40
1880..	4.11	1.60	2.25	2.78	3.66	3.29	4.51	2.28	3.20	2.38	6.15	1.93	38.14
1881..	2.27	3.39	1.83	0.43	3.67	1.62	2.66	0.35	3.29	3.58	2.62	6.25	31.96
1882..	2.86	.....	......	......	......	......	......	......	......	......	......	......	.....
Mean	2.93	2.26	2.39	1.91	2.65	3.30	3.97	2.30	2.99	2.92	3.43	2.65	33.70

CAMBRIDGE (WASHINGTON ACADEMY), WASHINGTON COUNTY, N. Y.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1827..	6.43	2.97	2.61	7.24	3.68	4.49	5.01	4.02	3.66	4.72	2.93	4.25	52.01
1828..	2.49	2.00	1.30	1.77	4.25	5.36	4.91	5.54	6.33	2.47	6.83	0.43	43.68
1829..	4.10	2.25	2.40	4.85	3.77	4.97	2.50	0.81	3.30	3.03	3.94	3.12	39.04
1830..	1.90	2.00	2.29	1.24	1.86	5.15	3.66	1.20	3.50	3.35	3.35	5.60	35.10
1831..	1.90	2.65	3.60	3.20	2.30	3.80	5.79	4.72	4.22	4.22	3.95	2.50	42.85
1832..	4.17	4.16	3.67	4.00	3.30	1.70	4.35	6.83	3.32	4.22	4.22	2.51	46.45
1833..	1.94	1.93	2.09	1.35	9.67	3.79	4.36	6.74	2.79	8.35	3.13	1.17	47.31
1834..	1.41	1.70	2.43	2.58	2.56	2.74	2.68	1.37	3.47	4.21	2.05	1.98	29.18
1835..	4.25	2.15	2.20	1.95	2.65	6.25	4.48	5.30	1.10	2.67	2.00	0.92	35.92
1836..	6.88	4.15	0.96	2.08	2.65	3.77	2.36	1.66	2.44	3.10	2.48	1.52	34.05
1837..	2.70	3.63	2.30	2.90	4.50	2.80	2.80	2.53	1.15	2.28	1.80	2.18	31.57
1838..	3.05	2.55	0.75	0.98	4.04	8.78	2.46	8.62	4.10	3.15	3.58	2.10	44.16
1839..	2.47	1.88	0.95	9.49	2.17	7.02	5.48	2.31	3.17	1.10	2.48	1.55	40.07
Mean	3.36	2.62	2.12	3.36	3.65	4.66	3.91	3.97	3.27	3.61	3.29	2.29	40.11

EASTON, WASHINGTON COUNTY, N. Y.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890..	......	......	......	......	......	......	......	5.94	6.79	5.65	2.30	3.49	.....
1891..	4.65	4.18	2.12	2.30	2.40	2.65	3.40	3.11	1.07	2.49	3.14	4.82	36.33
1892..	3.81	2.02	1.79	0.82	6.85	5.57	4.34	5.32	2.32	1.71	2.50	0.74	37.79
1893..	1.10	4.56	1.91	3.11	3.89	3.68	5.45	12.48	5.08	2.45	1.16	**2.60**	47.47
1894..	......	......	......	......	......	......	......	......	......	......	......	1.99	.....
1895..	1.43	0.99	......	......	......	......	......	......	......	......	4.93	2.01	.....
1896..	0.75	4.61	4.52	**1.06**	**1.54**	**2.70**	5.76	3.78	5.30	3.17	4.30	1.20	38.68
1897..	2.51	1.43	3.80	**3.32**	**4.25**	**4.50**	7.09	**5.00**	1.82	1.34	5.74	5.08	45.88
1898..	4.02	2.98	2.38	2.85	**3.60**	**3.15**	**1.30**	**6.70**	**3.90**	8.94	4.04	1.24	45.10
1899..	1.82	3.15	6.33	**1.15**	**2.40**	**1.95**	3.70	1.76	5.88	1.44	2.43	3.81	35.82
1900..	4.72	4.94	4.44	1.38	2.71	2.02	2.41	5.08	1.63	3.27	3.86	**1.85**	38.31
1901..	**2.00**	1.22	3.93	5.97	6.24	2.07	6.38	4.29	4.42	2.59	1.99	4.52	45.62
1902..	2.35	2.32	3.38	**1.98**	**2.76**	4.00	7.77	4.35	3.10	3.92	1.20	4.23	41.36
1903..	2.91	2.84	4.75	1.45	0.45	7.18	3.35	5.97	1.75	5.52	1.70	2.08	39.95
1904..	2.45	2.19	2.52	2.00	3.58	6.54	5.54	3.78	5.34	5.43	0.86	1.62	41.85
1905..	1.81	1.24	**2.05**	**2.38**	1.27	4.75	4.43	3.83	4.43	2.85	**2.49**	3.64	35.17
1906..	1.85	2.76	2.43	1.84	7.18	3.42	3.90	5.24	2.09	3.38	1.02	2.28	39.39
1907..	1.42	......	1.28	3.95	4.06	3.15	4.36	2.42	11.22	4.81	3.27	4.65	.....
1908..	1.62	2.18	1.44	2.89	5.85	**2.80**	2.18	**3.80**	0.87	2.99	0.56	1.50	28.68
1909..	4.74	5.13	3.01	2.37	4.15	3.93	1.77	3.74	4.61	1.00	......	......	.....
Mean	2.55	2.71	3.06	2.40	3.83	3.77	4.30	4.81	3.98	3.50	2.64	2.81	40.36

GRANVILLE ACADEMY, WASHINGTON COUNTY, N. Y.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1835..	2.99	1.08	1.20	3.36	2.84	4.78	3.18	5.02	1.53	1.79	1.96	1.17	30.90
1836..	2.82	3.52	0.65	2.57	3.69	1.90	0.63	1.72	1.30	3.63	2.45	3.90	28.78
1837..	......	.....	......	......	......	......	......	......	......	......	......	......	.....
1838..	1.33	0.59	0.39	0.64	4.33	3.46	2.30	4.33	2.48	2.89	3.36	2.55	18.65
1839..	1.79	1.35	1.66	2.08	2.96	4.73	4.13	1.50	2.30	1.45	2.01	1.98	27.94
1840..	2.10	1.60	1.71	2.05	3.65	4.29	1.68	3.43	2.50	3.79	2.18	1.30	30.28
1841..	1.98	1.26	2.30	4.70	2.68	1.15	1.90	1.42	2.54	0.70	1.25	1.98	23.86
1842..	0.64	1.07	2.48	3.29	2.80	3.25	3.80	1.91	3.53	1.81	3.70	1.76	30.04
1843..	0,45	1.17	3.66	2.36	2.24	1.86	4.94	2.91	1.63	1.16	1.86	1.67	25.91
1844..	2.46	1.03	1.68	1.06	4.06	2.08	2.65	2.10	4.93	4.90	1.96	1.14	30.05
1845..	3.30	1.32	1.18	3.18	4.19	4.23	3.13	3.42	4.45	2.51	7.54	1.78	40.23
1846..	2.36	1.62	1.65	1.03	3.45	3.27	3.59	0.63	3.58	3.00	4.07	2.83	31.08
1847..	3.03	2.32	1.53	1.47	2.94	3.36	6.27	4.22	3.80	5.04	3.14	6.15	43.27
1848..	3.09	1.94	2.23	1.01	5.21	4.36	12.52	3.57	1.74	2.74	2.15	5.21	45.77
1849..	0.80	1.08	2.04	1.02	3.53	2.21	1.01	5.44	1.13	5.22	2.63	2.85	28.96
Mean	2.08	1.50	1.74	2.13	3.47	3.21	3.70	2.97	2.67	2.90	2.88	2.59	31.84

*GREENFIELD CENTER, SARATOGA COUNTY, N. Y.—Elevation, 600 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1898..	**6.66**	5.10	1.78	2.72	4.49	3.08	2.30	6.39	3.05	5.28	4.20	1.91	46.96
1899..	2.74	2.37	5.60	**1.40**	2.15	1.73	3.65	2.20	8.82	2.23	2.27	3.16	38.32
1900..	3.82	3.57	4.67	1.34	2.03	2.16	2.16	4.00	0.78	2.00	5.16	2.46	34.15
1901..	2.01	0.61	3.80	5.90	4.97	2.55	4.12	4.73	4.39	1.10	1.56	3.10	38.84
1902..	1.62	3.86	4.23	2.52	2.78	3.73	7.28	3.63	4.43	4.78	1.34	4.51	44.71
1903..	4.26	5.12	**6.15**	**1.00**	0.44	7.92	4.20	7.42	1.50	4.16	1.99	2.17	46.33
1904..	3.90	2.37	2.42	4.12	2.10	2.69	7.04	5.37	5.20	3.46	0.40	3.05	42.12
1905..	4.55	2.20	2.87	2.85	1.27	5.04	3.75	3.49	7.02	2.70	3.29	2.72	41.75
1906..	2.30	2.76	4.50	1.77	2.82	6.30	3.81	2.77	3.05	3.68	1.90	5.00	40.66
1907..	4.97	0.99	2.60	4.10	4.42	3.81	3.65	1.51	8.62	4.40	3.72	5.05	47.84
1908..	2.60	5.25	3.03	3.43	5.30	1.63	2.35	4.32	1.37	3.45	1.27	1.99	35.99
1909..	4.70	5.77	4.31	4.21	5.26	2.36	3.07	2.20	3.78	0.96	2.40	1.65	40.67
Mean	3.68	3.33	3.83	2.95	3.17	3.58	3.95	4.00	4.33	3.18	2.46	3.06	41.52

*Record from January, 1898, to March, 1903, made at Saratoga Springs.

GLENS FALLS, WARREN COUNTY, N. Y.—Elevation, 340 feet

Year.	January.	February.	March.	April.	May.	June	July.	August.	September	October.	November.	December.	Annual.
1850..	......	......	......	......	......	......	......	1.86	4.24	3.96	2.30	......	.....
1851..	......	1.35	......	0.84	......	2.63	5.64	......	......	......	......	......	.....
1852 1890	......	......	......	......	......	......	......	......	......	......	......	......	.....
1891..	......	......	......	......	......	......	......	......	......	......	......	4.34	.....
1892..	5.79	1.94	2.50	0.73	6.07	5.38	**5.20**	**7.40**	2.73	1.79	3.15	1.01	43.69
1893..	2.17	5.50	1.90	......	......	......	......	......	3.87	......	......	......	.....
1894..	**2.75**	......	1.60	**2.00**	3.92	3.26	1.71	2.43	3.71	4.59	3.25	3.78	.....
1895..	2.52	1.47	2.05	6.09	1.51	2.87	2.85	4.98	2.18	1.17	4.82	3.73	36.24
1896..	1.08	5.41	6.52	1.20	1.53	3.01	4.53	2.80	4.81	3.65	5.55	1.29	41.38
1897..	2.37	1.86	4.32	3.61	3.81	6.21	8.82	5.42	1.19	1.52	10.02	4.71	53.86
1898..	5.03	3.83	0.79	**2.78**	**4.50**	**3.22**	1.64	7.02	3.42	5.28	3.59	**1.05**	42.75
1899..	2.54	2.62	5.72	1.44	2.37	1.38	2.86	1.95	7.10	1.67	1.87	3.93	35.45
1900..	4.25	4.38	5.17	0.60	1.83	3.95	3.66	6.03	0.94	1.61	5.27	2.04	39.73
1901..	1.93	0.41	3.32	3.77	3.05	2.59	4.39	4.70	2.78	1.05	1.29	5.82	35.10
1902..	1.56	2.03	6.47	3.24	2.12	4.30	6.43	1.55	3.85	4.44	0.89	5.83	42.71
1903..	3.53	4.14	6.49	1.27	0.27	8.97	3.09	5.06	1.53	4.66	1.75	2.55	43.31
1904..	3.55	2.27	3.01	3.38	2.17	4.62	2.39	4.06	4.96	3.33	0.62	2.03	36.39
1905..	2.66	2.08	2.04	2.17	1.88	5.67	5.00	3.02	6.30	1.60	2.49	2.44	37.35
1906..	1.99	3.26	3.83	2.70	5.83	3.40	3.94	3.33	2.62	3.39	2.87	4.51	41.67
1907..	2.93	1.43	1.98	3.04	3.57	2.70	2.39	1.49	7.61	5.31	3.16	5.18	40.79
1908..	2.07	5.73	2.32	2.85	4.73	2.98	3.85	2.69	1.34	3.21	1.05	2.96	35.78
1909..	3.68	6.35	2.75	2.96	5.47	2.52	1.86	2.86	3.47	0.92	1.75	2.61	37.20
Mean	2.91	2.95	3.49	2.48	3.21	3.87	3.90	3.81	3.61	2.95	3.09	3.36	39.63

GREENWICH, WASHINGTON COUNTY, N. Y.—Elevation, 425 feet.

Year.	January.	February.	March.	April.	May.	June	July.	August.	September	October.	November.	December.	Annual.
1897..	......	......	......	......	......	......	......	......	1.55	1.73	5.79	4.59	.....
1898..	5.22	2.83	1.57	3.07	3.48	2.86	1.52	6.81	5.11	4.75	3.53	1.83	42.58
1899..	2.72	1.76	6.13	1.31	2.48	2.08	2.30	1.37	5.89	1.46	2.35	2.86	32.71
1900..	3.99	3.78	3.67	1.20	3.11	2.39	2.88	4.55	2.39	2.31	4.56	1.88	36.71
1901..	2.33	0.49	5.00	3.93	4.86	1.84	5.67	4.81	2.96	2.25	1.87	4.48	40.49
1902..	1.29	1.40	5.95	1.88	3.10	3.02	6.67	2.85	3.00	3.90	1.24	4.59	38.89
1903..	2.15	3.59	5.86	0.95	0.57	5.97	2.57	6.33	1.25	4.14	1.81	1.88	37.07
1904..	1.76	1.40	2.11	2.37	2.32	2.75	4.87	3.31	4.90	3.73	0.73	2.81	33.06
1905..	2.38	1.40	1.97	2.42	1.49	4.73	5.78	2.98	5.35	1.72	2.50	2.85	35.57
1906..	1.59	2.60	3.91	2.90	6.13	4.07	2.99	1.84	2.40	3.43	2.37	2.77	37.00
1907..	2.00	1.07	1.34	3.21	3.95	4.22	2.17	1.79	8.19	3.40	1.46	2.12	34.92
1908..	1.32	3.16	2.33	3.35	5.06	2.75	2.21	3.71	......	......	......	......	.....
1909..	......	......	......	......	......	2.72	1.57	2.87	2.64	0.56	1.45	1.65	.....
Mean	2.43	2.13	3.62	2.42	3.32	3.28	3.43	3.60	3.80	2.78	2.47	2.86	36.14

LANSINGBURG ACADEMY, RENSSELAER COUNTY, N. Y.—Elevation, 30 feet.

Year.	January.	February.	March.	April.	May.	June	July.	August.	September	October.	November.	December.	Annual.
1826..	2.42	1.64	2.56	1.77	0.93	7.45	4.62	1.14	3.90	2.22	1.52	1.99	32.16
1827..	5.18	2.42	2.24	3.98	3.21	3.64	4.28	4.88	4.27	4.32	4.19	4.20	46.81
1828..	1.89	1.89	1.17	2.50	4.41	4.25	5.15	1.24	7.97	1.58	5.65	0.21	37.91
1829..	4.68	3.19	2.49	4.92	3.26	3.48	3.23	1.61	2.92	2.78	3.77	2.01	38.34
1830..	0.97	1.44	4.97	2.09	3.46	8.23	3.92	2.05	2.11	2.55	5.48	3.40	40.67
1831..	1.62	2.01	2.36	5.18	2.75	3.98	3.93	3.41	3.92	5.20	2.31	1.16	37.83
1832..	4.52	5.52	1.99	3.11	4.17	3.23	5.13	4.41	2.37	4.00	3.55	3.83	45.63
1833..	2.92	2.85	1.91	0.87	7.86	3.12	4.08	3.50	3.50	8.40	3.67	1.55	44.23
1834..	0.95	0.33	1.82	2.52	3.04	2.87	3.24	1.53	1.99	4.02	0.80	2.60	25.71
1835..	0.25	1.30	0.17	1.52	1.86	4.83	2.10	4.10	0.95	1.96	2.11	1.00	22.15
1836..	4.93	2.70	1.25	1.60	2.38	4.69	1.93	1.57	1.61	4.40	2.45	4.07	33.58
1837..	1.78	2.08	2.31	2.26	4.74	4.65	5.50	2.46	1.55	2.47	1.77	1.77	33.34
1839..	1.00	0.15	0.58	1.24	0.92	2.65	2.19	0.92	2.59	1.70	1.12	3.26	18.32
1840..	1.90	2.85	3.08	3.52	0.20	1.93	1.98	2.55	2.01	3.48	2.41	3.30	29.21
1841..	2.30	0.92	1.75	1.50	1.69	2.00	1.29	3.30	4.10	0.85	2.87	5.27	27.84
1842..	2.25	1.00	2.06	4.43	0.90	3.17	2.40	3.35	2.90	1.95	1.20	3.95	29.56
1843..	1.80	1.90	3.45	2.90	0.73	4.10	2.45	5.10	2.80	4.05	2.20	1.40	32.88
1844..	0.81	1.95	1.15	0.50	4.35	3.45	3.60	1.45	1.10	3.05	1.65	1.40	24.46
1845..	2.20	1.60	3.00	1.50	2.50	2.35	4.10	2.50	4.35	2.05	2.10	2.50	30.75
1846..	1.50	3.70	2.95	0.25	2.37	4.41	6.02	1.38	3.50	2.83	5.59	2.98	37.48
Mean	2.29	2.07	2.16	2.40	2.79	3.92	3.56	2.62	3.02	3.19	2.82	2.59	33.43

KINGS STATION, SARATOGA COUNTY, N. Y.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June	July.	August.	September	October.	November.	December.	Annual.
1890..	......	......	.....	......	......	......	......	......	......	5.40	2.22	......	.....
1891..	......	......	......	1.90	2.57	1.47	4.04	**3.70**	1.68	2.60	2.98	4.96	.....
1892..	5.41	2.30	2.25	0.84	6.21	4.49	4.31	6.66	2.39	1.30	3.12	1.45	40.73
1893..	2.90	6.85	2.65	3.18	6.06	1.52	5.11	11.25	3.68	1.97	1.25	4.52	50.91
1894..	3.06	3.15	2.17	1.87	5.26	5.11	3.63	3.14	2.82	4.72	2.74	3.06	40.73
1895..	2.16	1.20	2.01	6.52	2.26	3.40	3.65	3.86	2.27	1.46	3.23	4.12	36.14
1896..	1.15	6.20	6.40	0.70	3.47	2.21	4.30	2.19	6.79	4.25	6.17	1.17	45.00
1897..	2.20	1.75	4.95	3.68	6.35	6.63	8.83	4.70	1.65	1.45	8.15	6.27	56.61
1898..	5.25	5.53	1.74	3.41	5.12	3.24	2.55	9.64	3.22	4.82	4.60	5.67	54.79
1899..	5.90	6.20	11.24	2.00	3.25	1.20	4.74	3.89	8.80	1.97	2.66	3.46	55.31
1900..	5.15	5.40	4.40	1.50	1.73	2.41	2.88	4.38	1.60	2.60	5.75	3.47	41.27
1901..	2.75	0.60	3.97	6.10	5.73	3.05	6.30	4.96	4.82	1.90	1.48	5.50	47.16
1902..	1.85	3.00	6.28	3.41	3.04	3.73	6.43	2.08	3.90	6.12	1.22	6.65	47.71
1903..	3.09	4.75	7.09	2.13	0.66	8.14	3.91	6.18	1.50	5.02	2.17	2.76	47.40
1904..	4.20	2.63	3.45	4.47	2.59	7.27	4.98	5.15	5.53	3.84	0.75	2.86	47.72
1905..	3.25	2.40	3.32	2.71	1.90	5.75	4.36	3.36	6.54	2.22	3.27	3.37	42.45
1906..	3.47	3.68	4.97	1.65	5.77	4.87	3.54	2.99	2.29	3.54	1.54	4.60	42.91
1907..	2.85	2.55	1.90	2.80	3.62	3.50	3.95	1.25	......	......	......	......	.....
Mean	3.42	3.64	4.30	2.87	3.86	4.00	4.56	4.67	3.72	3.25	3.14	3.99	45.42

TROY, RENSSELAER COUNTY, N. Y.—Elevation, 58 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1826..	2.42	1.64	2.56	1.77	0.93	7.45	4.62	1.14	3.90	2.22	1.52	1.99	32.16
1827..	5.18	2.42	2.24	3.98	3.21	3.64	4.28	4.88	4.27	4.32	4.19	4.20	46.81
1828..	1.89	1.89	1.17	2.50	4.41	4.25	5.15	1.24	7.97	1.58	5.65	0.21	37.91
1829..	4.68	3.19	2.49	4.92	3.26	3.48	3.23	1.61	2.92	2.78	3.77	2.01	38.34
1830..	0.97	1.44	4.97	2.09	3.46	8.23	3.92	2.05	2.11	2.55	5.48	3.40	40.67
1831..	1.62	2.01	2.36	5.18	2.75	3.98	3.93	3.41	3.92	5.20	2.31	1.16	37.83
1832..	4.52	5.52	1.99	3.11	4.17	3.23	5.13	4.41	2.37	4.00	3.55	3.83	45.83
1833..	2.92	2.85	1.91	0.87	7.86	3.12	4.08	3.50	3.50	8.40	3.67	1.55	44.23
1834..	0.95	0.33	1.82	2.52	3.04	2.87	3.24	1.53	1.99	4.02	0.80	2.60	25.71
1835..	0.25	1.30	0.17	1.52	1.86	4.83	2.10	4.10	0.95	1.96	2.11	1.00	22.15
1836..	4.93	2.70	1.25	1.60	2.38	4.69	1.93	1.57	1.61	4.40	2.45	4.07	33.58
1837..	1.78	2.08	2.31	2.26	4.74	4.65	5.50	2.46	1.55	2.47	1.77	1.77	33.34
1838..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1839..	1.00	0.15	0.58	1.24	0.92	2.65	2.19	0.92	2.59	1.70	1.12	3.26	18.32
1840..	1.90	2.85	3.08	3.52	0.20	1.93	1.98	2.55	2.01	3.48	2.41	3.30	29.21
1841..	2.30	0.92	1.75	1.50	1.69	2.00	1.29	3.30	4.10	0.85	2.87	5.27	27.84
1842..	2.25	1.00	2.06	4.43	0.90	3.17	2.40	3.35	2.90	1.95	1.20	3.95	29.56
1843..	1.80	1.90	3.45	2.90	0.73	4.10	2.45	5.10	2.80	4.05	2.20	1.40	32.88
1844..	0.81	1.95	1.15	0.50	4.35	3.45	3.60	1.45	1.10	3.05	1.65	1.40	24.46
1845.	2.20	1.60	3.00	1.50	2.50	2.35	4.10	2.50	4.35	2.05	2.10	2.50	30.75
1846..	1.50	3.70	2.95	0.25	2.37	4.41	6.02	1.38	3.50	2.83	5.59	2.98	37.48
1847..	......	......	......	......	......	......	......	1.49	4.27	3.64	1.76	4.17	.....
1848..	2.27	1.81	1.99	0.78	6.01	2.91	6.36	3.47	2.99	3.45	1.91	4.69	38.64
1849..	0.82	0.80	2.58	0.90	4.60	5.06	1.15	4.87	1.26	6.98	2.53	2.18	33.73
1850..	2.65	1.87	0.45	2.86	5.40	3.20	5.98	3.07	5.08	4.41	2.42	3.47	40.86
1851..	0.67	3.86	0.65	3.28	2.33	4.26	4.66	1.68	1.08	2.46	4.61	0.29	29.83
1852..	2.54	1.11	2.73	4.29	2.41	1.86	3.19	2.48	1.35	3.04	4.09	2.80	31.89
1853..	1.12	3.53	2.20	3.55	3.36	1.75	3.74	3.71	6.10	3.17	3.33	1.60	37.16
1854..	2.46	2.50	2.49	5.83	1.87	2.05	2.58	1.09	2.28	2.49	2.30	2.08	30.02
1855..	2.37	1.46	0.59	3.27	1.94	6.01	4.42	4.05	1.55	9.42	3.37	3.74	42.19
1856..	1.00	0.22	1.22	2.31	5.15	3.44	1.74	11.09	4.00	1.16	2.75	2.70	36.78
1857..	2.50	1.78	1.05	6.36	3.70	4.63	3.51	3.64	2.22	3.31	1.94	3.87	38.51
1858..	2.00	1.63	0.61	2.68	3.35	2.67	9.19	2.98	3.31	3.10	3.09	2.67	37.28
1859..	3.13	1.94	2.99	3.38	2.19	4.27	2.92	2.53	4.55	1.22	3.48	3.77	36.37
1860..	0.41	1.61	2.35	1.38	2.46	3.54	4.34	8.46	4.39	4.24	3.64	2.30	39.12
1861..	3.47	2.60	3.68	6.28	3.82	1.64	4.95	4.59	3.14	3.20	2.72	1.65	41.74
1862..	5.33	2.07	3.77	1.83	0.91	7.67	4.25	2.27	0.84	3.72	4.32	1.54	38.52
1863..	4.92	2.51	4.04	1.38	5.55	2.04	7.66	7.24	1.62	2.32	5.02	4.10	48.40
1864..	1.61	0.86	3.50	4.62	2.43	0.62	1.06	5.69	2.72	2.68	3.68	3.92	33.39
1865..	2.27	1.96	4.84	2.87	5.97	1.98	3.62	0.93	2.14	3.88	2.67	1.38	34.51
1866..	1.35	1.70	1.08	1.45	2.43	6.71	3.85	3.18	4.73	1.68	2.94	0.66	31.76
1867..	2.42	1.91	2.26	3.20	5.75	3.24	3.41	7.29	1.50	3.20	1.64	1.24	37.06
1868..	3.33	0.86	2.06	3.79	6.33	3.20	2.35	3.85	8.45	1.58	4.94	1.64	42.41
1869..	3.99	3.38	3.81	2.72	2.04	5.79	2.49	1.76	3.45	13.80	0.58	4.24	48.05
1870..	4.47	5.08	3.59	2.42	1.44	5.65	5.01	5.56	3.01	2.87	1.82	1.06	41.98
1871..	1.60	1.64	3.85	2.40	3.05	4.81	7.24	8.92	1.78	2.37	2.24	1.80	41.70
1872..	0.78	1.74	2.70	1.81	4.79	4.68	5.60	4.83	2.55	4.68	2.77	2.18	39.11
1873..	3.32	2.11	3.65	1.99	1.98	0.99	5.97	2.27	4.78	5.57	3.75	3.03	39.41
1874..	3.96	3.76	1.86	5.37	2.27	7.22	6.23	0.77	2.78	1.76	2.55	0.84	39.37
1875..	2.21	1.65	3.46	2.79	2.15	3.67	4.40	4.78	2.42	5.44	2.25	1.20	36.42
1876..	1.70	4.11	4.88	3.51	2.96	4.40	4.97	0.53	5.25	1.64	0.24	2.11	36.30
1877..	0.82	0.04	2.38	2.05	1.54	4.52	4.96	2.06	1.09	7.28	3.11	0.55	30.40
1878..	3.94	3.72	1.94	4.53	4.60	4.68	6.12	3.80	2.63	3.32	5.18	4.70	49.16
1879..	2.72	2.23	3.82	2.90	0.65	7.42	5.82	3.60	3.55	1.80	3.53	4.22	42.26
1880..	2.98	2.67	1.20	2.07	3.03	1.09	3.04	2.76	2.88	2.43	2.49	1.99	28.63
1881..	2.02	2.81	3.53	1.60	4.81	5.02	2.22	2.07	4.04	3.19	3.44	4.88	39.63
1882..	2.64	3.59	1.79	1.25	9.69	8.64	3.97	1.38	7.79	0.27	0.97	2.24	44.22
1883..	2.43	3.00	1.77	2.65	3.20	6.30	5.96	3.69	3.19	3.49	1.14	2.55	39.37
1884..	2.98	3.85	4.00	2.09	2.79	1.80	5.04	5.27	1.80	2.64	3.44	3.20	38.90
1885..	3.09	1.38	0.62	2.89	1.92	1.98	1.98	7.58	2.00	5.54	3.90	1.51	34.39
1886..	3.66	1.40	2.73	3.67	3.40	3.19	2.56	0.87	2.51	2.43	5.40	2.19	34.01
Mean	2.44	2.17	2.41	2.77	3.22	3.95	4.06	3.41	3.13	3.48	2.91	2.55	36.50

INDIAN LAKE, HAMILTON COUNTY, N. Y.—Elevation, 1,800 feet.

1899..	......	......	......	......	......	......	......	......	2.84	2.50	3.11	4.09	.....
1900..	3.22	4.79	6.02	0.97	2.04	3.11	4.45	4.27	1.89	2.31	7.16	4.37	44.60
1901..	2.31	0.51	2.95	1.88	4.34	3.83	4.65	5.62	4.59	2.99	1.21	3.11	37.99
1902..	2.01	2.38	1.65	5.68	4.06	5.63	8.31	4.14	3.28	5.42	1.77	3.55	47.88
1903..	3.38	4.04	4.83	2.16	0.21	6.47	4.68	4.83	1.36	5.92	1.33	4.15	43.36
1904..	3.41	2.23	3.45	2.44	2.60	2.97	3.25	4.08	5.10	4.25	0.45	1.78	36.01
1905..	1.92	1.52	2.20	3.13	1.80	9.00	4.80	2.40	6.20	2.85	1.47	2.81	40.10
1906..	1.91	1.32	3.12	1.70	4.88	4.80	2.90	3.63	3.15	3.57	3.05	2.40	36.43
1907..	4.60	0.93	1.54	3.95	3.35	2.80	2.25	1.45	7.33	4.66	5.90	5.34	44.10
1908..	2.68	5.65	1.97	3.55	6.10	1.15	3.05	1.70	1.45	2.15	2.13	3.14	34.72
1909..	3.50	6.15	2.55	2.15	2.87	2.20	2.35	2.15	2.00	1.80	2.60	1.72	32.04
Mean	2.89	2.95	3.03	2.76	3.22	4.20	4.07	3.43	3.56	3.49	2.74	3.31	39.65

SALEM (WASHINGTON ACADEMY), WASHINGTON COUNTY, N. Y.—Elevation, — feet.

1840..	0.99	1.37	3.79	2.66	1.47	4.26	4.55	3.26	4.13	4.29	2.92	1.19	34.88
1841..	3.63	0.30	2.15	3.78	2.37	1.58	2.29	2.20	4.68	0.33	1.36	1.11	25.78
1842..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1843..	1.30	1.75	4.36	2.38	1.52	4.82	4.34	6.52	1.70	5.41	3.43	1.57	39.10
1844..	2.09	1.45	2.34	1.07	3.38	3.65	2.26	1.53	2.98	4.85	0.99	3.27	29.86
1845..	1.80	2.34	2.56	0.81	2.42	2.02	4.48	2.40	3.25	1.90	3.20	3.94	31.12
1846..	1.94	0.95	2.56	0.45	2.90	2.72	8.06	0.71	2.95	1.55	3.63	3.00	31.42
1847..	1.51	1.36	2.37	1.10	2.26	5.60	4.80	5.04	3.51	4.65	1.73	3.71	37.64
Mean	1.89	1.36	2.88	1.75	2.33	3.52	4.40	3.09	3.31	3.28	2.47	2.54	32.82

SOUTH HARTFORD, WASHINGTON COUNTY, N. Y.—Elevation, 400 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1863..	......	......	......	......	......	......	......	10.12	2.80	2.60	2.13	3.23	.....
1864..	1.56	1.75	2.95	5.75	6.53	0.82	1.95	7.68	4.55	4.35	6.90	4.40	49.19
1865..	2.60	1.80	6.08	3.30	7.53	3.99	4.56	0.95	2.08	2.27	4.96	3.55	43.67
1866..	1.18	4.74	1.94	0.63	1.06	3.65	2.46	4.34	5.28	1.07	4.96	3.62	34.98
1867..	1.41	2.85	1.95	4.59	8.50	10.95	3.73	2.50	1.30	2.72	3.00	1.20	44.70
1868..	4.00	1.10	2.45	2.85	6.20	2.90	0.80	1.84	......	2.71	8.30	3.70	.....
1869..	3.40	4.35	5.15	1.60	2.10	5.05	3.12	......	3.10	13.85	2.50	4.15	.....
1870..	2.87	3.72	3.58	1.85	0.65	3.35	3.70	1.45	2.15	2.95	1.12	1.72	29.11
1871..	2.52	2.51	3.38	1.95	2.10	3.05	5.45	9.10	2.00	3.50	2.15	3.72	41.43
1872..	1.03	1.95	2.33	2.05	4.65	6.40	4.15	7.15	1.60	2.90	3.40	3.86	41.47
1873..	3.42	2.90	3.05	3.25	1.80	0.95	4.15	3.15	3.20	4.45	4.52	......	.....
1874..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1875..	......	......	......	......	......	......	......	4.90	3.35	6.90	4.65	1.90	.....
1876..	2.53	4.85	4.91	2.15	2.75	4.30	5.30	1.85	5.70	1.20	0.82	3.18	39.54
1877.	2.90	0.42	2.95	1.95	2.17	4.85	4.85	3.40	0.55	4.75	4.95	0.25	33.99
1878..	3.05	1.70	1.70	3.25	2.50	3.30	4.35	6.30	0.77	4.21	3.61	5.15	39.89
1879..	3.00	......	......	......	......	......	......	......	......	......	......	......	.....
Mean	2.53	2.66	3.26	2.71	3.73	4.12	3.74	4.62	2.74	4.03	3.86	3.12	41.12

WEST TROY (WATERVLIET ARSENAL), RENSSELAER COUNTY, N. Y.—Elevation, 50 feet.

1836..	......	......	......	......	......	......	......	......	......	......	......	.....	44.30
1837..	......	......	......	......	......	......	......	......	......	......	......	......	32.06
1838..	......	.....	......	.....	.....	......	......	......	......	......	......	......	30.80
1839..	......	......	......	......	......	......	......	......	.....	......	......	......	29.73
1840..	......	......	......	......	......	......	......	.....	......	......	......	......	32.28
1841..	......	......	......	.....	......	......	......	......	......	.....	......	......	35.79
1842..	......	......	......	......	......	......	......	......	......	......	......	......	39.62
1843..	1.90	......	1.30	4.26	3.25	6.05	4.39	7.02	2.61	4.83	2.75	1.69	.....
1844..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1845..	4.25	2.95	3.35	3.25	5.02	2.09	3.31	1.19	3.12	2.01	3.41	2.55	36.54
1846..	2.86	2.20	2.85	0.86	3.29	2.96	2.50	2.90	1.10	2.16	5.00	2.81	31.49
1847..	1.84	1.38	2.50	2.23	2.45	3.82	6.01	1.74	3.06	3.16	1.97	1.64	31.80
1848..	2.20	1.17	1.84	1.75	9.32	5.19	1.80	0.94	1.65	2.95	1.82	3.50	34.13
1849..	0.65	......	1.19	1.01	5.53	5.52	......	......	6.67	5.34	1.61	2.98	.....
1850..	1.81	0.40	0.84	2.92	4.70	1.91	5.27	3.34	4.23	3.37	1.69	2.75	33.23
1851..	1.32	3.86	0.97	3.53	2.83	3.60	4.43	2.39	1.66	2.62	4.01	2.86	34.08
1852..	2.88	1.10	2.06	4.16	1.67	1.28	2.87	2.73	2.67	2.67	4.70	2.35	31.14
1853..	1.78	4.08	2.72	3.36	5.84	1.62	3.54	3.05	7.56	2.47	5.37	1.43	42.82
1854..	3.50	2.77	2.73	3.98	1.58	2.31	1.54	0.84	2.82	2.05	2.40	0.98	27.50
Mean	2.27	2.21	2.03	2.85	4.13	3.30	3.57	2.61	3.38	3.06	3.16	2.32	34.89

SOUTH SCROON, ESSEX COUNTY, N. Y.—Elevation, 1,225 feet.

1901..	1.86	0.38	3.92	4.03	5.03	3.62	5.38	3.85	4.07	2.31	1.37	4.42	40.24
1902..	2.25	2.87	5.64	4.69	2.77	5.16	6.04	4.23	4.02	5.26	1.77	4.09	48.79
1903..	3.49	4.03	5.80	1.94	0.10	8.91	5.74	5.01	1.51	5.17	1.34	2.92	45.96
1904..	3.25	1.83	2.82	3.29	2.85	3.24	4.73	3.46	5.08	3.24	0.40	2.06	36.25
1905..	2.87	1.66	2.04	3.03	2.20	8.72	8.88	2.90	5.84	2.86	1.84	2.76	45.60
1906..	2.08	1.91	4.10	1.87	3.57	6.64	5.90	4.30	2.39	**2.75**	**3.00**	**2.60**	41.11
Mean	2.63	2.11	4.05	3.14	2.75	6.05	6.11	3.96	3.82	3.60	1.62	3.14	42.98

SPIER FALLS, SARATOGA COUNTY, N. Y.—Elevation, 400 feet.

1901..	......	......	......	......	......	......	......	......	......	1.30	1.05	3.91	.....
1902..	1.43	2.32	4.53	3.88	2.06	3.97	5.44	1.56	4.16	5.06	0.92	6.11	41.44
1903..	3.36	3.85	6.18	1.13	0.44	7.53	3.61	5.34	1.22	4.91	1.66	2.53	41.76
1904..	4.36	2.10	3.23	3.07	1.93	5.81	3.57	4.61	4.73	3.01	0.26	1.75	38.43
1905..	2.82	1.60	0.98	1.51	1.33	5.15	5.32	2.98	6.16	2.13	2.49	2.65	35.12
1906..	1.79	4.00	**4.10**	**2.10**	5.55	4.33	3.44	2.90	2.20	3.03	2.83	5.15	41.42
1907..	2.41	1.29	1.98	3.95	3.72	3.39	2.78	0.85	7.61	5.08	3.68	5.47	42.21
1908..	2.15	5.22	2.69	2.00	6.21	2.12	3.19	1.65	1.18	2.83	1.60	3.48	34.32
1909..	4.54	7.15	3.66	1.88	5.17	2.47	2.33	2.95	3.12	0.69	0.89	2.42	37.27
Mean	2.86	3.44	3.42	2.44	3.30	4.35	3.71	2.86	3.80	3.12	1.71	3.72	38.73

MOHAWK GROUP.

[Figures in bold-face type estimated from surrounding stations.]

CANAJOHARIE, MONTGOMERY COUNTY, N. Y.—Elevation, 300 feet.

1897..	0.69	1.44	3.08	1.56	3.82	6.31	6.48	2.98	1.98	0.74	4.03	4.60	37.71
1898..	3.14	2.22	1.01	2.98	3.54	2.55	2.69	6.16	1.74	5.51	3.99	1.42	36.95
1899..	1.03	0.65	6.89	1.10	3.33	4.19	4.01	2.27	**4.30**	1.76	2.05	2.20	33.78
1900..	2.47	3.41	5.05	1.36	1.86	4.52	2.85	2.79	0.67	2.31	4.23	2.18	33.70
1901..	1.83	0.32	1.95	5.60	5.10	2.89	4.55	3.25	2.76	2.97	**1.96**	2.55	35.72
1902..	1.37	2.84	4.04	2.58	2.27	3.64	5.73	2.11	4.27	3.90	1.08	5.43	39.26
1903..	2.32	2.76	5.66	1.27	0.07	9.41	6.06	5.59	1.46	6.49	1.43	2.62	45.14
1904..	2.85	1.30	2.02	2.76	2.47	3.88	......	......	......	......	......	......	.....
Mean	1.96	1.87	3.71	2.40	2.81	4.67	4.62	3.59	2.45	3.38	2.68	3.00	37.14

LITTLE FALLS, HERKIMER COUNTY, N. Y.—Elevation, 924 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897..	1.01	1.73	4.46	4.47	4.39	5.45	4.68	2.52	1.90	1.31	4.80	5.22	41.94
1898..	4.42	2.25	2.79	2.96	3.97	4.52	3.02	5.24	3.53	4.28	3.10	2.57	42.65
1899..	1.66	2.79	3.12	1.24	4.15	3.21	2.48	1.35	2.59	2.12	2.46	3.13	30.30
1900..	2.82	3.09	3.04	1.97	1.89	3.56	5.42	3.88	2.31	2.42	4.56	3.02	37.98
1901..	2.33	0.78	2.69	3.33	5.66	3.58	3.74	2.56	3.59	1.55	2.86	3.95	36.62
1902..	1.27	2.99	3.23	1.72	3.63	6.40	9.07	2.12	3.77	4.40	1.74	3.47	43.81
1903..	2.32	3.19	5.21	1.44	0.06	6.98	5.16	7.23	1.02	7.58	2.10	2.23	44.52
1904..	2.33	2.28	3.17	2.64	2.36	4.13	4.60	4.15	3.75	3.48	0.35	3.01	36.25
1905..	2.73	0.98	2.63	2.72	2.43	8.42	5.18	5.13	6.14	3.87	2.63	3.76	46.62
1906..	1.99	1.72	3.83	2.25	4.39	3.90	5.28	2.80	3.28	4.26	2.28	2.28	38.26
1907..	3.70	1.11	2.87	3.35	3.52	3.09	4.81	2.97	6.05	3.98	4.33	3.17	42.95
1908..	1.60	3.09	2.44	2.99	4.52	2.47	3.72	4.81	2.74	2.28	1.83	2.83	35.32
1909..	3.54	5.49	2.65	3.03	3.33	3.56	4.63	2.98	2.21	2.20	2.43	1.68	37.73
Mean	2.44	2.42	3.24	2.62	3.41	4.56	4.75	3.67	3.30	3.36	2.73	3.10	39.60

GLOVERSVILLE, FULTON COUNTY, N. Y.—Elevation, 850 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892..	......	......	......	......	7.90	4.91	3.27	9.23	3.00	1.55	3.29	1.34	.....
1893..	1.64	6.81	1.84	3.57	6.06	1.95	2.69	5.80	3.94	1.62	1.34	4.11	41.37
1894..	3.27	3.19	2.38	2.74	7.48	4.95	3.06	1.64	3.73	4.93	3.14	3.04	43.55
1895..	2.86	1.19	3.21	4.48	2.05	3.19	3.41	5.15	1.90	1.73	4.83	2.91	36.91
1896..	1.47	5.90	6.59	0.96	3.19	3.79	4.95	2.01	6.21	3.06	5.37	1.67	45.17
1897..	2.48	2.03	5.41	3.38	5.18	6.72	9.80	3.46	1.78	1.59	6.79	6.52	55.14
1898..	6.90	3.33	3.04	4.19	6.45	5.14	4.73	6.90	3.16	5.52	4.64	2.62	56.62
1899..	2.32	2.22	7.19	1.38	3.23	3.46	4.09	1.66	3.26	2.15	2.18	3.41	36.55
1900..	4.87	4.31	4.87	1.63	1.52	1.92	2.14	3.23	2.22	2.87	5.26	2.12	36.96
1901..	2.62	1.09	2.78	3.72	3.57	3.76	3.49	4.19	3.86	1.08	2.23	4.07	36.46
1902..	1.85	3.13	3.94	3.74	2.14	5.48	7.38	2.09	4.28	4.22	1.62	7.01	46.88
1903..	3.92	3.90	7.32	1.37	0.16	9.44	4.06	6.78	0.64	5.75	2.54	3.28	49.16
1904..	4.33	2.97	3.72	4.28	2.37	5.36	3.09	4.67	4.51	3.40	0.38	3.80	42.88
1905..	4.87	2.15	2.90	3.01	2.40	6.17	5.21	4.68	6.43	3.00	3.84	4.63	49.29
1906..	2.90	3.01	4.57	3.25	5.31	4.32	4.06	2.89	3.56	3.06	3.04	5.70	45.67
1907..	3.75	1.44	3.52	3.98	3.26	1.66	3.20	1.81	6.68	4.67	4.10	4.58	42.65
1908..	2.62	4.56	3.78	3.09	5.67	1.34	2.56	2.73	1.61	3.27	1.32	4.35	36.90
1909..	5.33	6.86	2.50	4.17	5.18	3.99	4.87	2.93	3.02	1.28	2.65	2.42	45.20
Mean	3.41	3.42	4.09	3.11	4.06	4.31	4.23	3.99	3.54	3.03	3.25	3.75	44.19

FAIRFIELD, HERKIMER COUNTY, N. Y.—Elevation, 1,185 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1828..	2.13	2.90	2.48	2.76	2.58	5.48	10.89	5.46	4.23	2.38	4.22	0.00	45.51
1829..	......	......	.....	......	......	......	......	......	......	......	......	......	.....
1830..	......	......	......	......	......	......	... ..	......	......	......	......	......	.....
1831..	1.54	1.10	1.52	1.80	1.80	3.40	3.18	2.90	2.10	1.24	1.90	1.25	23.73
1832..	2.90	1.60	1.99	2.39	3.02	2.15	2.67	5.14	2.29	4.47	1.80	1.80	32.22
1833-4	......	......	......	......	......	......	......	......	......	......	.... .	......	.....
1835..	1.82	2.25	1.63	1.68	1.10	6.38	4.65	6.79	3.01	4.63	1.42	0.81	36.17
1836..	3.96	3.37	1.89	2.74	4.26	6.25	2.42	1.61	1.37	2.52	2.58	1.74	34.71
1837..	1.58	0.34	3.22	1.10	2.92	5.10	3.85	3.17	2.78	5.74	1.15	1.60	32.55
1838..	0.38	0.04	0.40	0.50	3.65	3.55	2.33	7.61	2.30	3.15	3.42	0.33	27.66
1839..	3.45	0.78	0.90	2.10	3.55	5.55	5.70	1.35	3.00	0.55	1.70	1.25	29.88
1840..	1.32	0.25	1.20	5.10	3.92	4.12	4.67	4.62	4.48	4.98	1.63	1.04	37.33
1841..	5.10	1.03	3.33	3.70	1.58	3.81	3.87	2.62	3.44	1.41	2.00	3.60	35.49
1842..	2.83	6.35	5.00	3.97	2.83	4.61	6.14	2.90	6.58	3.58	2.72	4.05	51.56
1843..	2.68	0.96	2.57	2.68	1.07	4.48	4.41	3.81	2.06	4.47	4.59	2.13	35.91
1844..	2.91	3.15	2.43	1.70	7.39	2.99	4.47	4.04	2.57	3.78	2.00	2.12	39.55
1845..	4.11	3.89	2.43	3.28	3.54	4.30	2.19	0.94	3.94	2.31	3.84	5.97	40.74
1846..	......	....	......	......	......	......	......	......	......	......	......	......	.....
1847..	3.60	3.89	3.04	2.15	2.64	4.87	2.84	2.55	3.76	4.53	2.26	6.42	42.55
1848..	2.41	1.21	4.24	2.78	3.00	2.20	6.40	2.71	2.66	2.59	0.40	9.91	40.51
1849..	3.09	1.56	1.85	2.62	2.80	3.73	0.92	3.95	1.83	8.25	4.22	2.60	37.72
Mean	2.69	2.06	2.36	2.53	3.04	4.29	4.21	3.66	3.08	3.56	2.46	2.74	36.68

SALISBURY, HERKIMER COUNTY, N. Y.—Elevation, 1,526 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1897..	1.97	1.62	6.66	3.50	5.07	5.49	5.31	3.44	1.85	1.45	6.78	6.46	49.60
1898..	7.18	3.08	2.63	4.57	4.83	4.38	2.42	13.79	3.92	3.78	4.01	4.67	59.26
1899..	3.69	3.03	6.33	1.30	4.77	2.82	3.95	1.06	2.98	3.11	3.23	5.49	41.76
1900..	5.31	4.03	4.65	1.97	1.86	4.94	6.28	3.56	2.69	2.63	5.50	2.82	46.24
1901..	3.00	0.75	3.80	1.98	6.39	4.95	3.96	4.47	4.99	2.22	3.33	5.23	45.07
1902..	0.83	3.32	2.87	2.20	3.28	7.97	8.44	3.54	3.97	6.69	1.75	2.95	47.81
1903..	2.30	2.38	6.75	1.63	0.18	8.68	5.71	7.26	1.30	8.34	2.15	1.57	48.25
1904..	2.00	2.63	4.11	4.02	3.63	6.49	7.61	5.79	6.07	4.69	0.10	3.47	50.61
1905..	2.75	1.36	1.30	2.85	4.10	8.50	8.30	3.89	7.94	5.26	2.47	6.57	55.29
1906..	1.67	2.44	3.97	2.90	4.64	3.93	3.84	3.37	2.31	5.00	2.07	4.48	40.62
1907..	3.65	0.96	2.63	4.73	5.49	3.88	4.62	4.49	7.57	6.10	5.39	4.40	53.91
1908..	1.60	3.55	1.70	4.53	8.82	1.97	5.65	6.86	1.69	2.00	3.12	3.86	45.35
1909..	4.10	7.71	3.75	4.63	3.92	......	4.97	4.42	3.79	3.64	2.42	2.29	.....
Mean	3.08	2.84	3.93	3.14	4.38	5.33	5.47	5.07	3.93	4.22	3.26	4.17	48.82

WINDHAM, GREENE COUNTY, N. Y.—Elevation, 1,520 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	1.74	4.45	3.95	1.75	1.71	3.59	2.26	3.50	1.87	1.78	4.11	2.20	32.91
1901..	1.34	0.87	2.43	9.56	5.02	4.13	3.64	5.36	3.55	1.98	2.93	6.52	47.33
1902..	0.87	3.88	4.00	4.77	2.03	4.65	7.44	4.11	7.68	3.25	0.88	5.75	49.31
1903..	1.85	3.16	4.47	2.65	0.92	8.09	2.37	6.97	1.53	9.70	1.76	3.02	46.49
1904..	3.15	1.27	2.31	3.21	3.64	4.03	3.95	3.75	3.31	3.75	2.41	2.20	36.98
1905..	3.95	0.53	2.30	1.90	1.33	3.64	2.69	5.79	1.83	3.25	1.01	2.88	31.10
1906..	1.49	1.86	3.66	2.44	5.30	3.54	4.89	3.57	2.28	3.11	2.36	1.94	36.44
1907..	1.87	1.77	0.89	1.97	3.00	2.77	3.41	1.09	7.12	3.38	4.96	3.41	35.64
1908..	3.36	4.40	1.84	2.57	6.33	2.71	3.67	2.42	1.87	3.90	0.87	1.05	34.99
1909..	2.88	4.03	2.61	3.58	3.68	5.10	1.73	2.60	2.68	1.26	2.37	4.04	36.56
Mean	2.25	2.62	2.85	3.44	3.30	4.22	3.60	3.92	3.37	3.54	2.37	3.30	38.78

UTICA, ONEIDA COUNTY, N. Y.—Elevation, 537 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1826..	3.46	2.10	3.37	1.30	0.93	7.46	3.36	0.72	2.63	1.93	2.48	6.37	36.11
1827..	3.36	2.64	1.92	5.18	3.97	3.42	7.60	4.99	4.05	4.50	2.99	3.00	47.92
1828..	1.79	2.70	0.89	1.41	0.75	5.16	7.54	4.99	4.29	2.59	4.15	0.31	36.57
1829..	2.82	3.00	2.00	4.57	0.35	3.40	3.97	2.11	4.96	2.88	2.73	3.37	36.16
1830..	2.94	0.52	5.61	2.18	4.97	7.93	5.44	2.10	2.66	2.42	6.58	2.84	46.19
1831..	3.10	2.64	1.90	5.33	2.92	3.23	6.09	4.38	1.48	1.33	1.57	3.88	37.85
1832..	3.13	5.96	1.45	1.65	2.20	1.90	3.64	11.44	4.55	2.52	6.31	5.15	49.90
1833..	2.17	2.68	1.39	0.73	4.30	2.46	6.03	3.96	3.76	4.66	3.04	2.61	37.79
1834..	1.89	1.21	2.68	3.83	3.23	5.99	3.20	3.97	2.85	2.09	1.69	1.89	34.52
1835..	3.31	1.79	1.93	3.67	2.18	6.88	4.89	6.50	1.38	2.32	2.60	1.13	38.58
1836..	8.06	2.65	0.51	2.60	4.33	3.00	1.72	0.91	3.57	1.27	1.97	2.57	33.16
1837..	2.00	2.07	......	2.15	1.60	3.60	2.11	1.50	1.70	1.34	......	......	.....
1838..	.....	......	......	......	......	......	......	......	......	......	......	......	.....
1839..	4.12	1.27	1.25	1.49	4.11	3.87	3.55	1.58	1.68	2.15	6.49	3.88	35.44
1840..	1.75	6.20	5.33	6.60	3.18	3.97	3.34	4.17	4.08	2.55	1.55	3.09	45.81
1841..	2.66	0.75	3.25	4.98	2.37	4.04	2.85	4.60	3.86	2.21	5.03	5.35	41.95
1842..	2.40	4.80	4.81	6.69	5.01	5.52	7.35	3.50	6.91	3.00	3.10	3.60	56.69
1843..	2.85	1.90	4.90	2.18	2.62	5.08	3.58	4.00	2.77	5.02	3.09	2.48	40.47
1844..	2.29	1.34	2.45	1.39	5.78	3.39	3.16	4.57	2.75	2.96	2.48	3.11	35.67
1845..	3.58	2.75	3.20	3.54	3.80	4.83	2.88	1.47	4.07	3.48	4.58	2.10	40.28
1846..	1.50	2.00	1.54	0.90	4.72	2.96	4.93	2.53	6.06	2.88	3.10	3.25	36.37
1847..	1.70	1.05	......	......	1.80	4.22	2.65	2.20	3.75	3.25	2.53	2.75	.....
1848-9	......	......	......	......	......	......	......	......	.....	......	......	......	.....
1850..	2.84	2.56	2.52	3.23	3.22	4.64	4.43	3.88	3.68	2.68	3.61	3.10	40.39
1851..	......	4.36	. ....	......	2.77	7.00	7.96	... ..	......	3.23	4.99	5.22	.....
1852..	3.75	1.96	3.34	3.43	3.50	2.65	5.92	......	1.82	3.67	5.65	4.89	.....
1853..	......	2.15	3.80	2.51	3.83	1.44	......	2.28	5.51	2.81	7.27	1.75	.....
1854..	3.00	2.44	4.18	.....	......	......	......	......	......	......	.....	......	.....
1855-9	......	......	......	......	......	......	......	.....	......	......	......	......	.....
1860..	......	......	....	......	3.54	......	5.52	3.46	3.24	3.68	5.52	1.39	.....
1861..	2.10	2.13	2.41	3.13	4.32	1.74	8.22	2.32	4.48	5.92	2.62	1.16	40.55
1862..	4.50	2.43	5.33	1.74	4.26	3.51	4.57	1.77	2.04	5.67	5.13	2.54	43.49
1863..	6.16	3.05	2.41	1.33	3.53	2.00	5.95	5.44	3.48	2.56	4.28	2.67	42.86
1864 } 1879 }	......	......	......	......	......	......	......	......	......	......	......	......	.....
1880..	3.60	1.90	1.62	1.33	4.54	2.51	3.80	5.27	4.11	5.89	3.54	1.06	39.17
1881..	1.90	2.67	2.08	0.60	3.69	2.59	3.83	1.56	2.51	6.67	4.22	8.72	41.04
1882..	2.63	2.04	4.78	1.39	5.12	7.52	3.62	1.62	3.22	1.25	2.28	3.38	38.85
1883..	1.85	3.03	0.66	0.71	4.26	5.38	5.10	1.21	4.16	3.61	3.89	2.42	36.28
1884..	2.90	4.84	4.02	1.31	4.95	1.13	2.84	3.38	2.62	4.28	2.86	5.06	40.19
1885..	2.32	2.26	0.76	1.92	4.26	3.09	6.68	7.04	2.14	7.95	4.99	3.76	47.17
1886..	2.42	1.33	3.36	3.06	2.63	3.41	6.37	2.51	5.98	3.69	7.10	1.72	43.58
1887..	4.65	7.04	2.76	2.49	2.28	2.06	4.05	3.68	2.50	1.96	4.05	4.06	41.58
1888..	3.35	2.98	4.62	2.87	4.09	4.55	1.56	3.85	3.62	5.52	4.90	3.12	45.03
1889..	4.32	4.04	3.25	2.71	2.49	9.19	5.49	1.72	3.93	3.91	3.83	3.31	48.19
1890..	6.14	4.79	4.15	3.56	8.69	6.19	3.01	4.37	8.27	7.01	3.77	5.63	65.58
1891..	4.18	5.35	3.77	1.53	1.53	2.60	3.79	3.32	1.46	3.64	3.30	6.77	41.24
1892..	5.78	3.37	4.65	2.14	7.00	6.29	6.00	7.95	3.72	2.59	4.28	1.98	55.75
1893..	1.92	7.79	3.16	3.48	7.84	2.35	5.32	6.57	......	......	......	......	.....
Mean	3.20	2.95	2.95	2.67	3.66	4.15	4.62	3.64	3.57	3.47	3.91	3.33	42.12

JOHNSTOWN ACADEMY, FULTON COUNTY, N. Y.—Elevation, 688 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1828..	2.99	2.57	3.19	2.88	4.82	4.39	5.18	2.95	4.12	2.00	4.66	0.64	40.39
1829..	4.11	2.51	2.15	4.49	2.63	3.84	3.63	1.61	3.49	3.10	2.83	2.20	36.59
1830..	......	......	.....	......	......	......	......	......	......	......	......	......	.....
1831..	3.60	3.61	3.05	3.25	2.23	5.07	5.11	2.59	2.70	3.82	0.75	1.10	36.88
1832..	4.50	3.86	0.80	0.97	4.79	1.84	4.85	1.94	1.05	1.29	3.33	3.51	32.73
1833..	......	......	......	......	......	......	......	......	.....	......	.. ...	......	.....
1834..	2.10	1.71	2.62	3.39	3.67	3.52	3.87	1.54	3.85	4.86	1.70	2.31	35.14
1835..	3.76	1.89	3.42	4.42	1.95	8.04	4.71	5.95	0.71	2.11	3.46	0.50	41.01
1836..	1.90	2.80	3.24	2.87	1.99	3.84	3.75	1.50	2.74	3.84	2.03	6.90	37.40
1837..	4.64	3.74	6.73	4.01	8.56	2.76	3.98	2.40	2.44	3.45	2.81	4.95	50.47
1838..	4.88	3.60	5.47	2.02	4.53	5.45	2.26	7.48	1.61	3.20	5.68	3.45	49.63
1839..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1840..	......	......	......	......	......	......	......	......	......	.....	......	......	.....
1841..	3.51	0.87	3.90	2.34	2.89	3.65	3.18	2.77	4.48	1.14	3.32	5.18	37.23
1842..	1.72	3.71	3.49	3.13	1.91	6.29	5.23	4.39	4.10	2.95	4.26	2.79	43.97
1843..	1.16	1.25	3.38	2.35	1.95	3.44	2.12	3.17	2.96	4.74	2.39	2.25	31.16
1844..	3.95	3.90	6.00	1.97	4.03	3.72	4.52	4.66	4.16	5.82	4.77	2.27	49.77
1845..	3.45	4.00	3.44	2.90	2.29	2.98	3.70	1.07	1.83	3.64	4.68	2.07	36.05
1846 } 1879 }	......	......	......	......	......	......	......	......	......	......	......	......	.....
1880..	......	......	......	......	......	......	......	......	.....	......	......	1.08	.....
1881..	3.53	1.60	4.60	0.99	3.69	2.45	3.84	1.14	4.16	4.34	4.83	7.22	42.39
1882..	2.54	7.77	3.10	1.60	5.14	6.18	5.21	4.12	3.50	0.67	1.65	3.27	44.75
1883..	2.33	3.64	1.45	1.61	4.12	3.35	3.51	1.32	4.68	1.76	3.56	2.64	33.97
1884-7	......	......	......	......	......	......	......	......	......	......	.....	......	.....
1888..	......	......	......	......	......	......	......	......	......	......	3.35	1.30	.....
Mean	3.22	3.12	3.53	2.66	3.60	4.17	4.04	2.98	3.09	3.10	3.34	2.93	39.78

WEST BERNE, ALBANY COUNTY, N. Y.—Elevation, 946 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1898..	....	......	......	......	......	......	......	......	2.18	4.88	5.19	3.10	.....
1899..	1.85	4.32	6.43	2.89	3.25	2.29	2.20	2.19	4.49	......	2.05	2.58	.....
1900..	2.61	4.81	4.60	2.23	2.37	2.77	3.15	2.88	0.77	3.15	3.75	2.85	35.94
1901..	2.40	1.40	4.20	7.12	5.47	3.13	5.87	4.54	2.61	2.50	2.77	2.90	44.91
1802..	0.75	5.60	2.50	2.04	3.18	3.47	7.05	3.08	5.38	3.66	1.23	4.36	42.30
1903..	2.07	1.90	5.15	1.46	0.22	6.55	2.91	6.41	1.43	7.86	2.11	2.65	40.72
1904..	2.20	1.72	2.12	3.31	1.84	3.38	4.82	3.08	3.57	3.58	0.45	2.16	32.23
1905..	3.53	1.30	2.60	1.33	1.54	5.53	3.45	4.66	1.81	2.33	0.57	0.56	29.21
1906..	0.66	2.43	1.73	1.40	3.62	3.60	3.23	6.62	2.12	2.80	3.01	0.99	32.21
1907..	1.96	1.30	0.97	3.87	3.44	2.76	4.67	0.84	5.86	3.87	4.30	2.27	36.11
1908..	1.50	2.74	1.19	1.05	4.89	1.88	4.03	4.31	1.86	3.42	0.30	0.78	28.04
1909..	3.37	3.38	2.36	1.94	4.19	3.11	2.90	2.57	2.68	0.63	0.40	2.30	30.03
Mean	2.08	2.81	3.08	2.60	3.10	3.50	4.03	3.74	2.90	3.53	2.18	2.29	35.84

LOWER HUDSON GROUP.

[Figures in bold-face type estimated from surrounding stations.]

ARDENIA, PUTNAM COUNTY, N. Y.—Elevation, 157 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1856..	.....	0.30	.....	.....	.....	.....	2.67	13.11	4.28	1.46	2.06	6.47	....
1857..	.....	.....	2.40	7.29	7.51	6.30	3.64	3.87	2.86	5.22	1.76	5.94	.....
1858..	1.91	0.89	0.91	4.42	5.42	4.81	5.07	4.49	2.18	3.25	4.44	4.66	42.45
1859..	4.88	2.86	7.77	4.10	3.49	4.67	3.28	4.55	5.83	1.63	3.59	3.07	49.72
1860..	.....	7.19	2.38	2.93	3.38	2.41	4.90	5.81	3.39	4.49	6.23	3.83	.....
1861..	3.98	2.79	5.63	7.54	5.76	2.87	3.27	5.59	5.06	2.71	5.82	0.75	51.77
1862..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1863..	.....	.....	.....	.....	5.30	1.17	6.81	4.24	3.24	4.81	4.39	3.48	.....
1864..	2.48	1.77	2.68	3.96	3.10	1.84	2.85	8.24	3.40	2.46	4.41	3.97	41.16
1865..	2.46	2.67	6.40	3.00	7.11	6.54	5.04	1.30	2.02	4.64	3.17	3.27	47.62
1866..	2.35	4.53	1.98	2.51	4.44	5.64	3.83	5.29	5.14	5.84	4.04	2.90	48.49
1867..	2.35	5.44	2.59	3.14	7.86	4.93	4.20	10.75	2.84	4.26	2.60	1.38	52.34
1868..	2.71	1.70	2.62	6.07	8.08	4.43	1.63	6.23	10.29	1.05	6.42	1.52	52.75
1869..	2.55	2.49	5.78	1.95	5.00	1.47	1.70	1.33	4.26	10.49	4.27	4.13	45.72
1870..	5.14	4.53	4.14	3.84	2.98	3.00	2.97	1.91	2.55	5.53	2.22	1.71	40.52
1871..	0.98	1.76	3.61	2.68	2.11	5.29	4.63	6.12	1.47	4.47	3.71	1.18	38.01
1872..	1.27	0.75	2.84	2.60	3.53	4.12	4.95	5.49	3.14	2.23	4.98	1.68	37.58
1873..	0.26	0.56	4.11	4.38	2.87	1.60	3.04	7.65	3.70	5.73	3.67	2.52	40.09
1874..	5.65	3.60	1.63	6.75	1.88	2.16	6.83	2.94	4.14	1.75	3.45	2.20	42.98
1875..	2.48	2.28	2.18	3.06	1.38	3.39	3.86	9.48	2.03	3.60	4.02	1.71	39.47
1876..	1.61	5.38	5.90	3.79	3.38	1.65	4.61	0.53	5.32	2.19	3.93	2.20	40.69
1877..	1.28	1.04	7.29	2.80	0.78	6.08	4.38	2.77	1.49	8.08	7.10	1.15	44.24
1878..	3.75	2.47	3.40	3.32	5.70	4.01	3.34	2.10	7.17	3.92	4.46	7.15	50.79
1879..	2.49	1.78	3.33	4.68	2.06	4.88	2.38	5.74	3.24	0.80	1.99	3.21	36.58
1880..	3.10	2.28	3.54	3.34	0.94	1.50	4.38	2.80	2.60	2.52	2.34	1.46	30.80
1881..	1.19	4.83	5.08	1.29	3.02	4.73	2.73	2.23	0.92	2.68	4.92	5.77	39.39
1882..	2.99	1.77	7.05	1.34	5.86	2.34	3.82	1.46	11.56	2.26	0.65	2.18	43.28
1883..	2.20	2.82	1.59	3.34	2.50	4.02	3.97	3.83	2.68	5.32	1.37	1.06	31.70
1884..	3.74	9.00	3.72	2.35	3.67	2.49	6.40	3.93	0.95	2.87	3.52	5.10	47.74
1885..	4.10	3.52	0.82	1.69	2.26	1.29	3.64	6.33	1.00	5.20	5.66	3.91	39.42
1886..	5.71	4.45	4.11	3.27	4.13	3.23	3.09	3.42	1.65	2.64	5.25	1.29	42.24
1887 .	3.47	4.57	2.54	2.33	0.49	7.27	8.81	4.04	1.06	4.12	2.81	4.91	46.42
1888..	3.83	4.59	5.16	2.71	5.82	1.11	1.81	7.21	7.62	4.64	3.06	5.45	53.06
1889..	4.15	2.40	1.76	5.13	2.06	3.15	9.28	2.08	5.61	4.50	8.24	2.68	51.04
1890.	0.99	4.38	5.03	2.84	5.05	3.45	5.45	3.66	6.08	5.24	0.90	3.35	46.42
Mean	2.87	3.17	3.75	3.58	3.91	3.58	4.21	4.72	3.85	3.90	3.87	3.16	44.57

ATHENS, GREENE COUNTY, N. Y.—Elevation, 90 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.32	6.45	.....
1902..	0.97	4.52	5.60	2.08	1.85	5.04	6.09	2.66	5.90	3.74	1.11	6.29	45.85
1903..	2.83	3.56	4.21	1.96	0.50	7.93	4.16	7.83	3.24	7.40	1.63	3.46	48.71
1904..	3.38	1.22	2.98	3.38	1.85	5.99	2.77	3.81	6.53	3.83	1.24	1.70	38.68
1905..	2.44	0.98	2.60	2.23	0.41	2.34	1.55	4.50	3.87	3.55	1.09	2.89	28.45
1906..	1.79	1.67	3.86	3.66	3.95	3.44	3.81	3.69	2.70	4.60	2.20	2.83	38.20
1907..	1.85	1.33	0.77	2.02	3.43	3.51	2.03	1.10	11.14	5.80	5.00	4.68	42.66
1908..	2.20	4.36	2.20	2.39	3.98	2.77	4.61	2.58	0.87	3.26	0.35	2.04	31.61
1909..	3.50	5.04	2.04	3.88	3.31	3.60	1.90	4.08	2.98	0.90	1.74	2.62	35.59
Mean	2.37	2.84	3.03	2.70	2.41	4.33	3.36	3.78	4.65	4.14	1.74	3.66	39.01

BEDFORD, WESTCHESTER COUNTY, N. Y.—Elevation, 450 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1891..	**8.50**	**4.20**	**2.60**	3.47	2.00	1.51	4.91	4.08	1.65	2.79	4.45	5.90	46.26
1892..	6.46	1.05	3.06	1.39	5.15	2.85	3.63	4.53	2.14	0.70	8.49	1.41	40.86
1893..	4.02	7.27	4.25	4.12	7.53	1.99	3.38	7.72	2.59	6.07	3.78	**3.30**	56.02
1894..	3.35	5.46	1.27	3.61	5.36	2.07	1.32	1.53	6.34	5.14	4.18	3.86	43.49
1895..	4.09	1.07	2.33	5.37	1.82	4.57	4.67	3.68	1.98	4.10	3.80	3.66	41.14
1896..	1.40	9.51	7.03	0.91	3.16	4.52	7.29	3.14	5.69	2.35	4.69	2.18	51.87
1897..	3.92	3.09	2.72	3.22	9.83	3.10	11.42	4.26	2.75	2.03	5.30	4.23	55.87
1898..	4.46	3.69	2.36	3.63	9.12	1.43	4.88	7.91	1.55	6.16	6.16	2.91	54.26
1899..	3.90	5.71	5.58	2.01	2.36	4.73	6.65	0.89	5.03	1.41	1.55	2.25	42.07
1900..	3.30	7.43	4.39	1.64	4.51	2.17	4.55	2.66	3.81	5.50	5.16	2.54	47.66
1901..	1.72	0.98	6.02	10.65	**6.90**	1.01	5.52	15.36	5.41	3.57	1.56	8.28	66.98
1902..	2.50	5.95	4.33	4.46	3.65	4.75	3.78	1.48	8.35	6.19	2.02	5.30	52.76
1903..	2.33	5.60	3.53	1.91	0.24	10.46	1.85	8.42	4.80	6.93	2.79	3.86	52.72
1904..	2.19	.....	3.25	4.55	4.06	2.19	2.07	6.28	2.40	2.11	1.90	3.75	.....
1905..	5.12	1.82	3.36	3.14	1.03	6.59	4.71	7.17	3.60	3.98	1.96	3.20	45.68
1906..	1.94	2.03	4.53	3.96	4.99	3.57	5.39	3.54	3.23	4.63	1.44	3.57	42.82
1907..	2.40	2.18	1.86	2.68	4.50	5.04	1.60	1.40	12.50	5.85	6.27	4.33	50.61
1908..	3.82	5.80	2.85	1.42	5.83	1.34	4.44	7.99	1.19	1.49	0.47	2.89	39.53
1909..	3.59	4.58	4.11	5.11	1.88	2.89	2.78	6.21	3.52	1.15	2.38	3.86	42.06
Mean	3.63	4.30	3.66	3.54	4.42	3.51	4.47	5.17	4.13	3.80	3.60	3.75	47.98

CHATHAM, COLUMBIA COUNTY, N. Y.—Elevation, 470 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1854..	1.10	2.80	.....	14.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
1855 } 1899 }	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1900..	.....	.....	.....	.....	.....	.....	.....	.....	1.94	3.18	3.73	2.14	.....
1901..	3.02	0.85	2.63	5.06	6.81	2.37	4.08	7.59	3.77	2.29	2.10	5.22	45.79
1902..	1.14	2.21	3.47	3.25	2.99	7.01	8.47	3.23	6.14	4.57	0.90	3.40	46.78
1903..	1.67	2.61	3.51	2.05	1.25	10.86	8.15	7.30	1.72	6.87	2.45	2.60	51.04
1904..	2.70	**3.00**	**2.20**	**3.60**	**1.70**	**5.04**	1.53	3.90	5.32	3.50	2.01	1.46	35.96
1905..	3.11	1.04	3.36	2.12	0.94	4.62	2.08	5.33	2.75	3.13	1.58	2.55	32.61
1906..	1.43	2.82	2.24	3.30	4.08	3.53	5.37	5.18	2.94	3.22	1.67	2.08	37.86
1907..	2.12	1.44	0.84	1.98	3.54	3.77	3.34	0.67	7.62	6.82	3.68	4.16	39.98
1908..	2.29	2.76	2.04	1.82	3.77	3.10	2.87	2.57	0.81	2.25	0.66	1.56	26.50
1909..	3.73	3.23	2.76	3.30	2.76	6.06	1.89	3.72	3.30	0.87	1.23	2.04	34.89
Mean	2.23	2.28	2.56	4.05	3.09	5.15	4.20	4.39	3.63	3.67	2.00	2.72	39.97

NOTE.—The record from September, 1900, to June, 1904, was made at Canaan, Four Corners, about 10 miles northeast of Chatham.

BOYDS CORNERS, PUTNAM COUNTY, N. Y.—Elevation, 560 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1866..	.....	.....	.....	.....	.....	4.45	4.01	6.56	4.92	5.09	3.80	3.27	.....
1867..	2.11	3.00	1.49	3.74	6.86	5.28	5.25	10.04	3.62	3.66	3.10	2.62	50.77
1868 .	2.90	1.38	2.55	3.87	8.79	4.53	2.13	6.98	9.33	0.87	4.65	2.35	50.33
1869..	3.79	3.64	5.48	2.11	4.52	3.59	2.26	1.92	3.20	9.46	2.43	5.96	48.36
1870..	4.51	6.40	3.80	5.45	2.30	2.06	3.43	5.10	2.85	4.73	2.51	1.49	44.63
1871..	3.80	3.81	4.27	3.01	3.45	5.73	5.07	5.24	1.44	6.18	4.35	2.58	48.93
1872..	1.44	1.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1873 } 1886 }	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1887..	5.68	5.95	3.60	3.47	0.32	7.70	13.55	6.85	1.90	3.12	2.69	6.71	61.54
1888..	5.56	5.07	6.44	2.68	6.17	2.19	2.24	6.87	10.77	4.80	4.49	6.13	63.41
1889..	5.14	2.33	1.86	4.42	3.22	4.76	7.19	2.90	6.13	5.09	8.01	2.94	53.99
1890..	1.97	4.94	5.66	3.03	5.74	3.56	5.46	4.70	6.86	7.63	1.12	3.69	54.36
1891..	9.76	6.00	3.36	3.77	1.36	1.81	3.03	5.61	1.87	2.21	3.86	5.65	48.29
1892..	5.95	1.22	3.92	1.08	5.74	3.84	5.05	6.13	2.65	0.92	7.85	1.15	45.50
1893..	4.03	8.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1894..	.....	.....	.....	.....	.....	.....	.....	1.45	.....	.....	.....	.....	.....
1895..	.....	.....	.....	.....	.....	.....	.....	.....	1.06	3.55	2.98	4.85	.....
1896..	1.09	8.41	8.30	1.13	3.48	3.47	3.98	4.60	6.54	2.21	3.96	2.72	49.89
1897..	4.07	3.14	3.68	2.78	5.56	3.41	12.51	5.63	1.74	2.01	6.31	6.56	57.40
1898..	4.68	5.21	2.64	3.84	7.37	1.50	4.78	7.66	2.17	4.84	6.81	3.17	54.67
1899..	3.37	5.54	7.56	1.99	1.80	5.38	5.99	0.48	8.86	1.49	2.05	2.75	47.26
1900..	4.18	7.97	6.39	1.92	6.34	2.63	4.36	1.54	3.27	4.26	4.91	2.58	50.35
1901..	1.69	0.94	7.24	8.48	7.91	1.61	7.07	8.21	4.68	3.30	2.15	9.53	62.81
1902..	2.77	6.81	7.49	4.47	3.44	4.68	3.81	2.91	6.13	5.38	0.91	7.59	56.39
1903..	4.52	5.70	6.30	2.68	1.25	11.81	3.54	9.10	2.61	8.59	2.48	4.67	63.25
1904..	4.52	3.22	3.77	4.23	4.99	2.40	6.73	5.16	7.21	4.00	1.78	3.48	51.49
1905..	6.54	1.82	3.98	2.74	1.05	4.87	3.73	5.09	5.67	3.25	2.63	4.04	45.41
1906..	2.55	2.74	6.85	5.41	4.50	4.19	6.92	3.60	2.92	5.24	1.57	4.09	50.58
1907..	3.85	2.86	**1.96**	4.25	4.39	5.64	1.64	1.96	9.77	8.76	5.87	5.66	56.60
1908..	3.97	6.27	3.46	2.13	7.37	2.22	2.50	4.59	1.04	2.09	0.90	3.57	40.11
1909..	4.78	6.04	4.57	6.67	2.49	3.85	3.17	7.55	4.31	1.23	2.83	4.06	51.55
Mean	4.05	4.43	4.66	3.57	4.42	4.12	4.98	5.13	4.57	4.22	3.59	4.22	51.96

CARMEL, PUTNAM COUNTY, N. Y.—Elevation, 500 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1888..	.....	.....	.....	.....	.....	2.33	2.22	6.49	10.92	4.39	.....	.....	.....
1889..	5.28	2.08	2.89	3.91	3.04	4.06	9.52	3.69	6.03	4.19	8.74	.....	.....
1890..	2.76	4.56	5.59	2.96	6.06	3.26	5.05	4.44	7.80	6.76	1.33	3.99	54.56
1891..	9.71	5.91	3.39	3.14	1.30	1.83	3.65	4.80	1.67	2.23	3.57	5.14	46.34
1892..	6.12	1.12	3.81	0.95	5.41	3.22	6.46	7.41	2.33	1.10	7.37	0.79	46.09
1893..	3.51	7.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1894..	.....	.....	.....	.....	.....	.....	.....	2.53	.....	.....	.....	.....	.....
1895..	.....	.....	.....	.....	.....	.....	.....	.....	0.81	3.60	4.95	4.62	.....
1896..	1.10	7.69	6.90	1.20	2.79	3.32	3.54	4.32	5.18	2.63	3.43	2.10	44.20
1897..	3.45	2.76	3.34	3.05	5.96	3.23	16.64	4.90	1.74	0.89	6.22	5.22	57.40
1898..	4.97	4.64	2.43	3.78	7.13	1.23	3.80	12.87	2.38	4.69	6.51	3.31	57.74
1899..	3.59	5.76	7.02	1.66	1.68	6.73	5.28	0.53	7.78	1.02	2.02	2.67	45.74
1900..	4.06	8.39	5.44	2.13	6.51	2.60	3.87	2.30	3.54	3.83	5.26	2.77	50.70
1901..	1.65	0.81	7.89	7.93	7.49	1.33	8.52	7.74	5.81	4.15	2.08	9.46	64.86
1902..	2.92	5.13	5.93	4.66	3.49	4.98	5.21	2.76	6.79	6.32	0.89	7.30	56.38
1903..	4.81	5.55	5.90	2.63	1.80	12.70	2.44	8.29	2.69	8.45	3.35	4.91	63.52
1904..	3.82	3.39	4.08	4.80	3.79	2.44	6.11	6.50	7.73	3.64	2.04	3.26	51.60
1905..	6.30	1.77	4.51	3.18	0.97	5.93	3.79	6.38	5.03	3.12	2.42	3.96	47.36
1906..	2.59	2.74	6.85	5.41	4.50	4.19	6.92	3.60	2.92	5.24	1.57	4.09	50.62
1907..	3.68	2.84	**1.96**	4.07	4.77	4.84	2.06	3.03	10.27	9.43	5.69	5.26	57.90
1908..	3.50	5.16	3.22	1.81	6.33	2.25	2.56	6.32	0.84	1.76	1.05	3.72	38.52
1909..	4.79	6.72	4.16	7.22	3.02	3.43	3.43	6.76	4.40	1.08	2.84	4.06	51.91
Mean	4.14	4.45	4.74	3.58	4.22	3.89	5.32	5.28	4.83	3.93	3.75	4.26	52.39

GROTON DAM, WESTCHESTER COUNTY, N. Y.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1860..	1.01	1.86	2.06	2.54	2.52	3.03	6.60	5.63	4.63	2.96	6.75	3.12	42.71
1861..	2.79	2.19	4.44	6.75	5.75	2.88	3.62	5.18	6.29	4.46	6.30	1.13	51.78
1862..	4.75	2.88	2.17	0.55	2.83	4.86	5.42	2.18	2.35	3.37	5.35	0.68	37.39
1863..	4.08	0.15	3.16	3.86	3.54	0.52	10.27	4.38	1.39	5.02	4.37	4.10	44.84
1864..	1.84	1.49	2.16	3.04	4.86	1.76	2.42	6.40	3.66	2.97	3.48	3.01	37.09
1865..	3.43	2.86	5.12	2.95	7.38	3.41	8.12	3.05	2.23	4.56	3.15	3.87	50.13
1866..	0.59	5.58	2.15	2.69	4.98	4.41	5.27	5.50	6.16	4.44	3.87	4.14	49.78
1867..	0.72	4.18	2.46	3.13	7.26	7.19	5.22	8.79	3.66	4.74	3.42	1.71	52.48
1868..	2.78	0.98	3.91	5.02	13.78	7.70	3.65	13.05	20.47	0.63	7.14	2.45	81.56
1869..	3.96	5.75	9.51	3.38	6.72	1.19	2.06	1.97	2.64	8.93	7.23	5.80	59.61
1870..	9.51	4.42	7.23	4.95	2.71	4.61	2.75	7.71	2.41	7.62	3.74	1.95	59.14
1871..	1.14	4.60	6.09	6.50	5.84	14.36	7.22	10.04	1.42	7.93	8.28	1.94	75.36
1872..	2.23	1.87	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	2.99	2.99	4.20	3.78	5.68	4.66	5.22	6.16	4.78	4.80	5.26	2.82	53.34

FISHKILL LANDING, DUTCHESS COUNTY, N. Y.—Elevation, 42 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1856..	2.30	0.65	1.30	2.95	1.97	.....	.....	.....	.....	.....	.....	3.35	.....
1857..	3.25	0.95	....	.....	.....	.....	.....	.....	.....	....	.....	.....	.....
1858..	1.86	0.80	0.90	2.40	4.10	3.80	3.00	3.60	1.40	2.30	4.30	1.60	30.06
1859..	4.23	2.84	3.87	3.38	4.19	4.48	1.47	2.90	6.71	1.21	3.43	3.13	41.84
1860..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1861..	2.86	1.52	4.05	6.22	2.60	1.12	3.90	5.99	4.23	1.84	4.78	1.65	40.76
1862..	6.85	3.57	3.45	1.20	1.86	11.17	4.35	2.99	1.30	3.82	3.42	3.35	47.33
1863..	.....	4.65	5.70	.....	3.32	1.91	9.11	3.86	1.93	4.36	4.61	3.38	.....
1864..	1.67	0.95	3.70	3.29	3.14	1.24	2.37	9.56	3.62	1.71	3.76	3.70	38.71
1865..	2.82	2.81	4.61	2.37	7.25	3.78	4.44	1.56	1.48	3.05	3.46	3.18	40.81
1866..	0.99	1.73	0.80	1.92	4.72	4.41	3.40	4.75	4.62	3.03	.....	.....	.....
Mean	2.98	2.05	3.15	2.97	3.68	3.99	4.00	4.40	3.16	2.66	3.97	2.92	39.93

DEAF AND DUMB INSTITUTE, NEW YORK COUNTY, N. Y.—Elevation, 159 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1846.	3.91	8.22	3.42	2.22	9.75	2.06	7.19	3.59	0.87	2.35	8.35	3.32	55.25
1847-8	......	......	......	......	......	......	......	......	......	......	......	......	.....
1849..	0.65	2.60	5.19	1.05	3.60	0.66	2.56	2.84	3.31	5.98	2.57	4.62	35.63
1850..	5.09	2.80	6.35	2.36	6.66	2.60	4.19	5.52	4.47	1.44	3.95	4.88	50.31
1851-3	......	......	......	......	......	......	......	......	......	......	......	......	.....
1854..	2.23	4.81	1.42	10.11	4.28	2.29	2.81	1.75	4.15	2.75	4.39	2.13	43.12
1855..	4.77	5.12	2.33	2.86	4.90	5.83	5.46	2.90	1.51	7.37	3.00	6.88	52.93
1856..	3.98	0.66	2.08	2.72	4.78	3.58	4.26	6.73	2.50	1.18	2.50	4.45	39.42
1857..	4.99	1.69	2.32	9.05	6.72	5.43	6.13	3.90	3.84	......	1.30	6.42	.....
1858..	3.80	3.30	1.47	4.83	6.00	6.42	4.32	3.15	3.50	4.19	5.99	4.90	51.87
1859..	5.74	5.51	8.21	5.10	1.57	4.60	4.76	4.12	6.45	1.75	3.37	4.42	55.60
1860..	2.52	3.28	1.60	3.21	4.54	1.07	3.33	3.85	8.30	4.97	5.42	4.05	46.14
1861..	4.81	2.44	5.65	5.62	6.03	4.26	2.89	5.52	6.57	3.46	8.09	1.73	57.07
1862..	5.60	3.93	4.54	1.86	3.84	9.03	5.85	2.15	2.25	6.86	5.63	1.91	53.45
1863..	5.45	7.04	5.77	5.69	4.57	1.43	8.60	4.59	1.05	4.09	3.88	4.86	57.02
1864..	2.92	2.04	2.15	3.28	5.24	4.41	3.20	5.19	5.85	2.68	5.16	5.88	48.00
1865..	3.41	4.06	8.20	4.14	5.56	10.42	5.21	2.23	4.21	4.94	4.14	6.30	62.82
1866..	2.56	9.30	2.28	4.09	4.46	4.38	......	4.81	4.85	5.28	3.84	3.92	.....
1867..	2.54	5.50	4.09	2.47	5.70	10.18	5.76	7.70	0.78	5.12	2.25	2.56	54.65
1868..	4.00	2.31	3.27	6.42	7.19	5.83	6.44	8.31	9.60	2.01	5.13	4.27	64.78
1869..	4.18	7.28	5.84	1.57	5.45	4.72	3.18	1.85	3.94	6.78	3.25	5.79	53.83
1870..	5.10	4.47	3.53	5.61	3.08	2.85	4.72	3.79	2.38	5.72	2.41	2.83	46.49
Mean	3.91	4.32	3.99	4.21	5.20	4.60	5.05	4.22	4.02	4.10	4.23	4.31	52.16

FORDHAM, WESTCHESTER COUNTY, N. Y.—Elevation, 142 feet.

1856..	......	......	......	......	......	......	3.65	......	0.58	7.50	......	3.65	.....
1857..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1858..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1859..	......	......	......	......	......	......	......	......	......	1.41	2.29	......	.....
1860..	1.94	1.70	1.65	3.12	2.92	0.73	3.54	7.43	5.61	2.92	6.57	2.88	41.01
1861..	3.87	2.21	4.20	5.21	5.11	3.56	2.18	4.25	4.29	3.57	5.30	1.69	45.44
1862..	4.45	3.25	4.60	3.28	3.36	7.19	4.93	2.59	1.91	5.24	1.57	4.55	46.92
1863..	4.41	5.74	5.77	3.91	4.87	0.95	6.25	2.40	0.82	3.30	3.55	4.89	46.86
1864..	2.06	1.00	2.65	3.89	5.17	3.08	2.20	5.98	5.19	2.70	4.82	3.05	41.79
1865..	3.60	4.54	5.83	3.81	5.51	4.88	6.26	2.35	1.85	4.85	4.14	4.95	52.57
1866..	1.48	5.76	2.47	3.25	4.09	3.21	4.26	5.76	3.96	5.03	2.80	3.87	45.94
1867..	1.32	5.87	3.63	2.96	6.34	9.24	4.34	11.04	0.66	5.87	2.59	2.43	56.29
1868..	4.03	2.91	4.34	6.92	7.30	5.87	9.28	4.51	9.40	1.30	5.32	3.26	64.44
1869..	3.68	7.50	6.33	1.85	5.29	6.33	3.28	3.13	3.00	8.45	3.58	5.64	58.06
1870..	6.06	3.95	5.22	4.77	2.05	2.07	3.33	4.46	3.04	5.19	2.81	2.11	45.09
1871..	2.64	3.38	6.21	3.51	4.13	9.01	5.41	4.75	2.15	8.30	6.20	2.18	57.90
1872..	3.24	1.30	......	......	......	......	......	......	......	......	......	......	.....
Mean	3.29	3.78	4.41	3.87	4.68	4.68	4.53	4.89	3.27	4.69	3.97	3.47	49.53

GOSHEN (Farmers Hall), ORANGE COUNTY, N. Y.—Elevation, 425 feet.

1835..	3.30	0.95	1.69	3.42	1.60	3.32	2.59	1.54	1.36	1.61	1.69	2.55	25.62
1836..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1837..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1838..	2.60	1.95	3.60	0.48	3.88	4.20	1.85	2.20	4.80	2.15	2.00	1.10	30.81
1839..	2.60	3.35	2.25	1.60	2.55	3.60	3.30	3.90	3.70	6.00	1.00	6.60	40.45
1840..	4.75	2.66	2.50	4.20	3.50	2.95	1.83	2.21	3.03	3.80	2.30	3.55	37.28
1841..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1842..	0.90	3.41	1.77	3.85	3.90	6.10	4.00	2.90	2.10	1.50	4.30	3.40	38.13
1843..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1844..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1845..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1846..	2.79	3.13	3.64	1.10	4.81	2.06	6.79	3.86	0.35	2.09	5.25	2.20	38.07
1847..	2.90	3.10	3.00	0.75	2.64	2.00	2.55	1.30	6.20	1.25	1.00	6.30	32.99
1848..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1849..	0.90	1.90	2.40	1.00	4.65	1.70	0.70	3.40	1.80	6.70	1.20	1.80	28.15
Mean	2.59	2.56	2.61	2.05	3.44	3.24	2.95	2.66	2.92	3.14	2.34	3.44	33.94

HONEYMEAD BROOK, DUTCHESS COUNTY, N. Y.—Elevation, 450 feet.

1884..	3.25	3.02	4.35	1.91	2.90	1.22	5.73	2.99	1.21	2.31	4.04	4.07	37.00
1885..	4.56	2.72	1.05	2.06	2.45	1.71	3.65	8.55	0.76	4.66	4.11	2.31	38.59
1886..	3.52	1.98	2.84	2.96	3.25	2.17	2.74	1.35	3.28	2.53	4.58	3.28	34.48
1887..	4.16	4.13	2.82	2.26	0.94	4.80	7.17	5.51	4.31	2.17	2.90	4.01	45.18
1888..	2.85	2.89	3.82	1.56	2.97	1.91	2.74	4.79	7.89	4.42	2.81	4.08	42.73
1889..	3.45	1.38	1.15	2.48	4.15	3.40	8.99	3.09	4.47	3.68	4.87	2.47	43.58
1890..	2.11	2.74	4.30	1.75	4.64	3.46	5.17	7.41	5.89	6.45	0.80	3.38	48.10
1891..	6.91	3.90	2.30	3.58	1.41	3.90	5.54	2.64	1.22	1.70	2.10	3.74	38.94
1892..	4.78	1.21	2.66	0.71	6.01	3.46	4.13	7.41	2.36	0.92	4.86	1.02	39.53
1893..	2.69	7.43	3.08	2.93	7.21	1.88	4.12	5.31	4.53	3.73	1.94	3.83	48.68
1894..	2.23	3.14	1.59	2.86	5.85	2.53	2.56	0.96	3.87	4.06	2.66	4.63	36.94
1895..	3.11	1.55	1.78	4.25	2.39	3.83	2.44	1.73	2.87	4.88	3.61	3.30	35.74
1896..	0.91	5.47	5.34	0.83	3.17	2.40	7.60	4.35	7.21	2.96	2.24	1.47	43.95
1897..	2.36	2.61	2.56	3.33	4.44	4.55	14.55	4.42	1.62	0.93	5.07	5.39	51.83
1898..	4.92	2.32	2.56	3.63	7.14	2.73	2.78	7.35	5.61	3.98	4.71	2.14	49.87
1899..	2.75	4.00	6.45	0.51	1.78	2.66	9.44	1.81	5.66	0.35	2.23	1.85	39.49
1900..	2.89	5.05	3.91	1.90	2.85	3.15	5.02	2.15	1.22	2.71	4.12	2.50	37.47
1901..	1.38	0.63	3.68	6.78	5.39	2.55	6.78	......	3.76	2.06	1.84	5.80	.....
1902..	2.55	3.54	3.96	4.41	3.03	4.87	6.74	1.31	6.62	4.12	0.60	5.80	47.55
1903..	2.84	4.27	3.83	2.02	1.20	12.23	3.82	8.26	1.39	8.25	2.31	4.06	54.48
1904..	4.18	......	......	......	......	......	......	......	......	......	......	......	.....
Mean	3.26	3.20	3.20	2.64	3.66	3.47	5.59	4.28	3.79	3.34	3.12	3.46	43.01

HUDSON ACADEMY, COLUMBIA COUNTY, N. Y.—Elevation, 150 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1827..	2.47	2.26	1.28	4.55	3.31	2.60	3.67	4.20	4.75	4.30	3.58	2.90	39.87
1828..	2.40	5.30	2.90	2.24	3.25	7.87	3.21	0.85	7.89	1.25	5.72	1.37	44.25
1829..	3.73	3.30	2.10	3.80	1.69	3.15	4.56	1.41	0.66	2.76	2.49	3.82	33.47
1830..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1831..	4.50	3.50	1.55	4.25	2.95	3.60	3.78	5.61	4.30	6.09	2.25	2.27	44.65
1832..	4.10	3.27	4.15	4.30	1.20	2.36	6.34	3.60	4.30	4.15	3.40	4.40	45.57
1833..	2.95	2.00	2.80	0.90	5.90	3.20	5.00	4.12	2.75	8.40	1.40	3.10	42.52
1834..	1.45	0.40	1.04	5.85	4.86	4.10	3.20	0.95	0.95	2.35	1.16	4.18	30.49
1835..	4.60	0.65	2.45	4.50	2.29	5.79	4.09	3.56	1.88	1.65	1.65	1.19	34.30
1836 1841	......	......	......	......	......	......	......	......	......	......	......	......	.....
1842..	0.92	2.89	1.81	2.65	1.62	3.45	4.07	4.77	3.59	2.85	2.48	4.47	35.57
1843..	2.17	4.80	5.42	2.31	1.51	4.58	2.81	6.15	1.57	5.91	1.94	0.62	39.79
1844..	2.60	1.02	2.94	0.81	3.82	3.93	5.89	1.71	1.52	3.41	0.86	3.97	32.48
1845..	3.00	1.30	2.32	1.54	2.10	1.46	3.12	1.36	2.37	1.73	3.69	2.89	26.88
1846..	1.95	0.82	4.04	0.45	3.77	1.41	3.74	1.49	0.73	2.00	2.98	2.34	25.72
1847..	3.77	3.67	4.53	0.92	1.98	4.27	2.38	2.88	4.33	3.72	0.98	4.76	38.19
1848..	1.59	1.48	1.76	0.42	5.02	5.49	1.50	2.40	2.08	4.74	2.78	3.88	33.14
1849..	0.73	0.62	3.25	1.18	4.74	1.57	1.23	2.62	0.08	8.36	4.15	1.01	29.54
1850..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1851..	......	......	......	......	......	......	......	......	2.09	2.94	3.86	1.15	.....
1852..	1.74	2.06	2.68	3.52	1.59	1.98	5.11	5.09	1.88	2.75	4.42	3.32	36.15
1853..	3.04	3.18	1.74	3.91	7.49	2.16	3.44	5.72	7.51	2.62	1.82	13.00	55.62
1854..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1855..	6.56	7.97	5.95	5.18	5.07	9.16	6.41	2.64	4.60	7.93	6.00	8.77	76.24
1856 1868	......	......	......	......	......	......	......	......	......	......	......	......	.....
1869..	......	......	......	......	......	3.72	3.66	2.40	3.68	14.40	1.72	3.95	.....
1870..	2.49	......	......	......	......	......	......	......	......	......	......	......	.....
1871 1875	......	......	......	......	......	......	......	......	......	......	......	......	.....
1876..	......	......	4.48	3.85	19.40	......	......	......	......	9.20	3.45	......	.....
1877.	......	13.00	4.68	16.00	......	......	......	......	......	......	......	......	.....
Mean	2.84	3.17	3.04	3.48	4.18	3.79	3.86	3.18	3.02	4.70	2.85	3.68	41.79

KINDERHOOK, COLUMBIA COUNTY, N. Y.—Elevation, 125 feet.

1830..	1.11	0.98	4.46	2.59	4.08	7.32	2.34	0.55	2.11	2.59	4.22	4.57	39.92
1831..	2.12	2.57	2.55	5.58	2.95	5.62	4.50	6.04	3.94	3.74	2.51	0.70	42.82
1832..	4.22	3.08	3.76	4.07	3.95	4.04	10.19	3.91	3.94	3.68	3.93	2.69	51.46
1833..	1.65	2.06	2.01	1.11	4.78	3.23	4.71	4.03	3.79	7.76	1.10	3.63	39.86
1834..	1.12	0.53	0.82	3.32	4.60	2.53	3.72	0.78	1.41	4.03	1.07	2.02	25.95
1835..	3.73	1.31	2.65	3.74	1.73	9.70	4.03	4.55	1.03	1.38	1.91	1.24	37.00
1836..	2.33	2.80	1.81	2.32	1.72	4.77	4.10	2.83	1.75	4.52	1.75	5.24	35.94
1837..	1.10	0.81	4.24	2.47	6.17	5.65	2.62	2.08	0.99	2.04	0.85	2.10	31.12
1838..	1.33	1.34	1.40	1.81	3.39	5.48	4.02	4.17	4.78	3.65	2.97	0.21	34.55
1839..	1.63	0.32	0.60	4.74	5.08	3.00	6.57	1.69	1.85	1.05	3.30	4.32	34.15
1840..	1.75	1.79	1.97	2.26	1.36	2.78	3.04	4.20	4.43	3.51	3.19	3.13	33.41
1841..	4.81	0.39	1.33	3.83	1.86	2.93	2.11	3.86	3.29	1.29	3.12	3.82	32.64
1842..	1.05	2.35	2.08	4.79	1.10	3.72	5.04	4.90	6.16	3.95	2.75	3.08	40.97
1843 .	1.67	2.03	3.60	3.84	2.15	6.58	3.67	3.70	2.13	5.05	2.22	1.86	38.50
1844..	2.16	0.99	3.35	0.86	5.84	4.18	5.68	2.69	2.15	3.83	2.01	3.65	37.69
1845..	3.03	1.83	2.79	2.37	3.18	2.15	2.77	2.55	3.47	3.01	4.80	2.52	34.47
1846..	2.72	0.90	2.79	0.81	3.98	2.67	4.93	2.35	0.79	0.26	4.08	2.06	28.39
Mean	2.21	1.53	2.48	2.97	3.41	4.49	4.36	3.23	2.84	3.26	2.69	2.76	36.23

KINGSTON, ULSTER COUNTY, N. Y.—Elevation, 188 feet.

1829..	4.53	3.06	3.60	4.98	2.44	2.89	5.82	1.66	2.12	3.32	2.57	2.00	38.99
1830..	1.93	1.07	3.76	3.33	5.16	4.32	3.45	0.75	1.60	2.72	7.00	5.06	40.15
1831..	3.66	4.38	3.62	4.48	3.16	6.87	4.13	1.23	2.30	4.37	2.80	4.35	48.35
1832..	5.26	4.15	2.86	2.50	2.36	2.85	4.09	4.94	0.79	3.15	3.38	1.92	38.25
1833..	4.92	3.19	2.82	2.57	5.03	4.40	4.94	2.30	2.47	4.50	3.70	3.20	44.04
1834..	2.85	1.41	2.92	2.70	3.48	6.67	5.02	1.21	2.39	2.06	1.58	3.56	35.85
1835..	3.94	1.20	2.33	5.98	1.70	4.21	4.65	2.79	1.23	1.41	2.30	2.15	33.94
1836..	3.15	1.95	1.54	1.91	2.98	4.65	5.15	1.43	2.76	3.17	3.13	5.30	37.12
1837..	1.15	0.80	5.75	1.40	6.68	5.40	3.85	2.30	1.57	1.95	0.78	2.40	34.03
1838..	2.08	1.50	2.28	1.57	6.25	4.90	1.47	5.60	4.80	2.18	3.61	1.00	37.24
1839..	2.45	1.60	1.38	2.55	4.71	2.78	5.62	2.35	2.80	0.65	3.10	4.03	34.02
1840..	1.95	1.52	3.03	3.25	2.20	2.70	1.82	2.90	2.15	5.65	2.66	2.92	32.75
1841..	4.73	0.85	2.05	4.40	1.35	4.10	4.58	4.17	1.41	2.11	4.17	2.93	36.85
1842..	3.24	2.30	2.15	0.70	0.30	2.60	6.87	5.80	1.53	0.42	7.55	4.44	37.90
1843-4	......	......	......	......	......	......	......	......	......	......	......	......	.....
1845..	4.30	3.70	3.80	1.70	2.25	1.80	3.70	1.10	2.55	3.75	2.25	2.65	33.55
1846..	2.95	1.00	4.80	0.60	4.80	2.50	4.30	3.50	0.50	2.00	5.30	3.10	35.35
1847..	3.60	4.40	3.20	1.10	2.60	4.60	3.00	1.70	6.20	2.70	2.20	4.90	40.20
1848..	2.70	2.50	2.60	0.20	8.90	3.63	4.80	0.65	2.85	5.00	2.40	4.72	40.95
1849..	2.65	1.55	2.08	2.15	4.98	1.21	0.60	4.70	1.50	8.02	5.27	2.77	37.48
1850 1887	......	......	......	......	......	......	......	......	......	......	......	......	.....
1888..	......	......	......	......	......	......	......	......	......	......	......	3.15	.....
1889..	4.60	1.98	0.87	2.71	3.30	5.46	9.05	2.83	4.24	4.12	6.07	4.41	49.64
1890..	2.10	3.76	5.77	1.62	6.51	1.96	1.84	9.46	4.26	5.28	0.67	4.00	47.23
1891..	11.38	4.11	5.18	2.40	1.68	3.92	6.43	4.17	1.77	3.63	3.10	3.43	51.20
1892..	5.27	1.66	3.58	0.72	5.39	4.66	3.80	8.34	2.06	0.89	5.57	1.07	43.01
1893..	5.63	8.71	4.60	4.20	7.78	2.91	2.12	5.50	4.22	3.32	2.20	3.20	54.39
1894..	1.50	3.90	1.70	3.00	4.01	......	......	......	......	......	......	......	.....
Mean	3.70	2.65	3.13	2.51	4.00	3.83	4.21	3.39	2.50	3.31	3.47	3.31	40.01

NOTE.—Record from December, 1888, to October, 1894, made at Rondout, Henry A. Stone, observer.

MOHONK LAKE, ULSTER COUNTY, N. Y.—Elevation, 1,245 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	1.49	4.99	11.07	1.30	2.11	2.22	4.32	2.70	6.64	3.11	4.79	1.90	46.64
1897..	1.89	3.02	4.00	2.12	3.92	2.29	14.71	4.11	1.89	1.06	5.10	5.44	49.55
1898..	5.07	5.09	2.93	2.66	4.28	2.07	3.90	8.19	2.50	3.90	2.16	......	.....
1899..	1.70	3.35	6.77	1.57	1.50	3.62	6.32	1.52	8.90	0.30	2.45	1.68	40.18
1900..	2.61	6.00	5.41	3.26	......	1.94	4.63	5.23	3.55	......	4.69	2.66	.....
1901..	1.82	0.95	6.03	11.32	8.75	2.77	4.46	9.53	3.81	1.62	2.49	6.88	60.43
1902..	3.44	4.32	6.32	4.09	2.78	5.57	9.75	2.86	7.69	5.90	1.17	6.86	60.75
1903..	3.13	5.56	4.60	3.03	0.88	12.44	4.02	10.80	1.71	8.90	2.33	2.35	59.75
1904..	2.90	1.39	3.94	3.75	2.99	5.03	2.90	7.90	7.37	4.13	1.27	2.27	45.84
1905..	4.60	1.05	2.84	2.28	1.32	3.02	4.75	4.32	7.60	1.97	1.98	3.38	39.11
1906..	2.96	2.81	3.28	5.16	4.83	3.90	5.78	3.83	3.20	3.75	1.83	5.52	46.85
1907..	4.84	2.57	1.97	2.12	4.16	4.15	2.84	1.88	9.01	7.22	4.93	5.61	51.30
1908..	1.98	4.69	1.57	2.81	9.55	3.80	4.78	2.84	1.35	3.21	0.65	2.85	40.08
1909..	4.94	6.28	3.34	5.00	3.17	3.88	2.24	6.34	5.64	1.22	1.52	4.93	48.50
Mean	3.10	3.71	4.58	3.60	3.86	4.05	5.39	5.15	5.06	3.60	2.67	4.03	48.80

MIDDLETOWN, ORANGE COUNTY, N. Y.—Elevation, 700 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890..	2.06	4.26	4.26	2.62	7.23	4.63	4.76	8.34	4.25	6.52	1.29	2.95	53.17
1891..	8.00	4.79	3.37	1.97	1.91	1.53	4.98	4.32	1.63	1.93	3.66	3.86	41.95
1892..	4.21	1.41	3.87	1.48	5.34	3.71	4.05	3.37	1.41	0.70	5.58	1.35	36.48
1893..	3.28	6.60	3.86	3.57	......	......	2.23	5.68	2.54	3.10	2.59	3.03	.....
1894..	2.08	3.96	1.58	2.97	5.33	3.56	4.67	1.60	7.00	5.58	3.00	2.46	43.79
1895..	.....	.....	......	4.28	......	......	......	......	......	6.11	5.65	1.68	.....
1896..	1.89	7.00	8.09	1.40	2.66	6.31	5.07	2.50	5.15	3.52	5.20	1.40	50.42
1897..	......	......	......	......	2.92	3.20	9.14	3.85	2.86	0.73	5.05	5.71	.....
1898..	4.40	5.09	3.59	3.86	4.86	3.84	6.45	9.63	1.74	4.82	4.99	3.82	57.09
1899..	3.23	6.01	7.17	1.46	1.89	6.01	8.29	2.23	7.89	0.84	2.49	2.22	49.73
1900..	2.51	5.69	3.37	1.79	3.44	4.12	6.05	1.88	2.23	2.16	3.46	3.17	39.87
1901..	1.95	1.50	5.86	9.11	6.90	1.42	5.52	8.50	4.52	1.70	2.17	6.74	55.89
1902..	1.75	4.91	3.72	4.63	2.92	3.38	5.00	4.49	5.53	4.48	0.85	6.48	48.14
1903..	2.57	4.31	3.35	3.59	0.34	12.06	4.04	9.01	2.30	9.05	1.78	4.39	56.82
1904..	2.81	3.04	2.80	3.66	5.80	3.63	3.60	4.92	6.76	3.98	1.50	2.86	45.36
1905..	4.86	1.25	3.21	1.98	1.23	2.52	2.93	4.18	7.06	2.67	2.27	3.18	37.34
1906..	2.05	2.23	3.67	4.38	5.02	2.85	7.81	2.72	2.74	3.19	1.72	3.97	42.35
1907..	3.14	1.95	3.93	2.42	3.31	3.75	2.70	2.18	8.42	6.30	5.02	3.36	46.48
1908..	2.46	4.26	4.30	1.91	7.16	2.44	3.41	3.58	1.33	......	......	......	.....
Mean	3.13	4.02	4.12	3.17	4.03	4.06	5.04	4.61	4.19	3.74	3.24	3.48	46.83

MONTGOMERY ACADEMY, ORANGE COUNTY, N. Y.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1828..	1.56	2.57	2.60	3.35	2.60	4.77	8.64	2.88	4.88	2.11	3.95	0.45	40.36
1829..	4.00	3.62	2.49	5.25	1.25	2.73	4.13	2.06	1.10	1.98	2.09	0.75	31.45
1830..	2.80	1.74	3.04	3.72	2.30	5.39	3.22	1.60	1.50	4.00	7.93	3.75	40.99
1831..	3.39	1.84	2.03	5.63	1.34	4.32	4.39	6.74	4.19	7.26	2.03	1.46	44.62
1832..	3.64	4.63	2.62	2.27	4.76	2.29	4.08	5.35	1.51	2.89	2.32	4.18	40.54
1833..	0.95	1.00	1.65	1.85	2.90	4.01	1.53	3.13	3.35	8.48	3.89	3.60	36.34
1834..	1.40	1.45	2.35	1.75	3.45	6.33	2.86	0.80	3.09	4.85	2.10	3.10	33.53
1835..	4.25	1.37	1.70	3.35	1.35	1.25	3.65	1.70	1.72	1.75	1.70	2.54	26.33
1836..	3.14	1.19	1.09	1.00	3.35	6.30	5.25	1.30	1.55	3.20	1.09	1.35	29.81
1837..	1.80	2.10	1.85	1.70	4.10	5.44	5.25	2.65	2.65	2.00	2.40	1.75	33.69
1838..	2.40	2.05	2.45	2.00	2.45	4.20	2.20	2.55	1.43	1.68	2.85	1.35	27.61
1839..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1840..	4.05	3.10	2.90	3.95	3.55	3.05	1.80	2.30	2.10	3.60	2.45	3.65	36.50
1841..	......	......	......	......	......	.....	......	......	......	......	......	......	.....
1842..	1.98	2.39	2.46	2.45	2.81	2.82	3.89	4.23	1.83	2.35	2.45	2.70	32.36
Mean	2.72	2.23	2.25	2.94	2.79	4.07	3.91	2.87	2.38	3.55	2.87	2.38	34.94

MOUNT HOPE, WESTCHESTER COUNTY, N. Y.—Elevation, 200 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	......	......	......	......	......	.....	......	......	.....	2.91	1.47	.....
1897..	3.26	2.24	2.83	2.88	6.18	3.35	11.12	3.83	1.84	1.91	4.89	5.42	19.78
1898..	3.83	2.45	2.92	4.09	7.91	1.28	5.40	5.82	1.01	7.40	5.47	2.63	50.21
1899..	4.34	5.02	6.72	2.79	3.03	4.13	6.29	1.20	5.70	2.42	2.38	2.82	46.84
1900..	3.96	6.05	3.90	1.95	4.26	3.31	4.27	3.75	3.90	3.93	5.75	2.57	47.60
1901..	3.05	1.02	5.74	9.02	6.76	0.94	9.63	3.33	3.01	2.91	1.98	5.89	58.31
1902..	3.12	6.38	4.85	4.56	3.52	6.25	5.23	2.06	7.36	6.60	0.63	6.72	57.28
1903..	4.25	4.17	5.43	5.66	0.78	9.44	3.48	10.51	3.35	11.37	0.43	3.77	62.57
1904..	3.19	3.84	4.51	5.68	2.18	4.54	6.45	8.15	2.09	2.59	2.79	3.10	49.11
1905..	5.66	1.20	4.56	2.11	1.59	6.04	6.78	7.98	5.79	3.40	1.46	4.20	50.77
1906..	3.07	3.14	3.45	4.98	3.79	2.10	3.76	3.15	2.50	6.08	1.47	4.46	41.95
1907..	3.86	3.29	3.00	2.36	7.31	4.61	1.16	2.79	10.00	4.33	7.80	5.13	55.64
1908..	4.41	6.14	3.80	2.89	6.69	1.15	2.49	6.20	0.75	3.57	0.60	1.94	40.63
1909..	2.77	6.60	5.49	6.37	2.56	3.27	3.10	7.14	2.77	1.50	1.40	4.72	47.69
Mean	3.75	3.96	4.40	4.26	4.35	3.88	5.32	5.45	3.85	4.46	2.85	3.92	50.45

SALISBURY MILLS, ORANGE COUNTY, N. Y.—Elevation, 314 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899..	......	......	......	......	.....	......	3.76	1.29	6.00	1.00	2.30	2.23	.....
1900..	2.84	6.34	3.46	2.60	3.84	3.93	4.16	2.41	3.37	3.45	3.14	2.16	41.70
1901..	1.52	0.86	5.76	8.20	5.93	2.31	4.10	9.10	4.63	2.15	2.55	6.99	54.10
1902..	3.18	8.24	3.59	4.06	3.10	4.23	5.09	2.04	6.52	5.06	1.00	7.88	53.99
1903..	3.50	4.87	4.09	3.70	1.22	12.52	2.28	11.20	2.82	14.63	1.97	4.20	67.00
1904..	4.49	1.85	2.98	5.51	4.07	3.85	5.73	5.52	5.43	4.95	2.03	3.58	49.99
1905..	4.86	1.29	3.42	2.38	1.42	5.55	4.51	6.94	4.48	2.70	2.26	1.60	41.40
1906..	2.10	2.35	4.29	4.32	5.42	4.68	6.30	3.37	1.76	4.46	2.35	3.42	44.42
1907..	4.27	2.25	2.88	2.79	3.33	4.51	2.63	1.45	9.10	7.66	5.82	4.88	51.57
1908..	3.58	6.60	4.54	1.93	10.05	2.80	3.45	4.29	1.40	3.20	0.70	2.03	44.57
1909..	3.54	5.16	3.32	1.85	1.62	2.43	2.05	5.63	5.12	0.88	2.55	4.12	38.27
Mean	3.38	3.98	3.83	3.73	4.00	4.68	4.01	4.84	4.60	4.56	2.42	3.92	47.95

NEW YORK CITY, NEW YORK COUNTY, N. Y.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1826..	1.13	2.32	4.00	2.73	0.19	12.53	3.73	14.22	2.55	8.28	1.89	2.10	55.67
1827..	3.04	4.54	1.55	6.83	4.02	2.16	4.82	5.65	4.45	4.70	6.15	3.23	51.14
1828..	2.75	3.20	5.95	5.45	5.00	3.17	4.00	1.80	8.29	1.65	7.20	0.45	48.91
1829..	5.10	3.67	4.00	5.05	3.55	1.45	2.70	4.30	3.20	4.36	4.75	3.70	45.83
1830..	1.71	1.58	5.15	1.54	3.25	4.60	5.87	1.22	1.75	4.70	5.45	6.50	43.32
1831..	3.30	2.00	3.28	5.75	3.30	1.60	4.12	1.25	6.20	4.70	1.35	1.90	38.75
1832..	4.65	3.25	2.10	4.25	3.46	0.90	6.03	5.15	1.50	0.75	2.10	5.01	39.15
1833..	1.30	2.00	2.42	0.85	4.50	3.85	4.52	2.07	3.40	6.75	2.47	3.54	37.67
1834..	1.74	2.02	1.00	3.22	3.23	6.41	6.17	1.06	2.94	2.59	2.29	0.95	33.62
1835..	3.15	0.63	2.17	3.93	0.76	3.39	4.19	2.65	1.50	1.74	2.62	2.05	28.78
1836..	5.39	3.62	2.21	0.94	1.99	7.45	2.19	1.86	1.24	2.58	3.56	3.54	36.57
1837..	0.93	1.72	5.57	3.22	4.63	3.58	3.58	3.12	1.28	1.32	1.66	1.52	32.13
1838..	2.05	0.96	2.21	2.46	3.05	2.02	3.29	1.36	6.64	4.03	4.89	0.74	33.70
1839..	0.33	1.52	2.33	2.86	3.78	3.90	2.19	3.34	4.37	1.77	3.25	3.80	33.44
1840..	2.18	2.11	1.77	5.52	3.08	2.93	3.01	5.18	1.97	3.29	3.20	1.23	35.47
1841..	4.42	0.91	2.25	3.83	3.67	6.02	3.11	3.44	4.89	6.67	2.62	2.74	44.57
1842..	2.67	3.19	1.66	3.74	4.60	3.53	6.19	5.73	2.50	1.98	2.86	2.94	41.59
1843..	0.89	1.66	2.69	3.76	2.13	4.71	1.15	8.96	0.40	2.82	3.91	2.60	35.68
1844..	3.96	0.96	3.19	0.80	3.48	0.79	6.25	6.06	5.07	3.74	2.35	3.15	39.80
1845..	2.10	3.52	1.85	1.28	1.20	4.41	3.56	3.46	2.98	2.72	3.42	3.21	33.71
1846..	4.04	1.74	3.73	3.11	5.46	1.20	3.41	2.41	0.40	1.01	7.96	1.47	35.94
1847..	2.47	4.42	2.94	1.69	2.20	4.46	5.41	5.01	5.40	1.68	5.68	3.11	44.47
1848..	1.80	1.51	2.12	0.90	5.79	4.50	3.62	0.75	2.29	4.03	1.29	4.15	32.75
1849..	0.10	1.61	3.69	0.67	4.97	0.63	1.66	4.27	0.88	6.41	2.16	3.03	30.08
1850..	1.21	1.23	0.99	1.98	8.27	2.16	3.90	7.86	6.64	2.68	2.13	5.51	44.56
1851..	1.50	4.83	2.27	6.22	3.60	1.59	2.71	2.72	0.78	4.20	5.65	2.70	38.77
1852..	1.06	2.58	3.40	3.93	1.80	1.56	0.39	6.21	1.46	2.59	5.25	5.06	35.29
1853..	2.48	3.52	4.30	3.88	3.49	3.56	7.43	5.13	6.51	0.06	3.42	2.62	46.40
1854..	2.10	4.44	0.37	11.19	6.25	1.33	2.51	1.26	3.22	1.34	6.15	3.36	43.52
1855..	5.50	3.25	1.35	1.35	5.19	4.99	5.42	1.20	3.05	3.84	2.70	5.38	43.22
1856..	3.66	0.80	1.58	1.60	5.05	3.29	3.27	6.30	3.20	0.80	2.30	3.14	34.99
1857..	3.22	0.55	1.24	4.15	5.25	3.67	4.97	3.53	2.84	2.54	1.86	4.87	38.69
1858..	2.69	2.66	1.39	0.90	5.44	3.79	4.12	2.88	3.30	2.30	3.29	3.94	36.70
1859..	6.46	4.51	7.53	5.35	2.02	5.20	3.80	4.50	9.60	1.66	1.90	7.15	59.68
1860..	3.45	1.26	1.68	1.90	2.53	0.78	2.02	8.91	2.09	0.37	4.91	1.18	31.08
1861..	4.45	2.16	4.01	2.55	2.90	1.20	1.06	2.47	4.20	4.87	5.55	1.80	37.22
1862..	7.45	4.18	3.60	0.30	1.20	6.86	3.29	2.74	1.92	7.54	6.15	1.55	46.78
1863..	2.10	3.58	2.92	2.20	4.45	1.60	4.30	3.45	2.21	4.25	7.08	5.30	43.44
1864..	2.45	4.25	5.25	4.40	3.27	1.60	2.82	1.10	4.10	2.85	4.50	2.92	39.51
1865..	2.66	3.79	4.85	3.77	4.91	3.77	5.63	3.15	1.69	3.93	2.69	4.16	45.00
1866..	1.01	5.38	2.44	2.66	4.31	2.68	4.13	5.48	3.46	0.64	3.16	2.91	38.26
1867..	3.34	5.15	5.24	2.50	5.78	9.50	4.50	8.54	0.77	3.73	1.98	2.34	53.37
1868..	4.53	2.32	0.61	6.09	6.14	4.80	5.58	9.66	9.30	1.32	4.28	2.77	57.40
1869..	2.99	6.04	3.98	1.88	4.34	4.33	3.83	2.49	2.46	7.03	3.28	5.47	48.12
1870..	4.83	5.15	4.34	4.40	2.06	2.78	3.53	3.24	2.02	4.90	2.71	2.49	42.45
1871..	1.15	3.86	4.90	3.41	4.49	7.14	3.60	5.48	2.13	7.07	4.33	1.24	48.80
1872..	2.40	1.45	3.93	2.49	2.44	2.94	9.45	6.13	3.44	3.53	5.04	2.54	45.79
1873..	5.05	1.73	1.92	3.05	4.08	1.29	4.15	7.66	2.51	2.47	4.01	2.06	39.06
1874..	4.82	2.41	1.88	7.02	2.16	2.87	3.22	2.53	7.21	1.82	2.21	1.69	30.84
1875..	2.87	3.23	4.25	3.21	1.47	1.66	5.23	10.42	2.51	3.13	4.43	2.78	45.19
1876..	1.21	5.39	7.90	3.79	3.94	2.87	5.72	2.97	5.24	1.68	4.40	2.29	47.40
1877..	3.55	1.67	6.65	3.18	0.73	3.31	3.86	2.54	1.33	7.69	5.48	0.95	40.94
1878..	4.53	3.40	4.02	1.93	3.73	2.91	5.26	7.30	3.20	1.71	3.74	4.93	46.66
1879..	3.05	2.74	2.04	4.06	2.23	3.42	3.39	5.17	1.45	0.58	2.22	5.86	36.21
1880..	2.19	2.11	4.66	3.18	0.82	1.69	6.67	4.40	2.26	2.81	2.40	4.15	37.34
1881..	5.41	5.06	6.78	1.00	2.33	6.23	1.31	1.56	1.38	2.10	2.87	4.37	40.40
1882..	6.15	4.36	2.32	2.15	4.21	2.82	2.75	1.63	14.51	1.69	1.80	2.22	46.61
1883..	3.22	4.58	1.63	3.82	3.03	4.00	3.37	2.29	3.57	4.27	1.65	3.40	38.83
1884..	6.07	5.09	4.43	2.66	4.35	4.16	6.14	8.56	0.15	3.63	3.44	6.66	55.34
1885..	3.50	6.09	1.19	2.44	2.22	1.86	3.04	7.70	0.72	5.62	5.05	2.69	42.12
1886..	5.02	5.90	3.54	4.95	6.53	3.01	2.57	[illegible]	1.79	3.90	4.61	3.73	46.73
1887..	4.19	5.26	3.51	3.67	0.99	7.70	6.75	3.66	2.30	2.56	2.04	4.20	46.63
1888..	5.14	4.03	5.64	3.57	4.87	1.68	1.27	6.35	7.40	4.14	4.81	4.05	52.95
1889..	5.38	3.07	4.09	5.90	3.25	2.38	9.63	3.39	7.43	2.53	9.82	1.81	58.68
1890..	2.95	3.86	6.67	2.58	3.11	4.19	3.96	4.06	8.21	6.46	0.82	5.43	52.30
1891..	5.73	4.69	4.22	2.37	3.10	1.18	4.11	5.87	2.12	2.69	2.06	3.30	41.44
1892..	5.61	1.27	4.62	2.36	4.30	2.97	2.45	3.90	0.87	0.63	8.28	1.64	38.90
1893..	3.56	7.81	4.47	6.36	5.06	2.56	1.26	7.18	2.27	5.28	3.71	3.49	53.01
1894..	2.70	5.15	1.69	2.51	3.90	0.86	2.89	1.54	8.04	5.83	3.83	5.23	44.17
1895..	5.62	0.82	2.80	2.92	2.04	2.57	4.40	4.12	0.95	4.04	3.58	1.87	35.73
1896..	1.25	5.50	6.13	1.24	2.01	6.38	4.45	2.46	3.04	1.71	2.12	1.70	37.99
1897..	3.51	2.72	2.51	2.96	5.30	2.98	9.52	3.14	1.64	0.72	4.44	4.83	44.27
1898..	3.95	4.06	2.92	3.23	5.55	1.28	4.76	3.12	1.28	6.14	5.90	2.93	45.12
1899..	4.08	5.46	6.78	1.23	1.14	1.83	6.20	3.90	5.89	2.05	2.13	1.37	42.06
1900..	4.18	5.16	3.18	2.06	4.05	3.36	4.33	2.69	2.36	4.17	4.26	1.98	41.78
1901..	2.07	0.86	5.18	6.82	7.01	0.94	5.41	6.88	2.33	2.20	1.31	6.05	47.06
1902..	2.28	5.78	4.32	3.51	1.23	5.91	3.12	3.29	3.59	6.66	1.19	6.19	47.07
1903..	3.44	3.83	3.65	2.88	0.33	7.42	3.23	5.96	2.60	11.55	0.90	2.81	48.60
1904..	3.38	2.18	3.44	3.94	1.61	2.70	4.31	7.13	3.18	3.21	2.62	3.87	41.57
1905..	3.93	2.79	3.65	2.45	1.12	4.18	6.01	5.23	7.11	2.67	1.67	3.67	44.48
1906..	2.98	2.57	5.58	5.78	4.67	1.70	3.21	3.68	2.54	4.30	1.28	3.53	41.82
1907..	3.26	2.52	3.80	3.89	4.08	3.29	1.18	2.48	8.00	3.82	5.05	3.91	45.28
1908..	3.84	5.36	2.15	1.82	9.10	1.70	4.33	5.65	1.60	1.92	0.75	3.21	41.43
1909..	3.33	4.31	3.19	5.93	1.72	3.17	1.98	7.94	2.66	0.74	1.55	5.00	41.55
Mean	3.29	3.27	3.45	3.33	3.55	3.41	4.08	4.38	3.44	3.42	3.55	3.30	42.47

NOTE.—Record from 1826 to 1864, inclusive, made at Jamaica, N. Y.; from 1865 to 1870, inclusive, made at Eighty-sixth Street Reservoir, N. Y.; from 1871 to 1908, inclusive, made at New York Weather Bureau Office.

MOUNT PLEASANT, WESTCHESTER COUNTY, N. Y.—Elevation, 125 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1831..	2.87	1.92	2.64	3.92	2.79	3.44	5.66	4.99	4.38	5.88	2.37	0.90	41.76
1832..	4.31	3.72	4.80	3.30	3.75	2.20	3.65	9.51	2.65	2.67	4.20	4.10	48.86
1833..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1834..	1.74	0.93	1.45	3.35	5.54	6.03	7.07	0.35	4.25	2.89	2.07	3.50	39.17
1835..	4.51	2.30	2.96	4.94	1.77	1.48	4.05	3.71	0.97	2.15	3.35	2.31	34.50
1836..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1837..	1.84	0.91	5.32	4.26	5.75	4.24	3.01	0.99	1.35	2.16	2.36	1.01	33.23
1838..	1.10	1.59	1.29	1.16	2.90	4.37	1.96	1.91	4.63	3.50	3.50	1.00	28.91
1839..	1.65	0.28	1.07	4.69	5.11	3.66	7.23	4.54	5.63	1.13	2.66	5.55	43.20
1840..	0.76	0.20	2.16	4.54	3.03	3.37	2.01	2.92	2.50	5.43	1.01	2.91	30.84
1841..	4.50	1.35	2.08	2.95	2.35	3.03	3.75	3.95	2.15	3.37	2.79	4.33	36.60
1842..	1.88	3.66	1.98	4.42	4.89	3.12	5.96	7.06	4.31	3.41	2.20	2.17	45.06
1843..	0.46	0.65	3.08	4.52	1.18	2.09	3.21	7.12	2.23	2.86	0.50	0.36	28.26
1844..	0.24	0.51	1.82	0.85	4.55	0.67	5.93	2.44	1.58	3.14	0.37	1.21	23.31
Mean	2.16	1.50	2.55	2.58	3.63	3.14	4.46	4.12	3.05	3.23	2.28	2.45	36.15

NEWBURG ACADEMY, ORANGE COUNTY, N. Y.—Elevation, 150 feet.

1828..	2.75	3.15	2.29	3.05	5.37	1.94	7.08	1.46	9.21	0.96	5.62	0.42	43.30
1829..	2.21	2.18	1.34	3.59	2.06	3.50	4.45	3.06	2.40	3.60	2.46	1.69	32.54
1830..	3.54	1.76	2.39	1.92	4.21	5.55	3.94	0.15	0.60	2.70	5.94	3.13	34.83
1831..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1832..	4.67	4.00	2.18	2.95	4.05	1.76	5.14	7.30	1.07	4.36	1.92	3.76	43.16
1833..	2.42	0.31	2.52	1.13	3.79	4.34	3.80	5.25	3.96	8.74	2.79	2.12	41.17
1834..	1.82	0.54	1.08	2.80	2.96	6.92	2.09	0.48	3.73	2.91	1.10	2.80	29.23
1835..	3.05	1.15	2.15	3.07	1.83	3.59	2.36	1.64	0.94	1.65	2.41	1.20	25.04
1836..	2.92	4.50	0.40	0.42	2.50	5.20	4.68	1.30	1.10	2.25	1.72	3.28	30.27
1837..	2.20	0.30	4.10	1.40	4.25	2.55	1.82	1.87	1.37	1.37	2.45	1.08	24.76
1838..	4.35	1.50	7.28	1.26	6.17	6.60	2.59	2.17	7.60	3.45	5.05	0.22	48.24
1839..	4.01	5.38	2.34	1.04	3.60	2.36	4.12	2.76	5.23	4.08	4.61	5.01	44.54
1840..	3.29	2.52	2.48	3.09	7.00	2.53	2.95	3.68	4.08	1.87	3.89	1.60	38.98
1841..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1842..	0.63	2.39	2.50	2.42	2.80	2.80	3.90	4.41	1.75	2.29	2.08	2.66	30.63
1843..	1.11	1.18	3.28	2.12	2.21	2.40	1.01	7.41	2.25	6.46	2.23	1.85	33.51
1844..	3.18	0.09	1.17	0.82	5.91	3.11	7.76	2.49	2.95	0.45	1.60	2.34	31.87
1845..	2.02	3.70	1.85	1.29	2.46	1.85	1.95	4.10	2.20	2.19	5.26	3.02	31.89
1846..	1.35	1.03	3.00	1.73	5.51	2.12	5.64	3.46	0.25	3.29	6.47	0.90	34.75
1847..	7.10	2.20	0.50	1.64	2.12	1.35	1.55	1.05	6.85	1.98	1.50	1.98	29.82
1848..	1.18	2.30	0.60	0.90	6.05	5.81	3.95	0.91	2.06	5.16	2.48	3.32	34.72
1849..	0.52	1.56	3.16	0.79	5.56	1.42	1.04	5.10	1.39	8.75	2.18	2.25	33.72
1850..	4.36	4.12	4.23	2.73	7.60	5.41	6.81	4.98	6.63	1.64	3.03	4.09	55.63
1851..	2.12	4.29	4.37	5.25	6.09	1.80	5.70	2.37	1.30	5.17	4.30	2.65	45.41
1852..	.....	.....	2.10	4.24	1.60	4.94	4.60	.....	.....	.....	.....	.....	.....
1853 1863	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1864..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.00	.....
1865..	.....	.....	5.20	2.20	7.00	4.10	4.10	1.39	1.50	3.60	3.10	3.50	.....
1866..	1.06	5.02	0.50	1.90	4.40	5.40	4.10	6.50	3.50	2.44	3.74	2.33	40.89
1867..	2.13	3.39	2.21	1.49	5.57	5.02	3.11	9.23	1.87	5.86	2.19	1.34	43.31
1868..	3.27	.....	2.25	4.15	6.82	3.30	1.62	5.88	.....	0.72	4.28	2.14	.....
1869..	3.53	2.65	1.32	0.92	4.33	2.85	2.60	..	.....	.....	2.10	3.30	.....
1870..	3.54	4.50	3.12	3.12	2.49	4.63	2.55	.....	1.65	5.04	1.90	1.33	.....
1871..	2.53	2.26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	2.71	2.52	2.48	2.19	4.36	3.63	3.69	3.48	2.98	3.44	3.16	2.49	37.13

NORTH SALEM, WESTCHESTER COUNTY, N. Y.—Elevation, 361 feet.

1830..	2.18	1.82	5.05	1.76	3.29	5.97	5.50	0.41	2.25	4.81	3.41	6.92	43.37
1831..	2.09	2.54	2.38	5.79	3.41	3.31	4.39	3.22	4.50	6.51	3.02	0.60	41.76
1832..	3.18	1.61	3.40	2.97	3.58	1.25	3.65	7.99	2.25	3.78	3.60	3.67	40.93
1833..	3.17	1.13	3.34	1.57	5.11	3.89	3.01	2.69	3.06	9.90	1.98	4.21	43.06
1834..	1.52	0.82	1.28	4.38	4.44	7.02	4.45	0.31	4.75	2.15	0.83	1.57	33.52
1835..	6.12	0.32	1.77	6.25	1.46	1.96	5.52	2.07	1.44	3.42	1.88	2.78	34.99
1836..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1837..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1838..	2.45	0.96	1.52	2.04	3.48	3.48	1.79	1.73	5.14	3.42	3.91	0.95	30.87
1839..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1840..	1.46	1.92	2.45	4.18	3.63	3.52	2.95	3.19	2.70	5.82	2.81	3.91	38.54
1841..	6.20	1.70	2.51	4.38	2.54	2.93	1.87	1.78	2.06	4.08	4.17	5.56	39.78
1842..	1.55	4.78	1.50	4.95	4.99	2.77	5.56	6.05	3.80	4.57	2.53	2.67	45.72
1843..	2.51	3.27	5.53	4.03	2.06	2.58	3.99	8.74	5.00	5.80	3.90	1.50	48.91
1844..	2.77	0.88	4.44	1.73	5.49	2.67	6.63	1.59	1.96	4.33	1.23	3.57	37.29
1845..	4.94	2.87	2.37	1.62	2.60	2.05	2.36	3.40	3.84	4.17	5.48	3.80	39.50
1846..	4.07	2.65	3.71	1.95	6.90	3.43	7.20	5.11	0.35	2.59	4.78	2.93	45.67
1847..	3.61	5.41	3.76	1.28	2.05	3.00	5.00	3.25	5.33	3.61	3.02	4.88	44.20
1848..	1.46	1.60	2.05	1.23	7.02	4.41	4.27	1.27	2.06	2.56	2.81	3.88	34.62
1849..	1.55	2.09	5.19	1.35	5.85	1.09	1.32	7.24	1.43	7.88	4.42	3.24	42.65
1850..	4.46	4.67	3.68	2.73	7.60	5.41	6.81	4.97	6.63	1.64	3.03	3.39	55.02
1851..	0.99	5.18	1.78	5.52	4.00	2.32	2.60	2.09	1.02	4.00	3.74	2.14	35.38
1852..	2.06	2.30	2.65	4.26	1.67	2.60	2.83	7.93	2.33	1.93	4.20	4.26	39.02
1853..	2.96	4.76	2.62	5.06	7.80	3.98	5.22	6.50	6.63	3.34	.....	.....	.....
1854..	.....	.....	.....	.....	.....	.....	.....	0.23	2.92	2.08	5.96	1.01	.....
1855..	3.86	2.10	0.51	1.99	5.07	5.26	2.65	2.85	1.07	8.50	2.58	4.25	40.69
1856..	1.80	1.15	.....	3.09	4.07	2.68	2.88	12.10	3.03	1.53	1.20	3.29	.....
1857..	.....	.....	9.55	7.27	6.50	2.29	3.58	3.95	2.37	5.58	1.05	5.19	.....
1858..	3.08	1.35	0.61	3.92	6.25	5.15	5.10	3.15	1.75	2.95	2.00	2.80	38.11
1859..	4.20	1.31	6.81	3.55	4.16	4.80	4.82	7.40	5.30	2.00	4.30	2.43	51.08
1860..	.....	.....	2.65	2.50	3.00	2.35	4.02	3.90	1.50	2.80	2.87	1.11	.....
Mean	2.97	2.37	3.20	3.38	4.37	3.41	4.07	4.11	3.09	4.13	3.14	3.20	41.44

RED HOOK, DUTCHESS COUNTY, N. Y.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1830..	1.74	1.16	4.62	3.44	4.81	7.10	4.73	0.75	1.41	2.74	6.12	4.38	43.00
1831..	2.80	1.27	2.95	5.59	3.93	8.50	3.92	6.27	4.47	6.32	1.80	0.42	48.23
1832..	2.16	1.39	4.14	3.16	1.28	2.57	6.82	5.04	1.88	5.46	2.47	2.17	38.54
1833..	1.74	1.73	1.61	0.00	4.47	3.11	2.07	0.90	3.53	1.92	1.33	3.51	25.92
1834–5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1836..	6.14	2.62	0.87	2.28	1.26	2.70	2.91	1.94	2.08	1.19	1.77	3.90	29.66
1837..	3.56	1.40	5.35	5.45	6.01	7.16	6.52	2.74	1.53	2.26	1.40	1.05	44.43
1838..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1839..	1.51	1.12	0.65	2.60	4.90	3.06	6.55	2.20	3.37	0.74	2.21	2.00	30.91
1840..	1.10	1.37	0.52	2.65	1.42	1.61	2.50	0.97	3.05	4.55	2.80	1.87	24.41
1841..	5.20	1.00	1.94	3.11	1.43	2.43	3.69	2.95	0.93	1.77	3.04	4.17	31.66
1842..	1.23	2.36	1.64	3.37	1.40	3.28	2.90	5.88	3.83	2.00	2.33	1.30	31.52
1843 1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1900..	2.02	3.23	4.38	1.40	2.57	1.84	2.47	3.37	2.66	2.24	4.33	2.03	32.54
1901..	1.55	0.77	5.74	6.97	5.84	1.57	4.12	7.68	2.30	1.30	1.44	6.07	45.35
1902..	1.83	3.92	6.36	3.60	2.02	4.59	6.70	3.07	7.29	3.95	1.35	7.72	52.40
1903..	3.34	4.54	5.03	2.63	0.69	9.95	4.08	8.51	1.49	7.78	2.31	3.43	53.78
1904..	3.76	1.62	3.13	3.51	2.03	5.04	3.83	4.94	5.86	3.90	2.05	2.51	42.18
1905..	4.80	1.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	2.78	1.94	3.26	3.32	2.94	4.30	4.25	3.81	3.05	3.21	2.45	3.10	38.41

SOUTHEAST RESERVOIR, PUTNAM COUNTY, N. Y.—Elevation, 310 feet.

1895..	.....	.....	.....	.....	.....	.....	.....	.....	0.78	3.74	5.06	4.12	.....
1896..	1.30	7.18	6.80	1.48	2.93	4.00	4.28	3.74	5.17	2.39	3.38	2.03	44.68
1897..	3.55	2.66	3.49	3.05	6.03	3.18	11.15	5.21	1.79	0.93	5.72	4.78	51.54
1898..	4.60	4.18	2.89	3.50	7.89	1.39	3.52	13.94	2.23	4.63	6.34	3.17	58.28
1899..	3.78	5.84	6.46	1.58	2.10	5.52	6.17	0.32	7.10	1.39	1.82	2.37	44.45
1900..	3.73	7.77	4.52	2.27	6.40	2.08	3.91	2.33	3.52	3.98	5.98	2.47	48.96
1901..	1.78	0.79	6.99	7.61	6.78	2.27	8.30	7.98	5.88	5.24	2.06	8.64	64.32
1902..	3.12	3.63	7.01	4.68	3.75	5.95	4.74	3.24	6.73	6.55	1.17	7.34	57.91
1903..	4.83	4.96	5.19	2.69	1.16	11.35	2.45	6.88	3.67	6.90	2.89	3.68	56.65
1904..	3.73	3.10	3.82	4.03	4.45	2.25	5.32	6.43	4.64	3.61	1.98	3.37	46.73
1905..	6.53	1.84	4.29	3.22	1.08	6.78	2.62	5.43	3.51	3.14	2.33	3.57	44.34
1906..	2.44	2.93	6.36	4.11	3.95	4.87	5.34	2.74	3.02	4.99	1.58	4.21	46.54
1907..	4.40	2.80	1.92	3.95	5.77	4.64	2.14	3.09	10.58	8.95	5.57	5.61	59.42
1908..	4.21	5.63	4.00	2.13	7.38	2.26	3.03	6.12	0.83	1.92	1.09	3.32	41.92
1909..	4.80	6.50	4.39	7.41	2.93	2.95	2.83	6.61	4.41	1.17	3.54	4.01	51.55
Mean	3.77	4.27	4.87	3.69	4.47	4.25	4.70	5.29	4.26	3.97	3.37	4.18	51.09

POUGHKEEPSIE, DUTCHESS COUNTY, N. Y.—Elevation, 180 feet.

1830..	2.46	2.13	4.85	2.07	5.32	4.24	5.85	1.50	1.46	3.61	7.00	5.85	46.34
1831..	2.50	3.50	3.50	5.85	3.40	4.22	3.81	8.67	4.48	6.06	2.45	1.27	49.73
1832..	4.88	3.22	4.12	3.20	3.27	0.82	4.98	8.26	3.80	3.73	3.65	3.46	47.39
1833..	2.62	1.53	2.13	1.75	4.08	4.62	3.26	4.45	2.52	8.64	2.88	2.04	40.52
1834..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1835..	3.55	1.28	2.77	5.03	1.66	2.91	2.89	1.47	0.89	1.59	2.19	2.78	28.98
1836..	6.14	2.62	0.87	2.28	1.26	4.73	4.31	1.54	1.49	2.67	2.07	4.50	34.48
1837 1840	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1841..	4.87	0.75	1.73	3.64	1.47	3.03	0.94	4.15	1.47	2.07	3.02	2.51	29.65
1842..	1.37	3.00	2.71	4.25	2.62	3.98	5.60	4.13	3.75	1.05	3.05	2.60	38.11
1843..	2.13	1.05	3.08	2.92	1.37	4.78	2.45	8.25	4.62	8.20	3.50	0.95	43.30
1844..	3.93	1.15	4.23	1.05	5.05	4.55	8.45	2.45	2.45	4.53	1.51	3.86	43.21
1845..	4.45	2.46	3.54	2.58	1.14	2.10	2.36	2.76	3.00	2.26	5.15	2.65	34.45
1846..	2.20	1.41	2.83	1.07	5.16	2.16	4.20	4.09	0.20	2.41	6.67	3.11	35.51
1847..	3.30	3.50	2.10	0.92	3.22	3.67	1.92	2.35	3.23	1.92	0.89	6.46	33.48
1848..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1849..	0.45	1.42	2.71	0.96	6.36	1.24	0.49	3.39	0.83	5.58	3.33	1.91	28.67
1850 1889	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1890..	2.63	3.32	5.51	1.57	4.80	2.45	5.08	5.71	4.57	4.34	0.80	4.00	44.78
1891..	6.65	4.45	2.91	2.16	1.66	2.14	5.24	4.12	1.13	1.79	2.11	3.59	37.95
1892..	5.35	1.44	2.82	0.60	6.05	3.05	4.19	7.20	1.37	0.88	5.96	1.21	40.12
1893..	2.35	6.78	3.12	2.98	7.06	1.49	1.66	4.11	3.43	2.75	1.83	3.49	41.05
1894..	2.38	3.05	1.21	1.32	5.12	1.71	2.81	1.04	4.52	5.99	2.89	4.12	36.16
1895..	3.39	0.90	1.71	3.54	1.99	1.53	2.24	3.49	1.34	4.42	2.86	2.92	30.33
1896..	0.88	5.98	6.20	0.11	2.50	2.71	3.33	2.28	5.70	2.66	1.45	1.67	36.47
1897..	1.62	2.66	3.00	1.30	3.36	4.25	9.37	2.81	1.83	0.13	5.45	4.57	40.35
1898..	5.27	3.22	2.43	2.96	4.74	1.53	3.20	8.85	2.21	3.18	4.78	2.14	44.51
1899..	2.37	4.26	5.55	0.20	1.27	1.74	5.56	0.16	4.99	0.82	2.13	0.89	29.94
1900..	1.88	6.25	3.32	0.28	3.41	.....	.....	.....	.....	.....	.....	.....	.....
Mean	3.18	2.85	3.16	2.22	3.49	2.90	3.92	4.05	2.72	3.39	3.23	3.02	38.13

TARRYTOWN, WESTCHESTER COUNTY, N. Y.—Elevation, 152 feet.

1860..	1.90	2.48	2.11	2.39	2.49	2.92	3.20	5.78	6.45	1.94	5.85	2.93	40.44
1861..	3.55	2.35	5.62	5.75	4.35	2.67	6.46	5.39	5.71	3.45	7.37	1.78	54.45
1862..	4.83	2.91	3.25	1.82	2.28	5.65	6.23	1.76	1.73	3.42	4.69	1.58	40.15
1863..	4.14	4.67	5.28	3.48	4.29	1.00	6.81	5.83	0.36	4.26	3.55	5.29	48.96
1864..	1.59	1.26	2.35	3.16	4.54	2.14	2.61	7.88	4.49	2.69	4.00	3.09	39.80
1865..	3.19	3.34	5.03	2.94	6.37	3.30	8.64	3.30	2.71	3.63	3.48	3.76	49.69
1866..	1.33	4.48	2.10	2.68	4.57	3.39	3.63	3.72	6.23	3.71	3.08	3.38	42.30
1867..	0.89	4.12	2.20	2.91	6.15	6.09	4.48	8.81	0.24	4.84	2.74	2.63	46.10
1868..	3.07	1.10	2.09	4.06	7.99	5.06	5.94	5.86	10.49	0.72	4.30	2.80	53.48
1869..	4.74	4.83	5.06	1.96	4.38	2.24	2.66	2.95	2.70	7.84	3.65	7.77	50.78
1870..	5.58	5.11	4.39	4.80	3.19	2.77	2.98	6.83	1.16	6.18	2.55	1.96	47.50
1871..	3.15	3.45	5.37	4.62	4.15	8.42	6.71	6.77	2.02	7.95	5.47	2.31	60.39
1872..	1.92	1.52	5.06	1.83	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	3.07	3.20	3.84	3.26	4.56	3.80	5.03	5.41	3.69	4.22	4.23	3.27	47.58

WAPPINGERS FALLS, DUTHESS COUNTY, N. Y.—Elevation, 110 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1890..	......	......	......	......	......	2.46	7.01	5.96	4.27	5.79	1.19	4.57	.....
1891..	7.75	4.69	3.13	4.49	1.86	2.19	3.91	3.82	1.60	2.19	2.14	4.34	42.11
1892..	6.08	1.31	3.31	0.64	6.15	4.21	6.03	7.81	2.06	0.64	6.71	1.76	46.71
1893..	3.10	7.05	4.78	3.43	7.37	2.09	3.13	6.64	3.14	3.53	3.04	4.05	51.35
1894..	2.45	3.43	1.57	2.68	5.84	1.01	1.46	1.17	4.65	5.98	3.27	4.61	38.12
1895..	3.64	1.23	1.23	4.17	3.88	1.50	2.45	2.96	1.20	5.02	4.00	3.37	34.65
1896..	1.36	6.19	7.84	1.18	3.58	3.52	5.40	2.46	7.01	3.34	3.17	1.93	46.98
1897..	2.77	2.66	2.79	3.05	3.92	4.55	11.84	5.82	1.88	1.24	7.24	5.99	53.75
1898..	5.17	4.51	3.62	5.16	7.65	2.47	3.68	7.75	2.48	3.42	5.74	2.45	54.10
1899..	3.69	6.09	7.61	1.68	2.24	4.15	5.05	1.68	9.70	2.00	2.26	1.49	47.64
1900..	2.80	6.99	4.58	1.71	4.43	2.82	4.00	3.05	2.35	3.67	4.81	2.27	43.48
1901..	2.64	1.33	6.22	9.07	6.36	3.08	7.58	9.42	3.28	2.42	2.37	6.03	59.80
1902..	3.32	4.93	5.04	3.94	3.11	4.97	6.56	2.58	5.72	4.57	1.37	9.25	55.36
1903..	3.56	6.08	4.72	3.19	5.92	20.63	6.25	11.87	1.54	11.66	2.66	3.98	82.06
1904..	5.54	2.66	4.03	3.96	5.57	7.07	5.23	3.92	6.51	4.12	2.06	3.66	54.33
1905..	6.10	1.85	3.07	3.29	1.84	3.71	4.68	5.02	6.10	4.07	2.56	3.06	45.35
1906..	3.07	3.50	4.08	3.95	6.11	4.98	7.70	2.81	3.00	3.63	1.67	3.72	48.22
1907..	3.68	2.40	1.89	3.14	4.61	5.85	3.24	1.63	8.20	7.47	5.23	4.28	51.62
1908..	3.00	4.76	4.66	3.77	6.82	3.23	5.97	3.18	1.34	1.11	0.68	3.16	41.68
1909..	4.31	5.62	2.52	5.42	2.63	4.59	2.70	6.47	4.27	1.21	2.29	3.34	45.37
Mean	3.89	4.07	4.04	3.57	4.73	4.45	5.19	4.80	4.02	3.85	3.22	3.87	49.70

WARWICK, ORANGE COUNTY, N. Y.—Elevation, 538 feet

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	......	......	......	......	......	......	......	7.75	2.34	2.87	3.18	3.07	.....
1894..	3.79	3.34	0.87	4.31	5.40	1.92	1.39	0.83	10.11	5.16	2.73	4.40	44.25
1895..	2.76	0.68	1.59	4.33	3.16	3.90	3.82	3.30	0.72	4.30	3.28	2.21	34.05
1896..	0.97	4.97	4.86	1.49	2.83	6.21	6.05	2.19	8.12	2.66	3.67	1.22	45.24
1897 .	1.13	2.21	1.96	3.24	4.13	3.38	11.10	2.99	2.24	1.63	4.07	4.15	42.23
1898..	2.74	2.81	2.26	3.32	7.56	2.59	5.30	6.86	1.11	4.30	5.21	2.46	46.52
1899..	2.79	3.24	4.44	1.37	2.84	3.36	6.10	3.36	7.18	1.74	2.30	1.42	40.14
1900..	2.99	4.20	2.89	1.76	4.24	3.27	4.30	6.17	3.32	1.84	3.34	1.78	40.10
1901..	1.22	0.77	4.47	5.50	5.37	1.30	5.27	10.07	3.48	2.56	2.08	5.63	47.72
1902..	2.07	6.81	3.92	2.58	4.30	4.00	6.58	1.53	5.77	5.35	0.73	6.20	49.84
1903..	2.88	3.09	3.34	3.50	1.28	10.20	3.23	6.84	1.80	11.71	1.66	3.68	53.21
1904..	3.94	1.67	2.72	3.34	3.12	1.64	2.89	3.95	6.01	3.38	1.25	2.13	36.04
1905..	4.56	1.36	3.09	1.68	1.51	3.03	4.93	4.48	3.71	2.72	1.71	1.72	34.50
1906..	1.71	2.11	3.34	3.43	5.96	3.33	5.85	3.76	1.81	2.88	1.34	2.88	38.40
1907..	3.00	1.59	1.82	2.91	2.73	3.68	1.34	2.18	7.27	6.79	5.04	3.81	42.16
1908..	2.82	3.74	3.23	2.97	5.98	3.38	2.44	3.18	1.14	1.82	0.65	2.17	33.52
1909..	3.22	4.50	2.51	5.46	2.42	2.56	1.77	3.68	3.20	0.82	2.15	4.30	36.59
Mean	2.66	2.94	2.96	3.20	3.93	3.61	4.52	4.30	4.08	3.68	2.61	3.13	41.62

SING SING, WESTCHESTER COUNTY, N. Y.—Elevation, 158 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1862..	......	......	......	......	......	......	......	......	2.33	3.04	4.94	1.50	.....
1863..	4.40	4.72	9.01	6.97	9.69	0.80	14.25	8.14	2.51	10.68	7.35	6.95	85.47
1864..	3.01	1.95	4.50	7.49	10.59	5.07	4.61	11.81	6.86	5.72	8.95	2.90	73.46
1865..	4.47	3.81	8.03	4.25	13.38	6.05	16.18	5.31	3.34	8.35	6.30	5.20	84.67
1866..	0.85	7.22	2.60	2.48	9.12	7.78	7.87	8.42	9.22	5.60	6.75	7.79	75.70
1867..	0.20	8.34	2.40	6.68	9.85	20.15	5.14	15.18	1.59	8.64	6.53	3.32	88.02
1868..	5.72	2.65	1.67	8.24	14.26	8.86	4.95	14.70	21.97	0.16	7.60	4.64	95.42
1869..	3.95	3.80	10.64	2.72	7.64	4.62	3.82	4.55	5.61	16.98	10.03	8.62	82.98
1870..	14.18	6.24	8.90	6.40	3.00	7.05	0.00	7.69	2.76	8.95	4.04	1.33	70.54
1871..	3.09	5.06	7.29	4.86	5.81	18.33	8.06	9.77	3.12	12.41	11.31	2.24	91.35
1872..	3.00	1.87	.... .	......	.....	......	......	......	......	......	......	......	.....
1873..	.... .	......	......	.....	......	0.30	3.95	9.00	3.35	5.25	3.35	4.35	.....
1874.	7.35	4.30	2.10	7.00	2.25	2.50	7.10	5.10	3.85	1.85	2.75	2.40	48.55
Mean	4.57	4.54	5.71	5.71	8.56	7.41	6.90	9.06	5.54	7.30	6.66	4.27	76.23

WHITE PLAINS, WESTCHESTER COUNTY, N. Y.—Elevation, 100 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1853..	......	......	......	......	......	......	......	......	......	......	......	1.86	.....
1854..	3.09	5.58	1.02	8.20	5.20	1.80	3.02	0.41	5.40	1.94	3.40	1.55	40.60
1855..	2.71	2.97	1.32	2.70	4.42	4.73	3.90	1.91	1.72	8.10	1.70	6.36	42.54
1856..	3.41	0.86	1.56	3.31	4.19	2.60	2.92	11.27	3.63	1.48	2.38	4.87	42.47
1857..	1.02	2.94	1.90	6.64	6.94	4.20	6.33	4.03	3.02	2.50	1.59	6.72	47.82
1858..	3.54	2.32	1.04	5.11	4.58	4.14	2.21	3.98	2.63	2.86	2.89	5.19	40.49
1859..	6.02	4.00	5.37	3.55	2.36	5.42	3.65	3.38	3.84	1.80	3.18	3.11	45.69
1860..	2.52	2.36	1.53	2.00	3.63	0.96	3.06	8.08	4.86	1.85	5.43	2.36	38.66
1861 } 1871 }	......	......	......	......	......	....	......	......	......	......	......	......	.....
1872..	......	......	......	......	......	......	......	......	......	......	5.85	12.75	.....
1873..	......	1.70	1.90	......	......	0.00	3.70	8.00	2.50	2.50	2.50	4.40	.....
1874..	8.10	2.10	1.90	5.15	3.10	2.00	8.40	4.70	7.00	1.90	3.30	2.05	49.70
1875..	2.20	4.40	3.35	2.03	2.60	3.50	11.20	8.10	2.30	2.90	3.10	2.00	47.68
1876..	4.50	3.70	12.40	3.90	2.90	2.90	3.20	2.30	5.70	0.70	4.30	3.60	50.10
1877..	4.20	0.80	7.80	3.40	1.10	1.80	3.70	6.00	2.20	18.90	8.95	1.80	60.65
1878..	11.10	3.60	4.50	2.20	4.70	4.40	2.30	3.30	5.10	3.50	9.50	9.40	63.60
1879..	5.15	5.35	7.45	5.65	2.20	5.30	4.75	8.00	3.45	0.50	5.10	12.60	65.50
1880..	6.45	7.13	7.90	2.80	0.58	0.85	10.00	4.10	2.60	4.67	7.70	6.30	61.08
1881..	10.50	8.75	8.10	1.60	3.45	5.85	1.59	1.75	0.50	2.83	2.85	8.65	56.42
1882..	11.50	7.80	5.40	1.20	6.85	5.35	6.12	2.40	9.75	1.40	5.75	4.30	67.82
1883..	13.70	13.80	1.70	4.38	2.80	2.95	2.30	1.90	4.70	4.65	1.60	2.45	56.93
1884..	4.30	4.35	3.72	2.70	3.20	6.50	7.65	6.64	1.12	3.60	3.32	5.10	52.20
1885..	4.55	5.55	2.30	6.63	2.50	1.10	5.30	8.30	1.20	8.40	2.90	4.50	53.23
1886..	5.70	6.40	2.65	3.64	4.52	4.12	4.22	2.32	1.79	2.39	4.41	2.19	44.35
1887..	4.38	4.06	9.91	4.48	0.15	7.99	6.91	2.97	2.15	2.70	3.16	6.40	55.26
1888..	5.34	10.43	3.67	9.68	6.55	2.32	1.58	6.42	7.60	4.25	5.00	4.41	67.25
1889..	4.32	3.19	3.50	4.20	2.28	3.91	14.07	4.78	4.35	3.03	11.66	2.21	61.50
1890..	1.22	3.83	5.20	2.48	2.92	6.11	4.50	2.12	2.90	9.20	0.80	2.76	44.05
1891..	7.86	3.71	1.68	2.65	1.50	0.20	2.82	1.91	0.76	2.10	3.22	6.76	35.17
Mean	5.50	4.68	4.18	4.01	3.41	3.50	4.99	4.58	3.57	3.87	4.28	4.88	51.45

WEST POINT, ORANGE COUNTY, N. Y.—Elevation, 167 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1840..	2.50	2.50	3.41	4.59	3.35	2.80	2.73	5.18	3.08	8.33	3.10	6.25	47.82
1841..	9.95	2.00	5.25	6.60	4.37	5.97	3.40	2.80	3.05	2.10	3.35	5.10	53.94
1842..	2.00	2.60	0.75	4.95	4.80	3.23	5.19	9.92	5.60	4.20	2.98	4.40	50.62
1843..	2.70	3.02	5.05	3.40	2.28	1.95	3.00	11.33	3.62	6.95	4.60	2.70	50.60
1844..	5.25	3.10	4.20	0.50	5.10	3.45	7.90	5.28	3.50	4.92	1.05	4.12	48.37
1845..	5.15	2.88	3.40	1.80	4.10	1.82	2.38	7.72	2.60	2.93	5.36	3.24	43.38
1846..	3.42	2.78	3.90	3.04	6.62	2.30	6.14	2.93	0.17	2.46	10.02	2.80	46.58
1847..	4.01	6.22	3.49	0.79	2.70	2.27	2.52	2.20	3.58	1.97	1.80	3.50	35.05
1848..	1.87	3.98	2.71	2.90	7.15	7.37	4.42	0.49	3.67	4.43	6.76	5.04	50.79
1849..	1.03	2.07	4.55	0.90	6.10	1.08	3.15	4.84	0.48	7.63	2.31	4.11	38.25
1850..	6.06	3.33	4.84	4.30	8.26	3.83	5.89	5.13	8.14	2.34	2.17	5.65	59.94
1851..	0.82	5.09	2.56	7.24	4.34	1.53	4.44	2.58	1.22	4.02	4.31	2.45	40.60
1852..	1.80	3.80	2.68	4.66	1.85	2.30	4.67	6.39	2.39	2.99	4.47	5.31	43.31
1853..	3.27	5.45	3.23	5.84	7.99	3.77	10.48	7.87	3.95	3.85	5.60	2.26	63.56
1854..	3.52	5.04	2.81	10.53	5.08	1.62	3.73	0.46	4.00	1.98	5.65	2.64	47.06
1855..	3.63	4.23	0.83	2.52	4.16	4.50	6.26	3.10	0.97	10.25	3.69	5.14	49.28
1856..	2.81	0.63	1.68	3.76	6.59	4.13	2.42	11.26	4.52	1.35	2.50	5.76	47.41
1857..	2.25	1.79	1.88	5.32	5.70	6.38	2.04	3.97	4.46	5.40	2.75	5.25	47.19
1858..	3.83	1.65	0.92	4.48	6.17	4.30	3.17	3.52	2.05	3.65	6.30	3.90	43.94
1859..	4.00	2.30	5.85	4.00	2.89	5.45	1.65	6.70	5.20	1.55	2.70	1.40	43.69
1860–3	......	......	......	......	......	......	......	......	......	......	......	2.60	.....
1864..	......	......	......	......	.....	......	......	.....	......	......	......	......	.....
1865..	3.20	1.25	5.25	4.55	7.75	4.80	4.35	1.65	3.05	3.60	2.70	3.25	45.40
1866..	1.00	4.50	3.65	3.20	4.25	......	......	......	7.20	2.10	3.45	1.30	.....
1867..	1.15	4.40	1.25	3.40	10.50	6.00	6.15	11.90	0.90	2.00	3.50	0.83	51.78
1868..	1.55	1.60	3.86	4.80	11.66	3.45	1.15	11.75	11.22	0.90	3.85	0.92	56.71
1869..	2.40	3.55	4.25	3.07	4.75	5.33	2.45	1.90	3.35	7.80	3.82	4.99	47.66
1870..	4.91	6.15	4.65	5.15	3.82	3.15	2.53	2.95	2.40	3.52	1.11	2.00	42.34
1871..	1.48	2.77	5.24	3.97	3.85	7.36	8.55	6.60	1.03	4.96	4.40	2.73	52.94
1872..	1.70	1.00	2.40	1.70	2.41	3.18	1.10	4.57	2.78	2.18	4.73	2.89	30.64
1873..	4.81	4.60	2.79	3.82	3.46	0.76	2.46	5.11	3.52	5.75	2.77	5.00	44.85
1874..	......	1.56	1.68	6.49	2.15	2.17	7.99	2.60	3.86	1.79	2.93	2.01	.....
1875..	2.52	4.24	4.22	2.83	1.13	2.98	3.69	8.32	1.98	3.58	4.06	1.82	41.37
1876..	1.47	5.88	8.71	3.89	3.40	1.29	5.80	0.05	2.47	2.00	3.90	2.75	41.61
1877..	2.77	0.92	7.40	3.30	1.02	5.15	4.02	2.46	1.65	8.54	6.06	1.26	44.55
1878..	4.64	2.16	3.38	2.98	5.37	3.20	3.37	1.85	2.61	3.96	4.28	6.97	44.77
1879..	1.71	2.10	3.79	3.04	2.40	6.50	.. ...	5.76	......	0.70	......	5.12	.....
1880..	3.72	3.40	......	3.50	1.26	1.66	5.70	......	1.90	......	3.00	2.80	.....
1881..	5.80	4.60	5.40	......	4.82	......	3.50	3.00	......	5.20	3.50	......	. ...
1882..	5.40	. ...	4.90	1.94	6.00	3.60	......	1.40	13.50	......	......	2.40	.....
1883..	......	4.40	1.70	......	......	......	3.80	4.50	3.40	5.30	......	......	... .
1884..	......	......	......	2.30	3.80	2.50	8.40	......	1.00	......	5.00	6.20	.....
1885..	4.09	3.60	2.40	3.30	2.10	3.60	3.60	7.50	0.90	5.80	5.70	4.60	47.19
1886..	6.80	4.24	3.98	3.70	4.16	3.60	4.40	4.60	1.70	2.10	4.30	3.00	46.58
1887..	4.40	5.60	3.10	3.30	1.50	6.30	7.44	2.20	1.90	3.30	2.86	5.38	47.28
1888..	4.58	3.78	3.62	2.68	6.22	1.04	2.18	6.40	8.34	3.94	......	5.42	.....
1889..	5.08	2.88	1.50	4.56	3.00	3.32	9.92	4.09	6.42	4.85	8.08	3.06	56.76
1890..	1.96	5.12	5.91	3.90	5.07	4.60	7.00	4.10	6.80	4.30	1.00	......	.....
1891..	8.20	4.68	2.83	2.70	1.90	2.46	4.16	4.88	1.66	0.93	2.83	5.03	42.26
1892..	6.93	1.07	4.15	1.09	4.84	3.61	5.97	3.67	3.53	T.	6.02	1.33	42.21
1893 .	4.43	7.29	3.94	3.16	8.24	1.83	4.53	6.62	2.84	4.25	3.63	2.66	53.42
1894..	3.15	3.94	1.33	2.86	4.45	2.08	1.04	1.86	6.30	6.25	4.08	2.92	40.26
1895..	5.49	1.60	1.10	6.81	3.55	2.63	6.86	3.42	1.16	4.22	5.58	4.20	46.62
1896..	0.83	4.46	12.02	1.98	2.89	4.07	2.50	1.96	5.74	2.36	5.10	1.63	45.54
1897..	3.05	3.35	3.35	3.17	4.70	3.20	13.05	5.15	2.90	1.43	5.40	5.60	54.35
1898..	4.80	3.60	2.48	3.72	7.51	1.85	3.80	9.08	1.37	4.82	6.29	2.41	51.73
1899..	3.50	3.73	7.45	1.70	2.31	4.85	5.78	1.90	6.39	1.94	3.24	2.23	44.77
1900..	4.15	......	......	......	......	.....	......	......	......	......	......	......	.....
1901–4	......	......	......	......	......	......	......	......	......	......	......	......	.....
1905..	......	......	......	2.53	1.00	5.83	4.01	4.00	5.90	3.00	1.80	2.30	.....
1906..	1.00	1.00	3.00	4.45	4.71	2.75	5.55	1.80	2.83	4.10	1.45	4.00	36.64
1907..	2.33	2.20	2.30	3.14	3.11	3.53	......	0.82	10.68	7.51	4.61	3.90	.....
1908..	2.05	2.40	1.35	2.59	7.59	2.40	4.11	4.35	1.50	1.70	0.67	2.70	33.41
1909..	1.66	4.31	3.43	5.83	1.83	1.46	2.00	4.50	2.57	0.69	2.07	4.68	38.03
Mean	3.48	3.38	3.64	3.68	4.48	3.53	4.62	4.61	3.72	3.76	3.92	3.55	46.37

LONG ISLAND GROUP.

[Figures in bold-face type estimated from surrounding stations.]

BROOKHAVEN, SUFFOLK COUNTY, N. Y.—Elevation, 13 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1864..	......	......	3.44	2.74	3.36	2.30	1.75	3.04	6.43	2.75	6.46	8.21	.....
1865..	6.07	6.76	7.31	4.76	5.97	2.28	3.69	1.50	3.53	4.06	4.34	5.96	56.23
1866..	2.51	5.98	5.34	2.85	6.62	2.56	5.47	6.63	5.50	3.92	3.34	5.94	56.66
1867..	2.44	7.71	5.35	1.33	5.64	8.13	4.65	5.60	1.50	6.82	2.99	2.98	55.14
1868..	4.34	2.54	3.29	9.34	8.91	2.74	5.92	4.07	8.03	1.00	5.54	3.92	59.64
1869..	3.73	7.88	8.32	3.42	7.82	6.22	2.99	2.15	5.69	12.86	4.91	5.39	71.38
1870..	5.16	3.61	4.14	4.24	2.28	1.12	2.41	5.85	2.65	3.76	3.37	3.32	41.91
1871..	3.66	4.13	4.51	4.31	2.37	3.79	5.36	3.18	1.03	5.23	5.59	3.00	46.16
1872..	2.73	1.41	5.92	1.99	2.63	3.41	3.15	4.07	4.62	1.95	4.68	4.02	40.58
1873..	5.70	5.22	1.55	4.13	4.38	1.34	1.99	7.16	2.02	2.45	4.56	4.89	45.39
1874..	4.44	4.60	1.45	8.42	2.52	1.79	1.46	3.38	4.97	0.71	2.60	3.61	39.95
1875..	3.91	3.36	6.33	3.37	1.90	2.34	6.22	4.59	2.51	4.48	6.14	2.04	47.19
1876..	1.16	4.48	7.21	6.14	4.05	1.63	5.61	0.51	3.66	0.73	4.97	4.53	44.68
1877..	2.96	1.60	7.83	2.65	0.86	3.40	3.09	2.16	1.28	8.70	5.45	0.31	40.29
1878..	6.08	3.35	3.09	3.21	4.51	2.64	3.52	3.54	0.57	1.02	4.67	5.33	41.53
1879..	......	......	......	......	.....	......	......	......	3.11	0.97	1.19	3.65	.....
1880..	1.66	0.94	3.92	1.98	......	0.74	4.39	0.92	3.22	2.93	2.79	7.56	.....
1881..	6.00	1.78	6.51	2.80	1.42	2.87	0.61	0.41	0.24	1.68	2.35	0.98	27.65
1882..	3.20	3.28	......	1.50	1.85	.....	......	......	......	......	......	......	.....
Mean	3.87	4.04	5.03	3.84	3.95	2.90	3.66	3.46	3.36	3.67	4.22	4.20	46.20

CUTCHOGUE, SUFFOLK COUNTY, N. Y.—Elevation, 32 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1899..	5.42	5.50	8.50	2.57	1.79	2.21	5.74	0.75	8.47	2.54	2.14	1.43	47.06
1900..	4.98	5.90	4.74	1.63	4.30	1.12	4.17	6.15	3.79	3.00	5.64	2.84	48.26
1901..	2.77	0.50	7.79	8.56	7.31	1.24	3.32	3.92	6.03	1.77	2.44	10.39	56.04
1902..	2.11	5.81	6.74	3.85	0.84	5.61	2.28	1.77	5.49	5.56	1.66	7.52	49.24
1903..	4.80	5.83	7.51	4.26	0.94	6.08	1.89	7.77	1.25	4.53	1.75	4.25	50.86
1904..	5.85	3.61	2.65	6.28	2.93	4.31	1.80	3.99	3.11	2.69	2.05	6.17	45.44
1905..	2.90	1.40	3.85	3.06	2.11	3.49	3.83	5.17	4.63	2.03	2.05	4.10	38.62
1906..	2.62	2.20	3.43	2.81	5.10	3.73	6.98	1.56	2.38	6.52	1.65	5.77	44.75
1907..	4.29	3.09	3.77	2.98	5.29	2.51	0.61	2.06	4.71	3.59	6.46	6.07	45.43
1908..	3.35	5.15	3.43	2.60	3.53	1.12	2.88	3.60	1.03	1.95	1.09	4.97	34.70
1909..	4.04	7.16	4.14	5.70	3.40	3.37	1.25	3.47	4.66	1.74	2.70	3.80	45.43
Mean	3.92	4.20	5.14	4.03	3.41	3.16	3.16	3.66	4.14	3.27	2.69	5.21	45.99

EAST HAMPTON, SUFFOLK COUNTY, N. Y.—Elevation, 16 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1827..	4.43	4.00	2.33	2.64	7.90	2.49	3.21	2.58	3.10	4.73	7.91	1.85	47.17
1828..	2.44	2.09	1.99	2.99	2.50	3.67	4.10	0.95	4.87	1.79	3.18	0.34	30.91
1829..	6.33	4.26	4.28	2.02	4.98	1.87	1.88	2.39	2.79	4.32	5.84	1.60	42.56
1830..	3.87	1.60	3.94	2.69	4.73	3.16	4.80	3.62	1.93	3.02	5.82	7.47	46.65
1831..	1.67	1.77	1.25	6.81	4.64	3.00	3.14	1.67	5.40	4.85	3.02	1.27	38.49
1832..	3.15	3.47	2.63	2.46	5.71	0.24	1.90	5.46	3.61	2.80	3.05	7.34	41.82
1833..	2.71	1.63	0.50	1.56	3.35	5.42	1.48	1.56	2.77	7.51	3.38	4.42	36.29
1834..	2.99	1.52	0.85	2.02	6.70	4.66	7.32	0.29	4.47	4.32	2.62	2.36	40.12
1835..	2.45	1.63	4.22	5.69	1.79	1.68	1.39	2.93	0.86	2.34	2.79	2.78	30.55
1836..	6.71	3.30	2.57	2.95	2.98	3.26	1.62	1.98	1.33	1.93	4.00	2.87	35.50
1837..	2.10	3.90	7.62	1.60	5.09	3.04	3.91	2.26	0.90	0.99	1.53	2.29	35.23
1838..	2.42	1.15	1.05	1.50	1.56	1.65	0.97	0.74	9.18	4.94	2.50	0.40	28.06
1839..	1.24	3.11	1.44	4.87	2.46	2.98	2.86	9.00	4.69	5.13	1.61	7.00	46.39
1840..	2.35	2.69	3.55	5.04	6.33	2.32	1.05	5.88	2.42	4.52	6.02	1.15	43.32
1841..	4.57	0.96	3.40	7.24	1.71	2.47	3.74	5.68	1.57	4.47	3.84	3.97	43.62
1842..	2.07	3.02	1.26	5.24	3.70	6.02	3.54	1.94	2.35	0.40	0.93	2.60	33.07
1843..	......	0.83	0.50	4.00	2.35	3.95	......	6.20	3.18	5.15	0.50	2.80	.....
1844–9	......	......	......	......	......	......	......	......	......	......	......	......	.....
1850..	......	......	......	......	......	......	......	......	......	2.86	2.26	4.85	.....
1851..	2.02	......	......	......	......	......	.....	......	0.94	3.69	3.36	1.52	.....
1852..	2.69	2.09	2.19	6.29	1.59	1.32	0.45	2.21	......	......	......	......	.....
Mean	3.12	2.39	2.53	3.76	3.89	2.96	2.79	3.19	3.13	3.67	3.38	3.10	37.91

WELLETS POINT, QUEENS COUNTY, N. Y.—Elevation, 55 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1870..	3.60	4.10	3.60	2.52	1.46	1.24	2.44	3.37	1.48	4.52	1.32	1.22	30.92
1871..	1.68	0.48	2.66	1.98	2.98	5.40	5.58	7.16	1.74	4.00	4.06	1.50	39.22
1872..	2.98	2.12	2.94	1.22	2.84	3.40	6.28	8.68	3.62	1.80	4.36	2.54	42.78
1873..	4.08	2.20	1.62	2.38	2.72	2.94	2.62	5.66	2.22	4.02	3.00	2.52	35.98
1874..	5.42	1.66	1.88	8.14	1.99	2.50	2.70	3.68	5.66	2.32	2.46	1.70	40.02
1875..	3.58	1.40	3.22	2.76	1.90	3.42	5.72	6.60	2.10	4.20	4.70	2.74	42.34
1876..	1.24	4.98	8.90	4.46	4.02	2.14	6.16	3.60	5.12	1.36	3.86	2.30	48.14
1877..	......	1.48	7.34	2.36	1.68	2.68	3.46	3.76	1.14	8.46	5.88	1.00	...
1878..	......	3.20	5.56	1.96	6.28	3.42	3.84	8.34	3.14	2.84	3.36	7.94	.....
1879..	10.40	7.26	4.68	4.64	2.12	2.86	4.02	7.54	0.88	0.92	1.39	3.73	50.44
1880..	1.91	1.93	1.98	2.26	......	0.85	8.71	6.64	2.65	2.46	2.42	2.64	.....
1881..	3.25	......	......	......	......	......	......	......	......	......	......	......	.....
1882–7	......	......	......	......	......	......	......	......	......	.....	......	......	.....
1888..	......	......	......	......	......	......	......	....	......	......	......	3.76	.....
1889..	6.08	2.33	2.20	7.15	2.60	2.38	7.13	4.02	7.16	2.82	10.28	1.78	55.93
1890..	2.56	3.92	4.32	5.60	3.38	5.30	5.86	4.38	5.43	6.50	1.11	3.44	51.80
1891..	7.25	4.25	3.48	2.80	2.35	1.20	5.00	4.90	3.03	3.77	2.52	3.70	44.25
1892..	3.66	1.70	3.60	2.44	5.22	2.93	3.49	5.16	0.92	0.50	8.37	1.66	39.65
1893..	2.90	7.10	4.48	5.33	4.55	1.96	1.77	7.05	2.17	4.35	3.06	3.31	48.03
1894..	3.03	6.00	2.03	1.90	6.47	1.58	4.66	0.21	8.90	6.74	5.54	5.19	52.25
1895..	5.37	0.85	2.55	4.09	2.77	3.22	4.85	4.55	1.45	3.53	3.16	2.31	38.70
1896..	1.10	7.98	7.41	1.13	2.66	6.01	5.79	1.64	5.68	2.43	2.62	0.90	45.35
1897..	3.54	4.68	3.70	3.21	5.90	2.67	9.75	2.26	1.67	0.70	4.66	5.06	47.80
1898..	5.13	4.02	4.14	4.42	8.11	1.13	7.85	4.94	1.40	5.91	6.18	3.87	57.10
1899..	4.59	4.58	7.26	1.97	1.58	3.35	4.75	1.80	4.50	1.85	2.30	2.40	40.93
Mean	3.97	3.56	4.07	3.40	3.50	2.84	5.11	4.82	3.28	3.45	3.94	2.92	44.86

FLUSHING, QUEENS COUNTY, N. Y.—Elevation, — feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1875..	......	......	......	2.38	1.94	2.77	4.70	6.90	1.60	3.42	4.22	2.70	.....
1876..	1.29	5.27	10.19	4.24	4.10	2.21	4.87	4.22	4.03	1.76	4.18	3.18	49.54
1877..	3.91	1.90	8.61	2.96	0.95	2.95	3.95	3.20	1.57	6.73	4.95	0.65	42.33
1878..	5.53	2.88	3.60	3.14	3.60	......	4.66	8.77	3.38	3.22	3.87	6.33	.....
1879..	2.75	3.11	3.85	4.80	2.32	3.23	4.24	9.29	2.33	0.89	2.49	5.34	44.64
1880..	2.95	2.33	5.03	3.30	1.19	1.52	10.10	5.30	3.00	3.00	2.80	2.05	42.57
1881..	6.08	5.05	8.10	1.43	2.88	5.22	2.45	0.90	0.65	2.38	3.25	4.66	43.05
1882..	5.64	3.87	3.57	1.90	4.35	2.77	2.48	1.94	11.71	2.09	1.34	2.30	43.96
1883..	3.39	3.92	1.52	3.49	3.20	2.82	3.60	1.95	3.12	5.78	0.85	3.75	37.39
1884..	4.80	5.35	......	......	......	......	......	......	......	......	......	......	.....
Mean	4.04	3.74	5.56	3.07	2.73	2.94	4.56	4.72	3.49	3.25	3.11	3.44	44.65

SOUTHAMPTON, SUFFOLK COUNTY, N. Y.—Elevation, 36 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	......	......	.....	......	.....	......	......	......	......	......	3.90	2.40	.....
1901..	3.20	0.55	5.78	6.84	5.61	1.10	4.13	5.48	4.10	2.47	2.01	8.11	49.38
1902..	1.15	5.40	6.09	3.68	0.80	6.19	3.76	1.84	8.94	5.97	1.63	7.47	52.92
1903..	3.75	3.55	6.82	4.19	1.26	4.67	1.66	7.37	1.24	3.42	1.48	3.70	43.11
1904..	4.23	2.94	2.79	7.17	2.48	3.87	2.49	6.17	1.75	2.29	2.78	6.38	45.34
1905..	4.75	2.65	3.21	2.28	2.65	3.31	3.45	5.97	6.92	2.57	1.62	5.41	44.79
1906..	3.79	3.15	5.81	4.27	7.95	1.79	4.60	2.85	0.96	6.57	1.84	3.14	46.72
1907..	5.15	3.66	3.50	2.48	5.37	2.59	0.99	1.78	3.64	2.30	6.09	6.39	43.94
1908..	4.42	5.15	3.44	2.19	3.57	1.50	1.55	2.65	1.15	3.12	1.20	4.86	34.80
1909..	4.24	6.09	2.88	7.31	2.65	2.26	2.54	3.67	2.82	1.68	2.54	4.07	42.75
Mean	3.85	3.68	4.48	4.49	3.59	3.03	2.80	4.20	3.50	3.38	2.51	5.19	44.70

SETAUKET, SUFFOLK COUNTY, N. Y.—Elevation, 40 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1885..	......	......	....	......	......	......	1.44	6.43	0.93	6.35	8.16	4.00	.....
1886..	3.76	7.08	3.18	4.21	3.13	3.72	7.43	3.00	1.03	4.15	3.43	4.43	48.55
1887..	5.33	6.00	4.96	3.95	0.10	6.57	5.30	4.62	2.45	3.76	2.62	3.42	49.08
1888..	5.49	3.27	7.38	2.88	4.49	1.69	1.61	5.60	6.44	4.76	4.83	3.08	51.52
1889..	6.26	2.19	2.74	3.57	3.83	2.91	6.64	4.16	7.22	4.64	8.03	1.68	53.87
1890..	1.87	3.00	6.56	3.40	3.50	2.97	5.25	4.27	6.53	10.20	0.74	5.65	53.94
1891..	6.39	6.26	3.84	3.22	1.24	1.84	5.71	3.43	3.18	6.60	2.24	3.40	47.35
1892..	4.79	1.40	3.73	1.82	3.65	1.79	3.12	4.76	3.67	0.90	8.22	1.56	39.41
1893..	3.09	7.11	5.82	4.95	5.87	0.58	1.88	6.65	2.02	4.00	3.18	3.43	48.58
1894..	3.63	4.40	1.34	3.11	4.40	1.17	0.63	2.61	5.26	8.86	6.02	4.60	46.03
1895..	5.40	0.91	3.08	3.01	2.09	2.63	3.41	5.02	2.41	3.37	5.40	2.48	39.21
1896..	1.48	6.46	4.81	1.02	3.10	4.10	2.74	2.35	3.62	2.87	3.21	1.62	37.38
1897..	3.85	2.56	2.80	3.29	5.38	2.82	18.18	5.03	1.20	1.79	5.76	6.60	59.26
1898..	4.00	4.82	3.40	4.90	8.30	0.62	7.81	6.56	1.85	7.08	6.28	2.38	58.00
1899..	4.71	5.48	8.15	1.54	1.95	3.08	3.10	0.97	5.02	2.75	1.21	1.67	39.63
1900..	4.92	5.88	4.77	1.53	5.12	1.38	5.05	5.90	2.31	2.97	4.88	2.63	47.34
1901..	1.96	0.69	5.61	8.23	7.25	1.12	3.42	6.02	3.55	2.76	1.94	9.43	51.98
1902..	1.95	5.47	5.85	3.26	0.98	5.09	2.41	0.85	6.63	7.32	1.63	7.46	48.90
1903..	3.83	4.79	7.35	3.91	0.50	7.84	2.26	6.28	2.61	3.66	1.32	4.26	48.31
1904..	3.84	2.93	3.35	6.26	2.83	2.40	3.61	7.51	3.78	3.10	2.08	3.63	45.32
1905..	3.10	2.40	3.47	3.00	1.30	3.54	4.31	3.75	5.14	2.54	1.95	4.48	38.98
1906..	3.56	2.57	5.03	3.57	4.53	3.19	8.62	4.73	1.07	9.20	1.87	4.07	52.01
1907..	3.74	3.09	2.75	3.18	5.25	2.77	1.07	1.41	7.31	4.01	6.61	5.53	46.72
1908..	4.13	5.74	2.82	2.61	4.93	0.88	1.84	7.39	1.38	1.38	0.88	3.78	37.76
1909..	3.17	4.70	4.02	6.11	1.78	1.55	2.44	4.88	3.96	2.10	2.12	4.33	41.16
Mean	3.93	4.13	4.45	3.59	3.56	2.76	4.37	4.57	3.62	4.44	3.78	3.98	47.18

MISCELLANEOUS DATA.

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Albany	31	13	12	13	11	13	13	13	11	10	10	12	12	143
Cooperstown	50	11	11	13	11	12	12	12	11	10	11	11	11	136
Glens Falls	15	10	9	12	9	13	13	11	11	11	9	11	11	130
Gloversville	17	12	10	11	10	12	12	10	11	9	9	11	11	128
Honeymead Brook	20	12	10	12	10	12	12	13	11	9	9	10	10	130
Little Falls	12	13	10	12	11	11	12	12	11	9	10	11	14	136
New York	33	12	11	13	11	11	11	13	10	9	10	10	11	132
Plattsburg	19	7	6	7	7	9	9	11	9	9	7	8	7	96
Port Jervis	16	10	9	12	9	12	12	13	11	10	9	10	10	127
Saranac Lake	15	14	12	14	11	12	12	14	12	11	13	13	15	153
Setauket	18	11	10	12	9	10	8	10	9	8	8	9	10	114
West Point	13	9	9	11	9	11	8	11	7	7	8	8	7	105

Mean temperature.

Albany	86	23.4	24.4	33.3	46.7	59.2	68.4	72.3	70.5	62.5	50.2	39.1	28.0	48.2
Cooperstown	52	20.2	20.6	28.0	41.2	54.6	64.0	68.1	65.4	58.3	46.7	35.0	24.6	43.9
Glens Falls	16	19.3	18.6	30.9	45.3	57.7	66.6	70.9	67.7	60.7	49.2	36.0	24.2	45.6
Gloversville	17	18.4	17.6	23.0	43.2	55.6	64.6	68.9	66.2	59.4	47.6	34.7	22.9	43.5
Honeymead Brook	23	23.2	24.6	32.1	45.8	57.6	66.3	70.0	68.0	61.8	49.6	37.9	27.8	47.1
Little Falls	12	19.5	17.8	29.7	43.0	55.6	63.9	69.5	66.7	60.8	49.1	35.1	23.1	44.5
New York	82	30.3	30.6	37.7	48.5	59.4	69.0	74.5	72.8	65.9	55.2	44.1	34.2	51.8
Plattsburg	48	17.7	18.2	27.2	41.4	54.9	64.8	69.4	67.3	59.5	48.1	34.7	22.3	43.8
Port Jervis	21	24.1	25.2	33.9	47.0	59.5	67.4	71.0	69.1	62.9	50.7	38.5	28.2	48.1
Saranac Lake	16	15.5	14.6	27.2	39.9	53.7	62.0	65.9	62.5	57.0	44.2	32.0	19.5	41.2
Setauket	23	30.5	29.3	36.8	47.2	57.9	66.5	72.1	70.6	65.0	54.3	44.1	34.8	50.8
West Point	80	27.7	28.4	36.4	48.6	59.9	69.6	74.0	72.2	64.8	53.4	42.0	31.4	50.7

Highest temperatures by months.

Albany	36	64	63	79	88	93	99	100	98	96	90	71	66	100
Cooperstown	19	62	57	76	82	87	90	92	90	87	80	70	62	92
Glens Falls	17	60	51	73	86	94	98	96	95	94	83	73	65	98
Gloversville	17	50	56	73	89	92	95	96	95	93	86	70	64	96
Honeymead Brook	14	60	60	71	87	92	96	96	96	92	84	69	62	96
Little Falls	12	62	65	74	87	87	92	94	95	90	87	69	70	95
New York	38	67	69	75	90	95	97	99	96	100	88	74	68	100
Plattsburg	19	64	56	68	88	93	98	99	94	95	88	68	65	99
Port Jervis	21	67	69	88	92	94	96	103	100	95	88	73	66	103
Saranac Lake	15	65	63	76	84	91	92	95	92	89	82	70	59	95
Setauket	19	64	64	74	87	91	93	98	95	93	86	69	63	98
West Point	12	64	56	72	93	95	99	103	97	99	90	73	65	103

Lowest temperatures by months.

Stations.	Length of record, yrs.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
Albany	36	—24	—18	— 8	13	29	40	48	42	32	23	—10	—17	—24
Cooperstown	19	—33	—23	—15	14	24	35	40	38	27	19	0	—15	—33
Glens Falls	17	—36	—28	—11	15	20	36	44	38	24	18	4	—16	—36
Gloversville	17	—32	—28	—12	13	23	34	38	37	25	18	— 1	—20	—32
Honeymead Brook	14	—14	—16	—10	11	26	36	42	40	32	21	5	—13	—16
L e Falls	12	—23	—21	— 7	14	22	40	41	43	28	22	3	—15	—23
New York	38	— 6	— 6	3	20	34	47	50	51	40	31	7	— 6	— 6
Plattsburg	19	—22	—25	—12	10	19	32	35	35	29	17	— 3	—22	—25
Port Jervis	21	—20	—14	— 8	14	26	38	42	40	29	20	8	—11	—20
Saranac Lake	15	—39	—38	—22	4	16	29	33	30	23	11	— 5	—32	—39
Setauket	19	— 1	— 5	8	23	34	40	50	50	37	31	16	3	— 5
West Point	12	—15	—11	— 1	18	28	39	40	35	30	20	5	— 2	—15

Direction of prevailing wind.

Albany	31	s	nw	nw	nw	s	s	s	s	s	s	s	s	s
New York	33	nw	nw	nw	nw	nw	sw	sw	nw	nw	nw	nw	nw	nw

Frost data.

Station.	Length of record, years.	Average date of last killing frost in spring.		Average date of first killing frost in autumn.		Latest date of killing frost in spring.		Earliest date of killing frost in autumn.
Albany	35	April	23	Oct.	17	May	30	Sept. 23.
Cooperstown	20	May	5	Oct.	3	May	24	Sept. 15.
Glens Falls	16	May	8	Oct.	4	May	25	Sept. 15.
Gloversville	17	May	10	Sept.	25	May	25	Sept. 11.
Honeymead Brook	14	May	11	Oct.	9	May	17	Sept. 25.
Little Falls	12	May	5	Oct.	6	May	21	Sept. 15.
New York	35	April	10	Nov.	6	April	30	Oct. 15.
Plattsburg	16	May	10	Oct.	9	June	23	Sept. 25.
Port Jervis	19	April	30	Oct.	10	May	17	Sept. 15.
Saranac Lake	16	May	24	Sept.	13	June	12	Aug. 19.
Setauket	20	April	11	Nov.	8	April	23	Oct. 22.
West Point	9	April	20	Oct.	17	May	6	Sept. 28.

HYDROGRAPHIC DATA FOR SECTION 104.

Summary of Climatological Data for the United States, Compiled From the Records of the United States Geological Survey.

By R. H. BOLSTER, *Assistant Engineer.*

PRELIMINARY NOTE: Only the broader facts concerning the rivers are here given. Information in more detail can be procured upon application to the Director, United States Geological Survey, Washington, D. C.

This section comprises Lake Champlain drainage on the north, flowing north to St. Lawrence River, and Hudson River drainage in the central and southern portions, flowing south to the Atlantic Ocean.

Lake Champlain occupies a long and narrow valley extending in a southern and northern direction and forming a part of the boundary between New York and Vermont. The elevation of the lake is about 95 feet above tide and the water surface area is about 436 square miles.

The drainage basin is irregular in form, being about 75 miles wide from a point opposite Middlebury, Vt., northward to the outlet of the lake at Rouse Point, on the international boundary. South of Middlebury the average width of the basin is about 35 miles and the lake itself is very narrow, forming virtually a drowned river. The drainage is received almost entirely through large tributaries, there being little direct coast drainage into the lake. The outlet of the lake is Richelieu River, which flows northward from Rouse Point to St. Lawrence River.

The principal sources of Hudson River lie in the wildest portion of the Adirondack Mountains, in Essex County, northeastern New York. A number of branches, any one of which might be considered the main stream, form its upper waters; but if the highest collected and permanent body of water be assumed as the true head, then the source of the Hudson becomes Lake Tear-of-the-Clouds, which lies at an elevation of 4,322 feet above tide, in the center of the triangle formed by Mount Marcy and Skylight and Gray Peaks.

The river flows rather irregularly southward until it reaches the northern boundary of Saratoga County, when it makes a sharp turn and flows eastward for about 12 miles, passing through the mountains and forming, as it cuts across the rocky strata, several falls of great height and beauty. At Sandy Hill, just below Glens Falls, it makes another abrupt turn and flows southward, continuing in this direction until it empties into New York Bay.

From Lake Tear-of-the-Clouds to the mouth of the river the distance by water is probably about 300 miles. The total area drained is 13,366 square miles. The river is tidal to Troy, which is also at the head of navigation.

The headwater region is mountainous in character, in general heavily wooded, and dotted with numerous lakes and ponds. The rocks, belonging to the oldest formation and mainly granitic, are either bare or covered only with a layer of spruce duff, humus, and forest litter. The river emerges from the mountain region a few miles west of Glens Falls, and thence to Troy the topography is moderately rolling and the surface soil is chiefly sand. Below Troy the river follows the great depression which extends almost due north and south between New York Bay and the St. Lawrence, flowing in an open valley bordered by well-cultivated lands, which rise with moderate slope from the stream. The Catskill mountain region is reached 20 or 30 miles below Albany, and thence to the mouth of the river the immediate valley is flanked by high hills, the highlands of Orange County and the precipitous Palisades being especially noticeable.

The fall in the upper portion of the course is very rapid, amounting to about 64 feet per mile. From Lake Tear-of-the Clouds to the mouth of the Sacandaga the descent is nearly 14 feet per mile, distributed among rapids which diminish in frequency as the Sacandaga is approached. In the succeeding 26 miles to Fort Edward the river descends 418 feet more, but of this 175 feet is comprised within three abrupt pitches at Palmer, Glens and Baker Falls, while most of the remainder occurs in the rapids between Jessup Landing and the oxbow above Glens Falls. Between Glens Falls and Troy nearly the entire fall of the river is utilized for the development of water power.

The tributaries of the Hudson are numerous, and many of them are large and important. Indian River, Schroon River and the Sacandaga, unite with the main stream above Glens Falls, and between the latter point and Troy, it receives Batten Kill, Fish Creek, Hoosic River and the Mohawk, the latter having several important tributaries, including West and East Canada and Schoharie Creeks. The tributaries below Troy include Catskill, Esopus and Rondout creeks, and Wallkill River from the west, and Kinderhook Creek, Jansen Kill, Wappinger Creek, Fishkill Creek, and Croton River from the east.

Conditions during the winter period vary from the extreme cold and deep snow of the Adirondacks to the areas in the southern portion of the basin which are subject to frequent winter thaws.

The flow of the upper Hudson is controlled to some extent during the dry season by the use of Indian Lake storage reservoir, and the natural storage facilities in the Adirondacks are unsurpassed, there being a great many ponds and lakes, many of large size, and fed from extensive drainage areas. Comprehensive plans for vast storage projects on the Sacandaga, Schroon and Upper Hudson, are receiving the attention of the New York State Water Supply Commission. It is probable that on the various tributaries of the Hudson an increase in storage capacity of some 75,000,000,000 cubic feet is possible, and if this were developed the Hudson would be probably the most important water power stream in the country. While a large amount of power has been developed in the Hudson drainage area there are vast quantities as yet unutilized, and the importance of this river basin is apparent, when it is considered that in proportion to its size, it contains a greater population than any other important drainage basin in the United States, with the single exception of the Delaware River.

Mohawk River, the largest of the tributary streams, with a total drainage area of 3,470 square miles, rises in the sandy hills south of Booneville, in western New York, about 40 miles from the east end of Lake Ontario. Its uppermost tributaries are fed by large springs, and in addition the stream receives considerable water brought in from the adjacent Black River drainage basin for the supply of the Black River and Erie Canals.

The Mohawk flows southward until it reaches the city of Rome, at which point it turns to the east, flowing across the State in a course a little south of east until it enters the Hudson at Cohoes, a few miles above Troy, with a total length of about 140 miles.

The immediate valley of the Mohawk is broad and open, at many places a mile or two in width, from which there is a rise, usually gradual, but sometimes abrupt, to hills which attain altitudes several hundred feet above the stream. Toward the mouth of the river the valley becomes more contracted and the meadows disappear. The flats which border the stream have a rich alluvial soil, finely adapted to the raising of grass, grains, and broom corn; the more elevated lands are covered with sandy and gravelly loam.

Above Rome the Mohawk flows in a deep gorge in shale rock; from Rome eastward to Little Falls the valley is deeply filled with alluvial deposits, and the flood plains on either side become submerged during freshets, thus acting to some extent as storage reservoirs. At Little Falls the river cuts through a rocky gorge, whose walls rise precipitously 500 or 600 feet.

Below Rome the fall of the river is small and rather uniform, being made up of long quiet reaches with slight riffles; but at Little Falls this uniformity is broken, and the stream descends in a succession of falls about 45 feet in half a mile. The average fall between Rome and the lower aqueduct at Crescent, a distance of 110.7 miles, is 2.48 feet per mile; thence to the level of slackwater above Troy dam there is a further descent of 149.5 feet in 4.4 miles, but of this 105 feet is included within the improved power at Cohoes.

The Erie Canal parallels the Mohawk River and derives a part of its water supply from it. The new Barge Canal, at present under construction by the state of New York, will utilize by canalization the greater portion of the river between Albany and Utica.

The water supply for the new canal in the section between Syracuse and Utica will, to a large extent, come from the Mohawk. A high dam is to be placed across the Mohawk at Delta, six miles north of Rome, forming a large reservoir to supply the summit level of the canal near Rome. This supply will be supplemented by a reservoir on West Canada Creek at Hinckley, discharging by a conduit into Nine Mile Creek and thence to the Rome summit level.

The following table shows in a general way the stream flow which can be expected to prevail for a given month of an average year. Opposite each month is given: First, the maximum flow for a 24-hour period which has been observed during the period covered by the table; second, the minimum flow for a 24-hour period which has been observed during the period covered by the table; third, the mean flow for that month during the entire period covered by the table. The remaining columns are computed from the third column of mean monthly discharge. Column four gives the mean flow for the entire period in cubic feet per second per square mile on the assumption of a uniform rate of discharge from each square mile of the drainage area. Column five gives the depth, in inches, to which the entire drainage area would be covered in an average month if all the water flowing from it during that month were conserved and uniformly spread over the surface. It is used for comparing run-off with rainfall, which is usually expressed in depth in inches.

Monthly Discharge of Hudson River, Mechanicsville, N. Y. For period January 1, 1891, to December 31, 1900.—Drainage area, 4,500 square miles.

Month.	Discharge in second feet.				Run-off. Depth in inches or drainage area.
	Maximum.	Minimum.	Mean.	Per square mile.	
January	33,500	2,510	7,220	1.60	1.84
February	31,100	2,770	6,610	1.47	1.53
March	39,200	2,980	11,900	2.64	3.04
April	59,400	4,410	19,900	4.42	4.93
May	54,100	2,950	10,800	2.40	2.77
June	26,300	304	5,880	1.31	1.46
July	31,100	1,050	4,120	.916	1.06
August	26,400	484	3,930	.873	1.01
September	26,000	711	3,130	.696	.78
October	22,500	540	3,330	.740	.85
November	30,900	950	7,160	1.60	1.78
December	35,700	2,200	7,430	1.65	1.90
For the period	59,400	304	7,620	1.69	22.95

Monthly Discharge of Lake George Outlet, Ticonderoga, N. Y. For period September, 1904, to December, 1905.—Drainage area, 220 square miles.

January	223	56	181	.823	.95
February	193	70	173	.786	.82
March	361	60	174	.791	.91
April	529	48	377	1.72	1.92
May	533	80	396	1.80	2.08
June	449	84	370	1.68	1.87
July	449	70	336	1.53	1.76
August	456	70	338	1.54	1.78
September	369	12	251	1.14	1.27
October	361	24	252	1.15	1.33
November	342	25	240	1.09	1.22
December	263	24	195	.886	1.02
For the period	533	12	274	1.24	16.93

Monthly Discharge of Esopus Creek, Kingston, N. Y. For period July 1, 1901, to December 31, 1906.—Drainage area, 324 square miles.

Month.	Discharge in second feet.				Run-off. Depth in inches or drainage area.
	Maximum.	Minimum.	Mean.	Per square mile.	
January	4,060	93	877	2.71	3.12
February	3,710	88	782	2.41	2.91
March	13,800	45	2,260	6.98	8.05
April	8,410	371	1,500	4.63	5.17
May	2,190	73	500	1.54	1.78
June	5,550	52	707	2.18	2.43
July	2,530	29	295	.910	1.05
August	6,950	31	390	1.20	1.38
September	17,800	46	601	1.85	2.06
October	18,700	119	870	2.69	3.10
November	1,830	113	418	1.29	1.44
December	16,100	146	1,160	3.58	4.13
For the period	18,700	29	863	2.66	36.22

Monthly Discharge of Hudson River, Thurman, N. Y. For period September, 1907, to December, 1908.—Drainage area, 1,550 square miles.

January	5,300	....	2,620	1.69	1.95
February	....	....	3,630	2.34	2.44
March	9,620	....	4,750	3.06	3.53
April	14,400	5,700	8,520	5.50	6.14
May	14,200	3,090	7,900	5.10	5.88
June	3,300	962	1,700	1.10	1.23
July	2,400	568	1,410	.910	1.05
August	1,200	794	943	.608	.70
September	3,360	552	1,120	.723	.81
October	7,400	530	1,880	1.21	1.40
November	11,200	643	2,720	1.75	1.95
December	6,020	1,680	2,240	1.45	1.67
For the period	....	....	3,290	2.12	28.75

Monthly Discharge of Mohawk River, Dunsbach Ferry, N. Y. For periods October, 1898, to March, 1899; August, 1900, to December, 1902, and October, 1903, to December, 1907.—Drainage area, 3,440 square miles.

January	55,200	1,180	5,560	1.62	1.87
February	17,800	757	2,860	.831	.87
March	53,000	826	11,600	3.37	3.88
April	45,100	1,950	14,200	4.13	4.61
May	21,500	1,200	6,650	1.93	2.22
June	29,000	1,630	4,650	1.35	1.51
July	18,800	826	3,020	.878	1.01
August	13,700	457	2,170	.631	.73
September	27,500	373	2,920	.849	.95
October	84,900	373	5,420	1.58	1.82
November	41,400	625	5,170	1.50	1.67
December	39,400	1,430	6,390	1.86	2.14
For the period	84,900	373	5,880	1.71	23.28

Monthly Discharge of Saranac River, Plattsburg, N. Y. For period April 1, 1903, to December 31, 1908.—Drainage area, 624 square miles.

Month.	Discharge in second feet.				Run-off. Depth in inches or drainage area.
	Maximum.	Minimum.	Mean.	Per square mile.	
January	2,940	100	589	.944	1.09
February	1,610	137	501	.803	.84
March	4,680	172	1,040	1.67	1.92
April	3,920	306	1,440	2.31	2.58
May	3,170	136	1,180	1.89	2.18
June	1,870	149	745	1.19	1.33
July	4,190	100	645	1.03	1.19
August	2,540	15	520	.833	.96
September	1,970	37	501	.803	.90
October	1,330	42	537	.861	.99
November	1,150	61	520	.833	.93
December	1,290	77	486	.779	.90
For the period	4,680	15	725	1.16	15.81

Monthly Discharge of Kinderhook Creek, Rossman, N. Y. For period April 1, 1907, to December 31, 1908.—Drainage area, 331 square miles.

January	2,020	257	723	2.18	2.51
February	5,050	187	684	2.07	2.16
March	3,100	253	1,040	3.14	3.62
April	2,980	477	1,010	3.05	3.40
May	1,550	159	631	1.91	2.20
June	1,060	127	354	1.07	1.19
July	560	77	220	.665	.77
August	369	66	146	.441	.51
September	159	15	80.5	.243	.27
October	870	23	152	.459	.53
November	1,140	27	251	.758	.85
December	1,620	34	406	1.23	1.42
For the period	5,050	15	475	1.43	19.43

Monthly Discharge of Catskill Creek, South Cairo, N. Y. For period July, 1901, to December, 1903, and April-December, 1905.—Drainage area, 263 square miles.

January	9,460	63	486	1.85	2.13
February	3,790	63	480	1.83	1.91
March	18,600	304	2,000	7.61	8.77
April	18,300	82	819	3.11	3.47
May	352	15	73.3	.279	.32
June	3,090	13	256	.973	1.09
July	3,030	9	210	.798	.92
August	1,190	11	153	.582	.67
September	2,820	26	176	.669	.75
October	1,690	24	238	.905	1.04
November	766	20	128	.487	.54
December	5,060	42	448	1.70	1.96
For the period	18,600	9	456	1.73	23.57

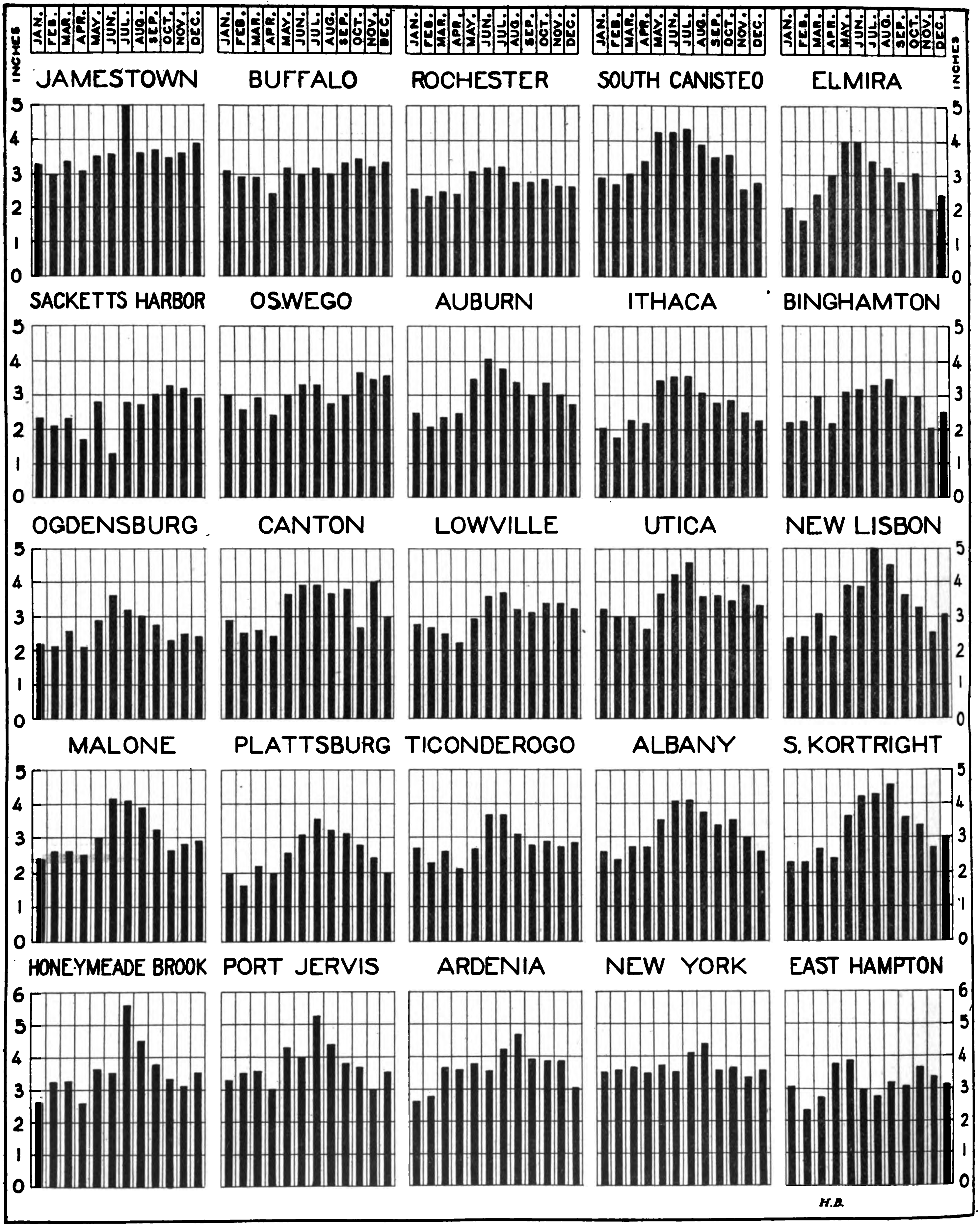
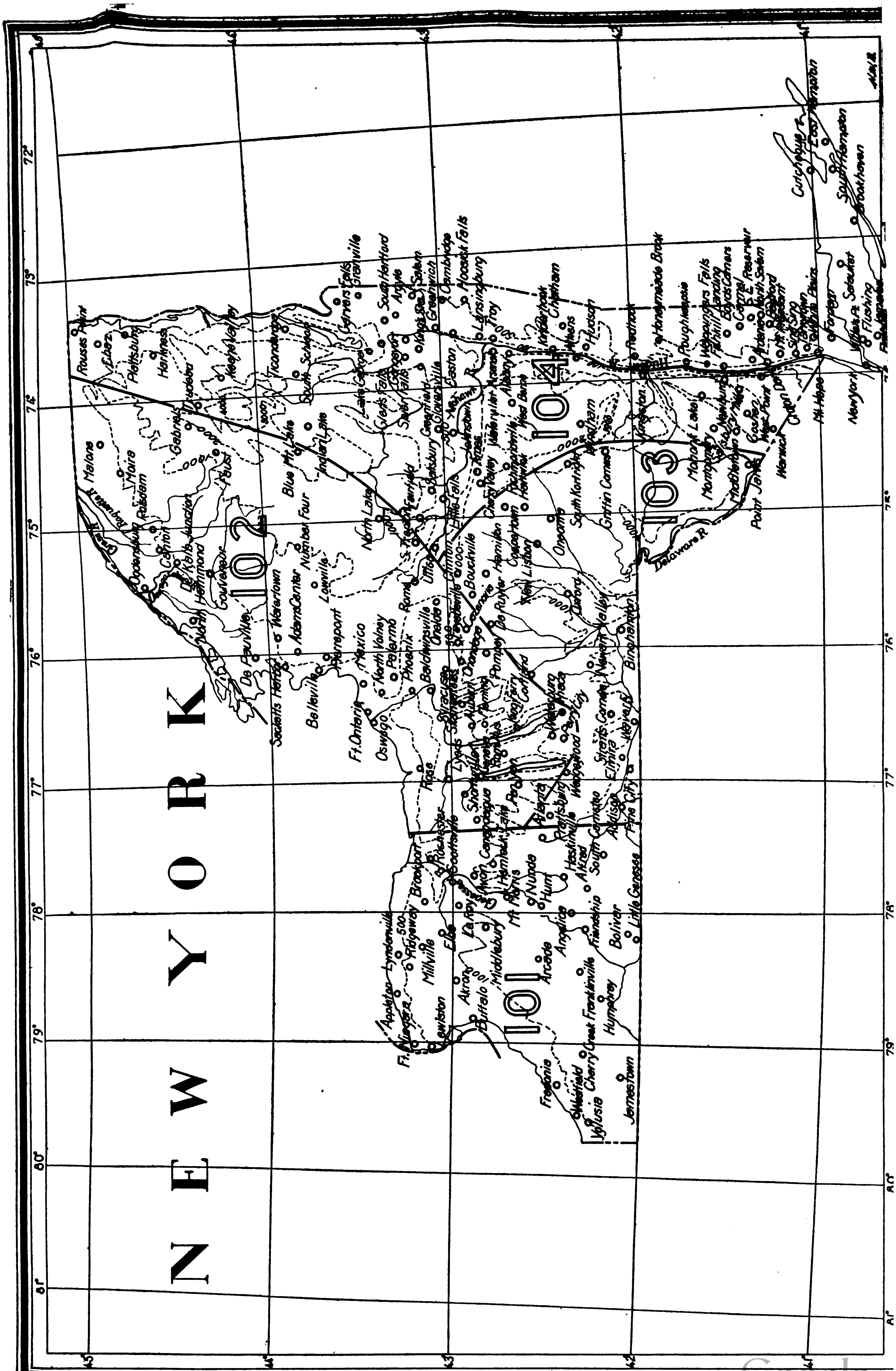


FIG. 1.—Chart showing the comparative monthly distribution of rainfall.

 NEW YORK
101
102
103
104
Rouses Point
Plattsburg
Malone
Ogdensburg
Potsdam
Canton
Gouverneur
Watertown
Sacketts Harbor
Oswego
Ft. Ontario
Rome
Utica
Syracuse
Auburn
Cortland
Ithaca
Elmira
Binghamton
Rochester
Buffalo
Lewiston
Ft. Niagara
Jamestown
Fredonia
Albany
Troy
Saratoga
Glens Falls
Ticonderoga
Hudson
Kingston
Poughkeepsie
Newburg
West Point
Port Jervis
Delaware R.
Mohawk R.
Sing Sing
New York
Brooklyn
Flushing
Cutchogue
East Hampton
South Hampton
Brookhaven
Mt. Hope
72°
73°
74°
75°
76°
77°
78°
79°
80°
81°
41°
42°
43°
44°
45°

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Division of Meteorological Records, P. C. Day, Acting Chief of Division.

Section 105.—NEW HAMPSHIRE, VERMONT, MASSACHUSETTS, RHODE ISLAND AND CONNECTICUT.

The section comprising the states of New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut covers an area of somewhat more than thirty-two thousand squares miles in the northeastern portion of the United States. The interior is much broken and diversified by the northern continuation of the Appalachian Mountain chain, which, in this section, is broken into several detached ranges. The most important of these are the Green Mountains, which separate the Connecticut River Valley from that of the Hudson River and Lake Champlain. In Vermont this range reaches a maximum elevation of 4,389 feet at Mount Mansfield. From Mount Mansfield, in the northern portion of Vermont, the height of the range diminishes to that of the Hoosac Mountains and Berkshire Hills in western Massachusetts, and to the lower elevations of northwestern Connecticut. The White Mountains, covering the central and northern portions of New Hampshire, attain the highest elevation of any land surface in the northeastern portion of the United States, with an altitude of 6,293 feet at Mount Washington, which is the second highest mountain east of the Mississippi River, being exceeded in height only by Mount Mitchell in North Carolina. The coast line in the northeastern portion of Massachusetts is somewhat bold and rocky. South of Massachusetts Bay, however, it is generally sandy, with few islands and less indented by the ocean. The land surface of the section has, in general, a gradual slope toward the ocean. Owing to the mountainous and broken surface of the section, there are many ponds, lakes, small streams and rivers. The only lakes of considerable size are Lake Champlain, forming a large portion of the western border of Vermont, and Lake Winnepesaukee in New Hampshire. The largest rivers are the Merrimac and Connecticut. These streams, with their tributaries and numerous smaller rivers, give a large and valuable water power, which is greatly used for manufacturing and other purposes. A considerable part of the interior of the section is covered by a larger or smaller growth of wood, which, however, is generally broken into small areas, except in the central and northern portions of New Hampshire and Vermont.

In connection with the tables of precipitation, a brief description of the drainage basins of the most important rivers, from the reports of the United States Geological Survey, is considered of value with reference to water storage and run-off, and will be found at the end of the tables.

CLIMATIC CHARACTERISTICS.

The climate of this section is determined chiefly by the passage over or near to it of the areas of high and low barometric pressure, and the character of the daily changes in the several elements of temperature, precipitation, sunshine and wind force is dependent on the strength, rate of movement, and path of travel of these anticyclones and cyclones. These pressure areas pass over or within the vicinity of the section on an average of once in each three to four days through the several seasons. They are, however, with occasional exceptions, much more pronounced during the winter months than at other seasons of the year. The highs are usually attended by fair weather and lower temperatures, while the lows are accompanied with unsettled weather, often with local or general precipitation, higher temperatures, and winds of moderate to gale force, depending on the intensity of the storm. The climate is of the continental type, modified somewhat in the islands and coast sections by the waters of the Atlantic Ocean. On account of the geographical location of the section, there is a marked difference in the length of the seasons. Winter weather prevails through a period of five to six months, and the three seasons that embrace the rest of the year are consequently short. During the winter months the minimum temperatures range from —4°, in the island of Marthas Vineyard, to —40° in the northern portions of New Hampshire and Vermont. The minimum temperature falls to 32°, or below, on an average over the whole section of 135 days yearly. The range in the several states is from 106 days, in Rhode Island, to 165 days, in New Hampshire. There are warm spells during the summer and fall months during which the temperatures reach 90°, or above, in nearly all sections. The highest maximum temperatures of record range from 89°, at Nantucket Island, to 104°, at Providence, R. I. Maximum temperatures of 100° and 101° are of record in parts of all the states of the section. The annual average number of days, whole section, with maximum temperatures of 90°, or above, is 5. The heated terms are, therefore, of short duration, seldom exceeding two to four successive days. The annual mean temperature of the section is 46.7°, and ranges from 53.2°, in Vermont, to 49.0°, in Rhode Island. The annual means in individual years, entire section, have ranged from 41.0° to 50.0°. Spring is a brief season in all parts of the section. The summers are longer, well defined, and generally exceptionally pleasant. The few warm days that are experienced are usually followed by pleasantly cool nights. In coast sections sea breezes are almost a daily feature of the weather of the summer months. The autumns, if possible, are often more enjoyable than the summers, embracing, as they do, much sunny weather, moderate temperatures, and, at times, a few weeks of the delightful weather conditions popularly known as "Indian summer."

The annual precipitation of the section is 43.90 inches, and varies from 37.90 inches, in Vermont, to 49.00 inches, in Rhode Island. The precipitation is quite evenly distributed through the several seasons. The annual winter mean is 11.00 inches and the summer mean 10.90 inches, and there are no marked departures from these amounts in the means of spring and fall. A large portion of the annual precipitation is in the form of snow, and in northern sections it is nearly wholly snow during the winter months. The annual average snowfall of the section is 57.1 inches, ranging in the several states from 38.2 inches, in Rhode Island, to 82.0 inches, in Vermont. The smallest annual average in the section is 24.1 inches, at Block Island, R. I., and the largest amount, 110.6 inches, at Jacksonville, Vt. Snow falls in measurable amounts from October to May, inclusive. The accumulated snow in the interior and northern sections is, at times, several feet in depth, and when this is suddenly melted by rains or unseasonably high temperature, great freshets result and the floods sometimes cause much damage.

Early and late frosts are an important feature of the climate of portions of the section. In southeastern coast and island sections are extended and valuable cranberry interests. The cranberry crop—of great value—is at times greatly endangered by early or late frosts. The average date of the first killing frost in autumn ranges from September 10, in New Hampshire, to November 16, at Block Island, R. I. The earliest date of killing frost in autumn is August 27, in Vermont. The average date of the last killing frost in spring is from April 26, in Rhode Island, to May 23, in New Hampshire. The last frost in spring is from April 21, at Nantucket Island, to June 30, in New Hampshire. In off seasons frosts sufficiently severe to kill tender vegetation have occurred in portions of the northern sections in all of the summer months.

The prevailing winds for the year are westerly. As a rule the percentage of easterly winds is greatest in May and June.

The average sunshine varies greatly over the section. In some localities in the northern portion the monthly averages in winter fall to 31 per cent. During the summer months and often including September, the percentage ranges from 58 to 67 per cent. The yearly average of sunshine, for the entire section, is about 54 per cent.

Fog is an irregular feature of the weather in coast sections and it is not confined to any one season or part of the year. It is, however, most prevalent in April and May.

While the seasons of the section are very unevenly divided, the climate as a whole, will compare favorably with that of the other northern sections of the United States.

J. W. Smith, *Section Director*.

Precipitation in New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut. Monthly, annual, and average amounts (in inches and hundredths).

NEW HAMPSHIRE.

[Figures in bold-face type estimated from surrounding stations.]

BETHLEHEM, GRAFTON CO., N. H.—Elevation, 1,470 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1892..	......	......	......	......	......	......	......	......	......	......	......	1.39	.....
1893..	1.50	2.45	2.62	1.92	2.30	6.09	3.10	5.19	2.69	4.08	1.13	3.43	36.50
1894..	2.71	1.87	1.50	1.92	2.37	3.45	2.64	2.12	3.42	2.40	1.77	1.84	28.01
1895..	1.06	0.65	1.11	2.90	3.99	2.72	2.70	4.47	3.23	1.36	5.98	4.06	34.23
1896..	0.57	2.69	5.06	1.25	2.44	2.09	6.01	3.73	3.98	3.37	2.68	0.98	34.85
1897..	2.54	1.52	2.43	2.65	5.52	6.97	6.21	4.07	2.93	1.41	5.62	3.15	45.02
1898..	2.85	5.36	1.44	3.09	2.83	5.10	2.55	7.13	5.12	4.32	4.07	2.23	46.09
1899..	2.43	3.87	5.61	0.98	1.77	2.92	5.49	1.03	3.83	2.81	2.68	1.72	35.14
1900..	4.98	4.71	3.98	1.45	3.30	1.73	4.13	3.65	4.16	5.02	5.77	2.06	44.94
1901..	1.90	1.50	3.80	3.08	3.50	4.34	4.94	3.10	2.79	3.83	2.41	4.66	39.85
1902..	1.18	2.14	4.95	3.38	5.07	5.30	4.28	3.39	3.35	5.09	1.54	2.76	42.43
1903..	2.73	3.23	5.41	1.36	0.29	3.64	4.26	2.11	0.80	2.83	1.30	1.78	29.74
1904..	1.98	1.30	1.68	3.01	4.09	2.51	3.08	4.53	7.30	2.88	1.66	1.41	35.43
1905..	2.59	1.00	2.52	2.04	2.91	5.54	6.00	5.18	6.61	1.29	1.84	3.64	41.16
1906..	1.29	2.52	2.34	1.42	5.05	5.21	3.47	4.06	2.15	4.20	1.80	1.89	35.40
1907..	1.40	1.90	2.41	4.10	2.73	3.94	4.19	1.91	......	4.93	2.49	2.85	.....
1908..	2.49	2.43	2.16	2.56	2.84	2.28	3.74	2.68	1.19	1.81	1.75	2.73	28.66
M'ns	2.14	2.45	3.06	2.32	3.19	3.99	3.67	3.65	3.57	3.23	2.78	2.51	36.56

NASHUA, HILLSBORO CO., N. H.—Elevation, 125 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1885..	......	......	......	......	......	.....	......	5.75	1.48	3.91	4.20	2.58	.....
1886..	5.86	5.71	2.99	1.62	2.70	1.79	3.12	2.71	4.13	2.37	4.66	4.51	42.17
1887..	5.43	4.83	4.43	3.37	1.87	3.34	7.95	5.50	1.18	2.36	3.31	4.07	47.64
1888..	4.21	4.17	5.06	3.25	2.64	1.67	1.63	4.02	9.54	6.35	4.37	3.94	50.85
1889..	3.42	1.72	2.17	2.76	4.19	1.84	7.00	2.36	3.34	4.64	5.65	3.24	42.33
1890..	2.57	4.21	7.11	1.42	4.88	3.39	3.85	5.86	6.01	7.39	1.30	5.03	53.02
1891..	6.61	4.25	5.43	2.95	2.13	3.33	3.28	1.60	1.58	2.33	2.18	3.50	39.17
1892..	4.54	2.71	3.11	0.51	5.39	3.78	2.29	5.28	1.49	1.09	5.25	0.96	36.40
1893..	2.29	7.23	2.79	2.68	6.27	2.71	1.84	4.86	1.82	3.35	1.92	4.81	42.57
1894..	2.84	2.95	0.93	2.49	3.58	0.34	3.36	0.49	3.03	3.02	3.03	3.44	29.50
1895..	3.00	1.03	2.71	3.88	3.12	2.29	3.48	3.36	2.46	6.50	5.93	3.16	40.92
1896..	1.93	5.61	6.45	1.00	2.02	1.78	2.52	3.40	5.88	2.85	2.52	1.87	37.83
1897..	4.19	2.88	3.73	1.88	4.48	5.12	4.45	3.98	2.07	1.00	6.60	5.45	45.83
1898..	5.84	4.57	1.47	4.74	2.92	3.25	5.04	6.56	1.81	6.57	5.32	3.05	51.14
1899..	3.51	3.15	7.67	2.02	1.91	4.01	3.01	2.25	4.45	1.92	1.87	1.35	37.12
1900..	4.46	8.19	6.73	1.80	3.06	1.90	1.49	4.11	3.63	2.76	5.50	2.96	46.59
1901..	2.02	0.91	4.42	8.02	6.05	1.66	2.91	3.30	2.02	3.13	1.70	7.61	43.75
1902..	2.15	4.27	5.32	5.54	3.08	2.05	3.33	7.12	4.17	5.96	0.77	6.16	49.92
1903..	3.05	4.18	5.29	2.92	0.63	7.69	2.90	2.84	2.82	4.56	1.92	3.00	41.80
1904..	4.14	1.99	2.75	8.15	2.95	2.39	1.85	4.52	4.18	0.94	1.45	2.31	37.62
1905..	4.99	1.57	3.43	2.35	0.82	5.01	1.31	4.19	4.86	1.05	1.42	4.05	35.05
1906..	2.35	2.51	5.29	2.75	7.22	5.83	3.98	2.46	0.84	2.24	2.69	4.05	42.21
1907..	1.99	1.87	1.80	2.47	2.16	2.40	4.68	1.46	8.42	4.04	5.06	4.26	40.61
1908..	2.82	4.80	2.61	1.96	4.23	0.96	4.30	7.42	0.63	1.92	0.97	2.87	35.49
M'ns	3.66	3.71	4.07	3.07	3.40	2.98	3.46	3.98	3.41	3.43	3.32	3.68	42.17

PLYMOUTH, GRAFTON COUNTY, N. H.—Elevation, 500 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1887..	......	.....	......	......	......	.....	......	......	......	1.69	3.50	4.94	.....
1888..	4.17	5.09	7.19	3.59	3.97	3.17	1.58	3.91	8.06	5.18	5.28	2.28	53.47
1889..	4.29	2.86	2.24	1.60	2.21	4.61	4.67	3.17	4.63	4.14	4.66	5.09	44.17
1890..	3.85	4.82	4.41	2.19	6.71	2.95	4.46	5.60	5.63	4.93	2.05	3.94	51.07
1891..	6.09	3.35	3.85	2.31	2.25	2.86	5.58	5.29	1.23	1.66	3.26	5.45	43.21
1892..	5.01	1.93	1.67	1.04	5.53	6.76	1.66	10.85	1.10	1.90	4.29	0.95	42.69
1893..	2.48	5.73	2.78	2.42	2.94	1.92	2.27	6.01	1.92	5.46	2.57	4.02	40.52
1894..	2.01	2.75	1.84	1.67	4.36	3.70	2.43	3.12	4.32	3.83	2.27	1.88	34.18
1895..	2.47	0.30	1.65	7.21	2.46	3.75	3.12	3.99	3.53	2.00	5.26	5.52	41.27
1896..	0.39	5.51	7.83	0.94	1.69	1.34	2.92	3.61	5.55	5.09	5.26	1.07	41.20
1897..	3.27	2.79	3.49	1.60	4.57	5.49	6.77	2.53	0.92	1.87	5.17	4.80	43.27
1898..	5.38	3.56	1.26	2.83	2.90	2.92	2.31	5.29	4.47	3.98	3.64	1.72	40.26
1899..	2.83	2.06	5.70	1.77	1.17	2.74	3.44	2.87	3.09	1.78	1.54	1.78	30.77
1900..	4.86	6.44	4.75	0.65	1.72	2.44	3.22	2.42	1.61	3.94	6.15	0.97	39.17
1901..	1.52	0.42	4.30	4.48	5.94	1.75	6.79	4.37	2.42	1.37	1.77	6.20	41.33
1902..	2.27	1.83	4.37	3.41	3.02	4.52	3.20	3.86	5.72	4.27	1.16	5.22	42.85
1903..	3.92	3.14	5.29	1.33	0.15	6.34	4.44	3.28	0.73	3.94	1.50	2.55	36.59
1904..	2.05	1.32	2.84	5.58	5.14	2.26	4.14	4.18	6.40	3.04	0.84	1.36	39.15
1905..	3.30	1.52	2.86	1.83	1.66	4.66	4.04	4.80	8.76	2.17	2.51	3.22	41.33
1906..	2.42	2.32	3.15	2.38	5.27	3.87	3.64	1.59	1.50	4.03	1.94	2.68	34.79
1907..	2.03	1.24	2.85	3.60	2.81	3.24	2.91	1.35	7.14	5.36	4.26	3.88	40.70
1908..	2.05	3.21	1.67	2.81	5.46	0.68	5.18	4.57	0.94	1.07	1.25	2.95	31.84
M'ns	3.17	2.96	3.62	2.63	3.41	3.43	3.75	4.13	3.79	3.30	3.19	3.29	40.67

ALSTEAD, CHESHIRE CO., N. H.—Elevation, 1,120 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	......	......	......	......	......	......	......	4.75	1.62	2.70	1.61	3.31	.....
1894..	2.11	1.85	1.33	0.97	2.40	3.72	1.69	2.84	2.56	2.68	2.25	2.52	26.92
1895..	2.88	1.29	2.20	4.84	1.14	2.18	3.37	1.98	3.66	2.39	5.30	3.20	34.43
1896..	0.84	4.40	5.83	1.18	1.42	1.44	3.05	5.01	5.60	3.35	2.78	0.88	35.78
1897..	2.67	2.91	3.74	3.66	3.46	7.11	12.16	4.38	1.76	1.91	7.39	5.20	56.35
1898..	5.19	4.76	0.84	3.58	4.30	3.05	2.16	7.40	5.34	4.89	7.31	2.96	51.78
1899..	2.41	3.50	6.87	1.44	1.31	1.33	5.30	1.24	3.77	2.03	2.27	2.58	34.05
1900..	5.02	8.09	4.44	1.48	3.72	3.32	2.98	5.32	2.28	3.64	7.29	2.23	49.81
1901..	1.88	0.47	4.64	5.07	5.81	1.78	5.68	5.31	3.34	2.92	1.21	7.26	45.37
1902..	2.88	2.10	5.95	5.52	4.36	4.84	7.85	3.53	5.37	4.77	1.24	6.76	55.17
1903..	3.15	4.02	6.13	2.27	1.33	7.37	2.76	6.29	1.38	2.45	1.84	3.85	42.82
1904..	3.99	1.77	3.00	5.59	3.59	1.44	1.75	3.21	6.24	2.08	**1.10**	1.76	35.52
1905..	4.40	0.80	2.00	......	......	......	......	4.89	6.45	1.27	2.51	3.25	.....
1906..	2.55	3.52	3.65	2.07	6.15	4.25	6.58	2.23	1.80	3.18	1.82	2.61	40.41
1907..	1.87	1.12	1.86	2.77	2.91	3.49	4.00	2.19	8.33	5.64	4.64	3.38	42.20
1908..	2.08	3.27	2.34	2.92	5.10	1.16	4.08	4.51	0.93	1.89	0.91	2.64	31.83
M'ns	2.93	2.92	3.52	3.10	3.36	3.32	4.53	4.07	3.78	2.99	3.22	3.30	41.04

KEENE, CHESHIRE COUNTY, N. H.—Elevation, 506 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	**2.08**	7.02	1.97	2.20	3.63	3.21	2.06	8.96	2.45	3.54	1.40	3.62	42.14
1894..	1.91	2.20	1.21	1.68	3.48	2.49	2.56	1.05	3.55	2.18	2.04	2.77	27.12
1895..	2.56	0.93	1.89	4.51	1.76	3.38	4.62	3.91	2.80	3.05	5.34	3.10	37.85
1896..	0.89	2.88	6.19	1.45	2.05	1.46	3.09	2.81	5.51	3.24	2.37	0.81	32.75
1897..	2.55	1.79	4.08	2.74	3.62	5.71	10.19	4.01	1.77	1.86	6.04	5.17	49.53
1898..	4.68	3.22	0.97	3.58	4.58	3.41	1.25	4.87	3.27	6.67	5.05	2.45	44.00
1899..	2.68	3.19	6.02	1.14	2.39	2.80	5.28	1.78	3.83	1.23	1.80	1.71	33.85
1900..	4.35	6.46	4.28	1.86	3.62	2.61	4.39	3.42	2.79	3.15	5.68	2.07	44.68
1901..	1.69	0.60	4.61	3.77	5.48	1.95	5.65	6.37	3.31	4.36	1.79	6.70	46.28
1902..	1.99	2.32	3.86	3.79	3.40	3.98	4.95	4.26	4.18	4.14	0.82	5.55	43.24
1903..	2.73	3.58	4.67	2.13	0.79	6.17	2.09	4.27	1.88	2.16	1.80	2.72	34.99
1904..	2.91	1.45	2.21	5.02	2.70	1.98	2.48	5.37	4.91	1.95	1.91	1.66	34.55
1905..	3.45	1.30	2.73	1.40	1.48	3.58	1.35	5.01	6.55	1.12	2.04	3.25	33.26
1906..	2.14	2.28	3.46	2.03	5.16	3.14	4.88	1.75	1.44	3.63	2.03	3.11	35.05
1907..	1.99	1.48	1.68	2.51	2.76	2.82	5.85	2.34	7.73	4.83	3.44	3.47	40.90
1908..	2.20	3.16	2.67	3.02	3.94	0.78	4.70	4.59	0.72	1.35	1.00	2.46	30.59
M'ns	2.55	2.74	3.28	2.68	3.18	3.09	3.52	4.05	3.54	3.03	2.78	3.16	37.60

GRAFTON, GRAFTON CO., N. H.—Elevation, 863 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1879..	......	......	......	......	......	......	......	......	3.32	1.79	5.10	4.50	.....
1880..	4.17	2.41	1.88	3.20	2.75	3.27	5.26	2.94	3.21	4.18	2.87	2.78	38.92
1881..	3.36	3.77	4.76	1.29	4.43	2.31	5.08	2.13	2.27	3.97	3.03	6.22	42.62
1882..	3.41	3.92	......	......	5.45	4.38	2.54	1.27	10.70	1.06	0.86	2.32	.....
1883..	2.14	3.23	2.07	2.15	2.97	3.70	4.70	6.44	3.42	4.98	2.81	3.05	41.66
1884..	4.80	4.79	5.05	......	......	......	......	......	......	......	......	4.56	.....
1885..	4.39	......	......	......	......	......	......	......	......	......	......	......	.....
1886..	......	3.47	......	......	......	2.46	3.27	2.47	3.24	3.59	4.67	2.82	.....
1887..	4.40	4.55	3.40	......	3.82	5.67	7.18	5.60	1.58	......	3.74	3.74	.....
1888..	4.57	3.76	4.96	......	......	......	......	......	......	......	......	......	.....
1889..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1890..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1891..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1892..	......	......	......	......	6.12	4.98	1.88	11.23	2.81	1.72	3.40	0.89	.....
1893..	2.21	6.65	2.61	1.80	4.13	2.73	2.53	7.21	2.11	4.57	1.63	3.06	41.24
1894..	2.29	3.51	1.17	2.11	3.40	3.80	1.80	1.12	4.58	3.53	2.05	......	.....
1895..	1.98	0.74	0.95	5.71	2.60	4.09	4.22	3.90	2.80	2.85	5.49	4.14	39.47
1896..	0.54	3.74	6.36	0.99	1.63	1.24	2.34	3.70	5.04	5.67	3.69	0.81	35.75
1897..	2.85	2.56	2.59	2.27	4.90	4.79	7.30	2.59	1.13	1.43	5.07	3.81	41.29
1898..	4.34	3.97	0.79	3.24	2.67	......	......	......	......	......	4.21	1.93	.....
1899..	2.02	2.97	5.06	1.25	0.92	2.71	7.25	1.48	3.48	1.08	1.68	1.42	31.32
1900..	4.62	6.30	4.58	0.98	2.63	3.05	3.15	2.91	2.39	3.43	5.37	2.41	41.82
1901..	1.80	0.60	3.62	5.75	8.57	1.33	5.30	4.36	4.26	2.92	2.90	6.63	47.34
1902..	3.48	1.74	6.49	4.17	6.39	4.02	5.29	3.36	5.42	4.09	1.01	5.28	48.04
1903..	3.36	3.34	4.55	1.89	0.56	8.07	3.92	3.19	1.00	3.27	1.20	2.83	37.18
1904..	2.49	1.88	2.42	6.05	4.17	2.80	2.24	3.43	5.13	2.22	1.25	1.26	35.34
1905..	3.40	1.15	2.22	1.52	1.98	3.79	4.56	4.07	7.31	1.50	2.10	2.75	36.35
1906..	1.36	2.03	3.05	2.15	6.76	5.23	5.44	1.03	0.71	......	......	......	.....
1907..	......	1.20	2.12	2.98	2.30	2.92	2.42	1.27	6.48	5.23	3.59	3.06	.....
1908..	1.80	4.60	1.55	2.29	5.08	0.60	5.26	3.28	0.75	1.69	0.79	2.34	30.03
M'ns	3.03	3.20	3.28	2.73	3.71	3.54	4.22	3.59	3.61	3.08	2.98	3.16	40.13

CONCORD, MERRIMAC CO., N. H.—Elevation, 350 feet.

1853..	2.99	3.87	2.89	3.32	5.15	2.75	3.78	5.09	3.21	4.31	4.43	3.06	44.85
1854..	......	......	2.25	......	3.08	2.25	1.71	0.25	6.88	2.25	......	......	.....
1855..	......	......	......	5.25	1.00	4.23	4.75	3.25	0.25	11.00	4.25	......	.....
1856..	2.65	2.00	1.61	......	3.00	3.71	3.37	......	5.88	1.50	1.20	1.55	.....
1857..	2.75	0.54	1.50	5.68	5.97	3.20	4.81	3.90	0.52	5.12	1.64	3.97	39.60
1858..	3.00	2.01	1.10	2.60	3.63	1.25	4.40	4.70	5.10	......	......	......	.....
1859..	3.24	1.17	0.90	1.13	0.00	6.74	3.36	4.39	5.56	2.78	2.90	2.98	35.75
1860..	3.10	1.97	1.18	1.50	2.20	3.23	3.10	4.71	3.78	3.13	5.05	3.18	36.05
1861..	3.25	0.81	3.95	5.30	3.83	1.66	5.61	3.52	3.05	6.86	3.13	1.73	42.70
1862..	2.97	2.07	2.69	2.93	2.72	7.95	4.74	3.57	3.12	5.40	7.60	1.85	47.63
1863..	3.76	3.47	5.62	3.49	2.52	4.12	6.82	6.35	2.69	5.15	6.73	3.59	54.51
1864..	1.14	0.97	4.89	3.83	2.37	0.72	1.31	5.71	3.33	4.30	5.80	4.37	38.70
1865..	3.97	2.15	4.02	2.61	5.41	2.55	3.76	3.30	2.00	5.03	1.64	2.71	37.93
1866..	1.26	3.29	2.39	1.44	3.55	3.14	3.36	3.89	5.03	2.59	4.06	3.12	37.12
1867..	2.08	1.95	3.09	3.52	3.85	2.05	4.59	9.90	1.54	3.42	2.41	1.81	40.21
1868..	2.56	1.04	2.18	2.54	6.81	2.52	3.05	2.89	9.92	0.63	5.50	1.63	41.27
1869..	2.63	2.71	4.50	1.45	3.18	1.54	1.14	2.01	3.46	11.65	2.19	4.13	40.69
1870..	5.83	4.20	2.93	6.24	1.74	2.20	1.40	1.23	1.94	2.26	2.39	2.09	34.45
1871..	1.00	2.53	3.78	4.70	3.04	2.47	4.20	5.02	1.30	4.73	3.65	3.50	39.92
1872..	1.40	1.70	2.40	1.45	2.49	4.61	7.72	7.00	4.32	4.63	5.00	2.84	45.56
1873..	3.98	2.20	2.82	1.97	2.15	0.89	4.08	1.85	4.06	6.15	3.05	3.38	36.58
1874..	3.22	3.35	0.73	5.20	4.19	4.74	6.54	1.95	2.40	1.37	2.40	0.90	36.99
1875..	3.40	2.53	4.55	3.23	2.77	3.97	2.43	5.31	2.92	6.17	3.25	1.08	41.61
1876..	2.27	5.87	8.13	2.40	3.22	4.89	4.73	0.42	3.82	0.95	2.50	4.30	43.56
1877..	2.20	0.40	5.28	3.26	2.98	2.63	4.77	4.60	0.85	7.62	6.23	0.84	41.66
1878..	4.30	4.42	2.40	6.70	1.86	5.10	1.84	4.06	0.71	4.09	5.76	6.55	47.79
1879..	2.70	3.10	3.80	3.10	4.51	4.76	4.29	4.39	3.28	0.79	3.37	3.97	42.06
1880..	4.35	2.58	1.40	2.62	1.63	1.33	3.55	1.47	3.12	3.98	2.01	2.44	30.48
1881..	3.51	3.65	3.83	0.95	3.28	3.34	4.38	1.25	3.52	2.96	3.04	5.89	39.60
1882..	3.87	4.28	2.73	1.09	4.37	3.98	1.73	0.35	7.22	1.41	1.19	1.83	34.05
1883..	1.65	3.48	1.50	2.42	3.04	2.04	5.80	1.37	1.96	3.67	1.87	2.55	31.35
1884..	4.22	4.70	4.51	3.53	3.07	0.93	2.14	3.62	0.76	1.99	2.77	3.97	36.21
1885..	4.45	3.50	0.88	2.54	2.18	4.85	2.15	5.32	0.96	3.63	3.65	3.60	37.71
1886..	4.92	4.27	3.27	1.66	2.22	2.48	2.56	3.49	4.25	2.66	3.81	3.30	38.89
1887..	3.35	4.86	3.04	3.04	2.33	4.56	7.84	7.68	0.82	1.71	3.70	3.92	46.85
1888..	4.93	3.69	4.92	2.84	4.48	2.57	0.96	5.67	10.97	5.63	4.15	3.52	52.33
1889..	3.82	1.78	2.51	2.09	2.46	4.21	5.63	1.57	3.86	4.21	4.98	3.88	41.00
1890..	2.88	4.20	5.69	1.88	5.05	2.56	3.98	3.56	4.65	7.76	1.49	3.83	47.53
1891..	5.71	3.54	4.19	2.41	2.34	3.32	3.34	2.95	2.09	2.63	1.73	4.11	38.36
1892..	3.98	1.70	2.00	0.76	6.24	3.00	2.50	9.00	1.98	1.29	4.33	1.04	37.82
1893..	2.59	5.48	2.58	2.47	4.15	2.18	3.13	4.11	1.38	4.77	2.53	4.03	39.40
1894..	2.67	2.25	1.16	1.64	4.79	1.89	2.89	0.65	2.26	2.79	1.78	2.87	27.64
1895..	3.25	0.56	2.27	4.52	2.12	1.98	3.52	3.85	2.34	4.09	5.59	4.01	38.10
1896..	1.23	5.90	6.55	1.02	3.34	2.35	3.10	3.75	4.92	4.00	2.97	0.96	40.09
1897..	3.72	2.49	3.87	2.38	3.93	8.35	8.56	3.58	1.22	0.58	6.59	4.78	50.05
1898..	4.94	4.26	0.84	4.24	2.92	3.10	1.31	4.74	5.89	5.56	5.96	2.26	46.02
1899..	2.55	2.40	5.88	1.19	0.32	1.04	4.35	1.93	4.38	0.83	2.35	1.35	28.57
1900..	4.88	5.05	5.30	0.90	2.36	1.79	1.74	2.76	2.68	2.19	5.22	1.29	36.16
1901..	1.39	0.47	4.05	6.87	6.09	1.87	4.51	6.68	3.08	3.61	1.34	7.20	47.16
1902..	2.54	2.37	5.52	4.87	2.38	3.12	4.69	5.20	5.25	4.41	0.97	5.87	47.19
1903..	3.61	3.75	5.00	1.62	0.57	7.75	6.00	3.38	1.24	3.27	1.40	3.21	40.80
1904..	3.69	1.71	2.33	7.44	4.02	3.80	3.42	4.45	4.68	1.60	1.58	1.81	40.53
1905..	4.10	1.80	3.46	1.66	2.45	3.81	2.02	2.59	6.24	1.11	2.33	4.51	36.08
1906..	1.73	1.34	2.11	1.44	5.44	5.79	3.14	2.24	1.19	3.60	2.06	3.20	33.28
1907..	1.05	0.85	0.99	2.85	2.56	3.07	6.66	1.64	9.26	3.74	4.07	2.62	39.36
1908..	2.07	3.31	1.68	1.85	4.25	0.29	2.07	5.58	0.45	1.62	0.81	2.27	26.25
M'ns	3.14	2.79	3.19	2.96	3.23	3.24	3.81	3.74	3.46	3.74	3.38	3.14	39.82

HANOVER, GRAFTON CO., N. H.—Elevation, 603 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1834..	......	......	......	......	......	......	......	......	......	......	1.30	2.00	.....
1835..	1.90	0.70	2.23	2.99	3.31	4.86	2.99	4.22	1.80	2.42	2.21	1.61	31.24
1836..	3.85	6.25	2.09	2.29	3.71	3.06	2.17	1.92	1.67	3.41	3.14	3.74	37.30
1837..	3.57	2.98	1.57	2.80	5.93	3.89	4.33	2.14	1.33	2.81	2.61	1.55	35.51
1838..	2.63	1.65	1.82	1.42	4.95	7.27	1.78	4.19	4.05	3.93	3.90	2.75	40.34
1839..	2.20	1.35	1.53	1.39	2.26	5.42	4.29	2.03	3.05	1.01	2.47	5.05	32.05
1840..	2.00	2.57	4.74	6.00	3.06	3.29	3.05	2.33	7.03	3.53	4.20	3.28	45.08
1841..	6.76	1.80	3.56	5.45	1.91	2.54	2.62	2.26	4.24	1.19	2.54	4.31	39.18
1842..	1.32	4.28	3.43	2.82	4.31	2.90	4.74	5.45	5.28	3.51	4.65	3.98	46.67
1843..	3.50	4.50	4.24	5.24	3.90	5.92	2.76	9.00	2.05	7.59	4.50	2.65	55.85
1844..	3.85	2.10	4.34	1.28	3.64	3.84	4.98	6.28	2.16	8.19	1.86	4.14	46.66
1845..	4.45	3.90	3.50	3.84	1.83	1.67	1.88	3.37	3.13	2.25	4.90	3.61	38.33
1846..	2.48	2.55	2.82	1.67	4.77	4.38	3.37	1.73	4.11	2.66	3.67	3.52	37.73
1847..	5.10	2.46	3.22	2.55	3.84	4.47	3.78	4.62	3.74	5.65	1.65	4.80	45.88
1848..	3.30	2.65	2.90	1.83	6.65	2.11	6.55	5.51	3.15	5.64	3.32	4.87	48.48
1849..	0.75	1.70	2.55	1.35	3.60	3.35	1.60	9.46	1.67	5.86	4.25	2.06	38.20
1850..	2.00	1.68	1.20	4.33	7.37	3.54	4.18	2.86	1.83	4.87	2.18	4.27	40.31
1851..	9.75	3.28	4.85	2.72	2.66	2.55	4.75	1.28	1.80	7.94	4.94	3.75	50.27
1852..	1.52	2.15	3.02	4.87	0.55	4.89	3.76	2.56	2.37	2.41	3.95	3.60	35.65
1853..	0.31	4.70	1.92	2.03	5.81	1.75	1.88	3.20	4.87	3.98	4.42	2.62	37.49
1854..	2.88	2.77	2.13	4.14	3.46	3.92	1.24	0.12	5.32	2.46	3.58	2.11	34.13
1855..	3.80	1.69	0.98	2.72	1.32	6.40	4.74	3.59	2.19	7.69	2.27	2.93	40.32
1856..	1.69	0.80	1.25	1.57	......	1.97	3.14	9.83	......	......	......	2.70	.....
1857..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1858..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1859..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1860..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1861..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1862..	......	......	......	......	......	......	......	......	0.94	2.30	......	......	.....
1863..	......	......	2.85	......	......	1.49	7.02	5.86	1.81	1.44	1.68	2.75	.....
1864..	1.80	0.75	1.88	1.83	1.82	0.73	......	......	2.61	3.68	3.74	1.79	.....
1865..	......	0.50	......	3.00	......	3.30	......	......	2.13	......	2.08	......	.....
1866..	......	......	......	1.59	......	2.97	......	......	3.41	3.24	1.89	1.96	.....
1867..	1.35	1.35	......	1.52	3.71	4.04	1.28	4.61	1.89	3.27	1.55	......	.....
1868..	......	0.65	2.42	2.44	6.44	5.43	1.35	3.94	6.46	0.32	......	1.45	.....
1869..	......	1.44	4.53	3.45	2.54	3.46	2.67	......	6.13	9.24	1.58	1.79	.....
1870..	5.81	3.45	2.25	2.90	2.53	3.17	1.82	1.13	1.68	3.50	1.59	1.16	30.99
1871..	0.45	2.14	2.64	1.63	2.86	2.16	1.81	3.64	1.32	1.89	2.27	1.49	24.30
1872..	1.46	1.40	1.62	0.38	3.42	4.34	5.63	7.35	2.64	1.57	0.75	2.28	32.84
1873..	3.10	1.75	3.54	1.32	1.21	1.74	5.91	1.52	3.83	5.57	2.38	1.65	33.52
1874..	2.90	1.81	0.68	3.40	3.26	3.44	5.07	2.01	3.92	1.30	1.92	1.08	30.79
1875..	3.92	1.20	2.55	0.72	3.94	4.98	2.70	4.51	1.94	3.94	1.63	0.78	32.81
1876..	1.72	3.59	3.45	1.32	1.32	3.46	......	0.42	4.58	0.53	2.13	4.30	.....
1877..	2.70	......	2.57	1.97	1.03	4.28	8.48	4.01	0.91	4.67	3.81	0.96	.....
1878..	1.92	1.70	0.28	3.01	1.09	3.40	2.62	2.44	1.66	1.30	3.50	4.69	27.61
1879..	2.85	2.38	3.01	2.52	0.81	4.05	2.77	3.46	3.43	1.68	4.58	1.97	33.51
1880..	3.18	1.29	1.06	1.65	1.68	1.83	2.39	3.23	2.06	2.84	2.22	1.51	24.94
1881..	2.97	1.21	2.02	0.07	3.61	......	......	0.85	1.92	2.50	2.47	3.96	.....
1882..	1.66	2.11	0.98	0.86	3.79	3.05	2.70	1.55	6.46	0.77	0.59	1.81	26.33
1883..	1.07	2.02	1.07	1.31	2.71	2.73	4.30	0.85	2.38	2.89	1.38	1.87	24.58
1884..	2.01	3.06	3.11	2.29	2.74	2.87	1.66	3.83	0.27	1.40	3.45	2.75	29.44
1885..	3.08	2.20	1.12	1.93	1.79	2.39	2.62	7.77	2.19	2.96	6.62	2.03	36.70
1886..	3.47	1.24	2.13	1.11	2.55	2.36	1.75	2.84	2.71	2.45	4.94	1.99	29.54
1887..	4.82	7.67	2.43	1.54	3.55	2.74	6.13	3.14	0.91	1.89	2.98	3.45	41.25
1888..	3.75	2.20	5.25	2.39	3.28	4.65	1.99	4.64	5.86	4.05	5.14	2.37	45.57
1889..	3.28	2.17	2.65	0.97	1.84	3.61	5.48	1.78	3.52	4.60	4.76	2.85	37.51
1890..	2.48	2.75	3.24	1.57	5.40	2.63	3.85	7.77	3.99	4.75	**1.86**	**2.80**	43.09
1891..	4.52	2.40	2.32	2.21	1.90	3.55	4.34	3.21	1.54	1.50	2.00	2.89	32.38
1892..	3.37	1.41	1.40	0.93	6.26	7.42	1.93	6.25	1.72	1.54	2.53	0.96	35.72
1893..	1.32	6.43	2.12	1.64	3.09	4.72	2.97	4.85	2.38	3.00	0.94	3.59	37.05
1894..	2.16	2.02	1.10	1.71	3.38	2.12	2.26	2.18	3.56	2.82	2.46	2.45	28.22
1895..	1.96	0.85	1.99	4.26	1.69	2.77	2.63	3.40	2.56	1.42	5.17	3.05	31.75
1896..	0.67	3.95	8.25	0.83	1.27	2.31	3.23	3.07	5.36	3.92	2.30	0.71	35.87
1897..	2.88	1.64	3.05	2.60	6.07	5.55	7.97	1.70	1.57	1.29	5.78	3.28	43.38
1898..	4.89	3.99	1.17	2.82	2.71	4.30	1.20	3.94	4.53	3.56	3.71	1.40	38.22
1899..	2.19	1.89	5.34	0.90	0.93	3.48	4.49	2.61	4.14	1.60	1.89	1.85	31.31
1900..	3.35	4.89	3.69	0.92	3.23	2.48	2.40	2.89	1.35	3.17	5.15	2.07	35.59
1901..	1.78	0.39	3.71	3.35	5.71	1.44	5.13	3.28	3.53	1.77	1.35	3.44	34.88
1902..	1.56	2.00	3.80	4.24	3.57	3.81	3.91	3.38	4.70	4.23	1.16	4.29	40.65
1903..	3.03	3.11	4.90	0.97	0.84	6.14	4.64	3.80	1.17	2.20	0.99	2.94	34.73
1904..	2.85	1.06	1.71	4.15	3.35	1.48	2.51	3.73	6.03	2.40	0.93	1.57	31.77
1905..	1.90	1.16	2.51	1.96	2.03	5.15	6.67	4.05	6.10	1.02	1.65	2.34	36.54
1906..	1.26	2.23	2.19	1.55	6.95	3.49	3.67	2.48	1.54	3.09	1.93	2.69	33.07
1907..	1.49	0.93	2.08	4.04	3.24	3.88	2.16	1.16	6.26	4.65	3.15	3.28	36.32
1908..	1.56	3.04	1.24	2.18	3.99	2.17	2.32	2.84	1.14	1.90	0.94	2.44	25.76
M'ns	2.74	2.37	2.64	2.32	3.25	3.51	3.51	3.59	3.08	3.20	2.84	2.67	35.72

PETERBORO, HILLSBORO CO., N. H.—Elevation, 744 feet.

1892..	......	......	2.29	0.45	6.39	4.72	3.01	7.09	1.63	0.60	5.22	0.95	.....
1893..	2.52	6.43	2.37	**2.40**	......	**2.20**	1.71	6.16	**1.86**	3.95	1.77	5.73	.....
1894..	2.58	3.34	0.64	3.17	3.77	2.90	3.27	2.29	5.11	3.82	2.59	2.93	36.41
1895..	3.04	1.30	2.19	4.40	2.31	2.64	4.70	2.67	2.99	6.52	6.10	3.58	42.44
1896..	1.39	4.94	8.35	0.65	2.08	1.59	3.27	1.84	5.31	4.24	2.40	1.33	37.39
1897..	3.35	3.23	3.33	2.08	4.03	7.21	9.28	2.77	1.66	0.64	6.12	5.48	49.14
1898..	6.82	4.09	0.57	3.93	4.59	3.69	1.61	6.05	2.99	7.09	6.22	3.82	51.47
1899..	2.26	3.67	7.09	2.06	1.41	3.97	4.40	2.57	5.19	2.09	2.16	1.74	38.61
1900..	4.68	8.13	5.85	1.83	2.83	2.51	2.21	4.35	4.15	3.47	7.12	3.10	50.23
1901..	2.10	1.01	5.07	9.35	5.65	1.16	4.20	6.36	2.36	3.74	1.98	7.94	50.92
1902..	2.74	3.69	4.95	6.21	2.52	3.15	3.85	4.64	4.52	4.88	0.99	7.09	49.23
1903..	3.03	4.41	6.48	......	......	......	......	......	......	......	......	......	.....
M'ns	3.14	4.02	4.10	3.33	3.56	3.25	3.77	4.25	3.43	3.73	3.88	3.97	44.43

STRATFORD, COOS CO., N. H.—Elevation, 1,000 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1856..	......	......	1.70	......	......	2.00	2.63	......	3.84	2.55	2.22	1.50	.....
1857..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1858..	......	......	......	3.21	3.67	2.95	4.36	4.20	4.93	5.72	2.84	2.60	.....
1859..	1.81	1.28	4.63	1.93	1.87	6.18	2.59	1.99	4.29	1.40	3.02	4.33	35.32
1860..	1.22	1.59	2.62	1.18	1.01	3.22	3.77	4.53	2.71	3.13	3.22	2.70	30.90
1861..	2.75	2.90	5.27	3.41	5.10	3.94	4.47	4.29	3.79	5.54	1.56	2.08	45.10
1862..	4.09	4.40	3.70	3.08	1.48	2.03	2.27	4.07	3.91	3.36	4.97	2.62	39.98
1863..	......	2.34	3.65	2.31	3.67	2.70	8.97	3.04	2.88	3.98	2.76	3.75	.....
1864..	3.50	2.34	1.58	1.30	4.75	1.29	3.05	5.75	5.11	4.09	3.78	5.19	41.73
1865..	3.00	2.32	4.69	3.54	4.48	3.23	5.42	1.68	1.51	2.42	3.11	3.11	38.51
1866..	3.00	3.00	3.39	2.32	3.73	4.87	6.68	5.00	6.78	4.17	4.62	2.89	50.45
1867..	1.45	2.30	6.98	4.07	6.23	2.03	4.76	5.46	0.60	3.46	1.51	2.15	41.00
1868..	2.20	2.00	2.25	2.95	3.84	2.30	3.05	2.42	6.17	1.29	6.88	2.45	37.80
1869..	2.98	5.40	3.60	2.63	3.97	4.39	2.36	3.17	3.39	8.49	2.93	4.58	47.89
1870..	4.36	5.19	2.44	2.22	2.48	1.63	2.47	3.86	1.45	4.47	5.48	1.70	37.75
1871..	2.25	2.72	4.34	4.60	2.94	1.62	3.29	5.15	1.30	4.80	2.08	2.91	38.00
1872..	1.05	2.36	4.65	1.54	5.44	4.40	5.95	9.62	4.11	3.11	4.88	3.50	50.61
1873..	3.58	2.40	4.26	1.83	2.08	1.79	3.51	1.73	4.94	6.58	3.54	2.57	38.81
1874 1885	......	......	......	......	......	......	......	......	......	......	......	......	.....
1886..	......	......	......	......	......	......	2.85	4.21	3.65	1.46	5.21	2.76	.....
1887..	3.22	3.04	1.46	3.10	2.00	4.82	7.10	2.23	2.12	2.87	2.09	4.33	38.38
1888..	1.89	2.13	3.85	0.94	2.86	2.93	1.75	6.00	5.30	3.44	5.54	2.30	38.93
1889..	1.77	0.77	2.48	0.98	2.24	5.03	4.00	1.81	6.52	2.96	3.66	3.92	36.14
1890..	3.33	2.89	3.06	1.47	7.00	3.88	3.04	6.46	3.18	3.19	3.30	2.90	43.70
1891..	4.65	2.18	2.04	1.84	2.68	1.79	4.88	2.75	1.43	0.92	2.62	3.46	31.24
1892..	4.20	0.70	1.51	0.90	2.63	8.86	5.40	6.93	1.96	2.17	2.83	1.33	39.42
1893..	0.87	3.21	2.45	1.82	2.67	2.86	2.89	2.31	2.18	2.37	1.11	3.04	27.78
1894..	2.56	1.28	1.44	2.41	3.00	3.37	3.33	2.15	3.58	2.70	1.96	1.70	29.48
1895..	0.76	0.63	1.18	4.31	3.62	4.47	3.43	4.40	2.19	2.09	5.64	3.40	36.12
1896..	0.67	3.48	4.52	1.21	2.38	2.79	5.95	3.19	4.01	3.39	3.60	0.96	36.15
1897..	2.23	1.46	2.84	2.90	4.92	5.80	10.00	2.88	2.36	1.37	5.75	3.41	45.92
1898..	3.12	2.28	1.50	2.13	2.10	3.97	2.46	5.53	6.27	3.40	2.29	1.37	36.42
1899..	2.08	2.90	3.57	0.65	1.38	2.62	4.10	0.67	2.30	1.57	1.93	2.08	25.85
1900..	3.03	5.11	2.89	0.85	4.28	3.11	4.78	3.49	4.33	5.07	5.82	1.87	44.63
1901..	2.34	0.88	3.21	2.42	3.62	4.33	4.40	3.20	2.74	2.47	1.93	4.42	35.96
1902..	1.08	1.60	3.79	2.74	5.43	5.04	3.14	5.16	5.22	4.06	1.87	3.63	42.76
1903..	2.38	2.84	3.98	1.12	0.18	3.18	3.27	2.70	0.52	2.30	1.11	1.79	25.37
1904..	1.16	1.36	2.65	3.20	4.14	1.60	4.20	4.21	6.40	1.89	0.98	1.31	33.10
1905..	2.05	0.85	2.14	1.82	2.73	3.30	4.80	5.60	4.30	0.57	2.44	3.23	33.83
1906..	......	......	......	......	......	......	......	3.44	3.43	3.87	1.41	1.90	.....
1907..	1.85	0.82	2.27	2.43	1.73	8.54	6.26	1.92	5.80	4.97	2.42	3.46	42.47
1908..	1.67	2.00	2.13	2.10	3.74	3.97	4.63	5.12	0.89	1.50	1.69	2.40	31.84
M'ns	2.40	2.30	3.10	2.26	3.30	3.60	4.26	3.91	3.56	3.23	3.16	2.79	37.87

NOTE.—The monthly values from August, 1906, to December, 1908, inclusive, are for Bloomfield, Vt., near Stratford.

MOUNT WASHINGTON, COOS CO., N. H.—Elevation, 6,293 feet.

1859..	......	......	......	......	......	3.87	5.47	7.67	......	......	......	......	.....
1860 1870	......	......	......	......	......	......	......	......	......	......	......	......	.....
1871..	......	......	......	......	......	......	......	......	3.71	6.10	3.42	0.85	.....
1872..	1.67	0.30	0.89	0.07	4.64	18.46	3.59	6.41	9.56	5.53	4.01	1.38	56.51
1873..	3.39	5.20	5.81	2.72	4.55	3.20	13.54	5.81	13.66	9.23	5.50	5.95	78.56
1874..	4.40	2.47	6.71	5.74	6.53	13.44	7.97	9.51	5.52	3.02	2.34	3.07	70.72
1875..	1.82	1.00	2.13	2.00	2.50	6.83	7.40	7.95	11.34	6.30	2.67	3.84	55.78
1876..	2.80	3.50	6.21	3.12	7.83	9.32	14.51	2.20	14.89	3.21	3.49	6.48	77.56
1877..	2.06	0.33	11.64	3.40	3.72	8.78	11.27	11.11	2.79	7.75	17.55	6.01	86.41
1878..	8.54	5.88	10.66	23.41	9.28	7.67	11.00	11.35	7.37	5.78	4.78	8.77	*
1879..	7.13	7.01	7.51	6.79	4.40	11.84	10.23	9.55	6.53	5.03	9.53	5.56	91.11
1880..	4.24	2.56	4.87	3.47	5.51	5.86	7.24	5.82	15.23	7.96	9.37	7.80	79.93
1881..	3.94	6.62	8.51	5.08	12.50	7.03	9.93	11.96	6.13	18.38	15.10	15.95	†
1882..	7.20	5.94	14.52	11.20	8.91	11.40	10.03	2.81	13.32	6.19	3.25	2.64	97.41
1883..	4.16	5.65	4.18	6.29	9.10	11.30	11.14	6.06	6.90	5.55	3.72	2.66	76.71
1884..	2.45	7.55	4.16	3.29	9.54	8.08	23.90	8.63	7.58	12.91	7.99	4.70	‡
1885..	5.49	1.87	0.95	2.66	2.29	11.34	11.34	14.26	5.56	11.11	6.67	4.83	78.37
1886..	4.85	9.03	3.11	3.36	3.25	6.09	6.30	8.34	8.52	5.09	6.48	3.10	67.52
1887..	4.27	1.59	2.88	5.17	4.23	9.78	15.16	5.51	4.03	......	......	......	.....
1888..	......	......	......	......	......	......	6.58	14.31	9.48	......	......	......	.....
1889..	......	......	......	......	......	......	13.18	7.78	7.01	......	......	......	.....
1890..	......	......	......	......	......	......	7.00	15.39	9.31	......	......	......	.....
M'ns	4.27	4.16	5.92	5.94	6.17	9.08	10.34	8.62	8.42	7.45	6.62	5.22	81.76

*114.49 †121.13 ‡100.78

ERROL, ERROL COUNTY, N. H.—Elevation, 1,260 feet.

1885..	2.10	3.50	1.90	0.60	0.00	1.20	3.75	2.56	2.86	2.90	2.02	4.40	27.79
1886..	5.60	2.60	2.20	0.50	2.27	1.47	1.90	3.71	3.37	1.30	3.63	3.40	31.95
1887..	3.35	3.30	2.37	0.86	1.02	3.10	4.92	5.86	0.99	2.23	3.00	3.14	35.14
1888..	2.65	3.58	4.13	4.96	3.14	4.47	1.67	5.56	4.99	4.80	4.48	2.28	46.76
1889..	2.67	1.31	3.36	1.11	1.07	5.58	4.18	1.78	4.32	4.02	3.47	3.39	36.26
1890..	3.87	3.34	3.04	1.65	5.92	3.75	2.19	5.74	3.62	3.54	3.24	2.67	42.57
1891..	4.50	3.31	2.79	1.88	2.58	1.95	4.75	3.78	1.89	1.46	2.24	3.43	34.56
1892..	3.73	1.50	1.96	0.71	3.29	8.14	4.10	6.62	2.85	1.93	3.47	1.41	39.71
1893..	1.36	3.94	2.29	5.41	3.03	2.70	2.81	4.08	2.49	2.38	3.24	4.26	37.99
1894..	2.97	1.80	1.70	1.63	3.08	4.59	3.02	2.79	3.16	3.12	3.92	2.51	34.29
1895..	1.74	0.55	1.53	3.42	2.97	3.30	3.16	4.24	1.86	1.07	5.76	3.30	32.90
1896..	1.01	3.53	4.99	2.78	3.26	2.56	5.00	3.70	3.49	2.99	2.30	1.17	36.78
1897..	1.73	2.17	3.68	3.33	4.74	5.62	5.49	2.97	2.07	1.04	4.75	2.58	40.17
1898..	3.98	5.48	1.17	2.54	0.79	3.89	2.52	3.92	5.45	3.72	3.00	1.97	38.43
1899..	2.43	2.61	7.17	0.58	1.67	3.45	3.47	0.66	2.57	1.81	1.85	2.26	30.53
1900..	3.53	4.85	4.77	0.94	4.80	3.89	5.41	1.51	4.25	2.89	6.48	1.51	44.83
1901..	2.44	0.72	2.85	3.90	3.96	7.05	5.31	3.61	2.30	2.82	1.14	4.53	40.63
1902..	1.71	1.65	3.81	2.20	4.86	3.10	2.76	6.53	4.34	3.32	1.52	4.63	40.43
M'ns	2.85	2.76	3.10	2.17	2.91	3.88	3.69	3.87	3.16	2.63	3.31	3.94	37.32

VERMONT.

WOODSTOCK, WINDSOR CO., VT.—Elevation, 700 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1857..	2.83	1.50	2.53	3.67	6.46	3.45	4.49	6.12	1.53	6.32	2.55	4.00	45.45
1858..	2.16	1.40	0.82	1.90	3.44	2.66	5.40	2.54	5.34	4.17	3.38	2.49	35.70
1859 1867	......	......	......	......	......	......	......	......	......	......	......	......	.....
1868..	3.50	......	......	......	......	......	......	......	......	......	......	2.50	.....
1869..	2.20	4.00	......	......	......	2.85	1.76	2.24	3.44	12.90	2.29	2.94	.....
1870..	6.20	5.21	2.60	4.27	1.88	5.35	1.82	1.03	4.93	3.80	1.87	2.58	41.54
1871..	1.96	3.09	3.37	2.37	3.74	1.54	4.67	3.93	1.73	2.06	2.83	2.51	33.80
1872..	1.55	2.65	2.70	1.26	3.78	4.51	5.48	6.75	2.85	4.58	3.39	2.76	42.32
1873..	4.49	2.02	4.95	1.89	1.72	1.26	7.61	1.73	3.84	7.66	3.71	3.18	44.06
1874..	3.12	2.32	1.28	5.24	3.78	3.83	4.29	1.99	3.51	1.43	2.02	1.28	34.09
1875..	3.16	2.10	3.34	2.43	4.19	5.03	3.41	3.34	2.11	4.27	2.90	1.76	35.04
1876..	2.81	4.46	6.71	2.30	2.13	3.20	3.69	0.81	4.63	0.76	2.89	3.91	38.30
1877..	2.67	0.30	4.52	2.22	1.32	6.50	6.57	3.58	1.07	5.96	4.95	0.69	40.35
1878..	3.34	1.97	1.41	4.94	2.44	4.58	2.67	3.53	1.70	2.67	4.13	6.24	39.62
1879..	2.33	2.55	4.15	2.99	0.62	5.60	3.50	2.84	4.03	0.87	4.66	3.18	37.32
1880..	3.10	2.71	1.67	1.98	2.70	1.74	3.85	1.47	2.64	3.16	2.67	2.01	29.70
1881..	2.96	2.25	2.76	0.95	3.62	2.19	3.74	1.62	2.76	3.19	3.09	4.51	33.64
1882..	2.18	3.86	1.72	1.28	4.43	2.33	3.18	1.75	6.47	0.89	0.61	3.20	31.90
1883..	2.41	3.20	2.08	1.48	3.14	3.03	5.56	1.04	2.83	3.39	2.15	2.38	32.69
1884..	3.22	3.62	4.48	2.31	3.00	1.88	2.36	2.12	......	2.04	4.35	4.09	.....
1885..	4.42	2.85	1.55	1.98	2.04	2.28	3.29	8.48	2.35	4.70	4.53	2.80	41.27
1886..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1887..	......	......	......	......	......	......	5.95	4.50	......	1.38	3.52	3.87	.....
1888..	2.70	2.92	4.53	......	......	......	......	......	......	......	......	......	.....
1889..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1890..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1891..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1892..	......	......	......	......	......	4.08	1.25	5.41	1.44	0.91	2.57	1.39	.....
1893..	1.66	5.15	1.73	2.19	5.62	2.22	3.05	5.39	1.36	3.02	1.57	3.67	36.63
1894..	2.71	2.20	1.50	1.83	3.71	2.93	2.25	2.95	4.07	4.27	2.58	2.13	33.13
1895..	2.21	0.73	1.77	7.15	2.46	2.09	3.25	2.70	2.91	1.46	5.36	4.84	36.93
1896..	1.43	4.63	4.68	1.53	1.54	2.34	3.87	3.52	4.44	3.54	3.20	0.72	35.44
1897..	3.76	2.09	3.21	3.63	5.54	6.23	6.04	1.61	1.99	1.06	5.57	3.54	44.27
1898..	6.30	3.49	0.91	3.51	2.92	2.37	2.93	3.82	3.94	3.74	3.94	1.65	39.52
1899..	1.85	2.70	6.96	1.22	0.92	2.02	4.71	2.70	3.44	2.10	1.49	2.21	32.32
1900..	3.81	4.76	4.98	0.51	2.96	3.60	2.59	3.80	1.00	2.79	5.35	2.25	35.40
1901..	2.06	0.35	4.17	5.23	6.64	1.33	3.50	2.32	2.06	1.65	1.47	5.34	36.12
1902..	2.23	2.69	3.97	3.81	3.59	3.55	4.61	3.89	5.85	4.50	0.74	4.99	44.41
1903..	3.11	3.59	4.33	1.03	0.80	6.05	5.14	4.03	0.73	3.69	1.38	3.22	37.10
1904..	1.78	0.99	1.71	5.92	2.93	1.24	3.39	4.56	5.86	2.98	1.44	1.54	34.34
1905..	2.00	1.30	2.18	1.63	1.60	4.82	6.77	3.75	6.60	1.71	3.51	2.68	38.55
1906..	1.51	2.20	2.93	0.96	6.92	4.77	2.78	2.98	1.50	3.35	2.03	3.51	35.44
1907..	1.77	0.79	2.00	3.57	3.36	3.87	2.81	0.81	7.07	4.16	3.79	3.76	37.76
1908..	2.29	4.20	1.24	4.39	5.12	2.54	3.19	2.67	1.03	1.33	1.09	2.71	31.50
M'ns	2.81	2.69	3.01	2.75	3.27	3.33	3.93	3.20	3.14	3.31	2.96	2.97	37.37

JACKSONVILLE, WINDHAM CO., VT.—Elevation, 1,000 feet.

1885..	......	......	......	......	......	2.70	3.41	7.96	1.87	6.06	6.16	3.75	.....
1886..	6.46	3.62	4.00	3.52	4.33	3.26	3.94	3.70	4.60	4.00	7.15	5.22	53.80
1887..	6.43	7.05	4.49	3.51	1.40	5.58	7.11	6.68	1.66	2.56	3.57	5.72	55.76
1888..	5.11	5.13	7.22	4.97	6.15	4.57	2.63	6.50	7.80	6.86	6.92	3.90	67.76
1889..	5.96	2.37	2.02	3.72	4.82	5.15	9.70	4.04	3.05	4.31	7.55	4.84	57.53
1890..	4.31	6.13	5.48	1.79	5.87	2.34	3.28	6.56	6.46	9.30	2.50	5.05	59.07
1891..	6.85	5.25	4.23	3.73	2.67	3.84	7.45	4.74	1.47	2.79	4.10	6.56	53.68
1892..	5.90	2.55	3.63	0.87	8.73	......	......	......	......	......	......	1.18	.....
1893..	2.96	7.41	3.03	4.62	7.58	3.94	2.17	9.11	2.93	5.07	2.01	4.45	55.28
1894..	2.87	2.72	2.19	2.66	3.52	0.96	1.69	0.76	5.48	5.08	2.83	4.49	35.25
1895..	4.10	1.41	2.12	6.31	1.24	2.99	3.56	2.49	3.33	5.21	4.65	4.72	42.13
1896..	2.95	5.75	5.68	1.96	1.76	1.85	5.07	2.76	5.10	3.57	3.67	1.40	41.52
1897..	3.78	4.50	5.80	3.33	3.97	5.80	10.31	2.90	2.42	1.56	9.24	7.23	60.84
1898..	8.06	3.87	1.71	4.16	6.44	3.02	1.75	5.06	3.14	8.57	5.72	5.24	56.74
1899..	2.22	3.10	9.00	2.43	0.84	4.25	6.12	2.06	3.92	0.70	1.76	1.68	38.08
1900..	5.33	12.74	3.59	3.14	1.49	2.27	2.72	4.58	1.76	1.80	3.79	2.42	45.63
1901..	2.10	0.70	5.65	10.21	5.84	1.12	3.81	3.82	4.55	2.49	1.49	3.95	45.73
1902..	2.70	4.16	5.20	5.71	2.29	3.34	4.66	2.65	7.92	4.41	0.95	2.82	46.81
1903..	2.14	4.23	5.78	3.01	0.70	11.65	3.84	4.75	1.44	2.40	1.91	3.68	45.53
1904..	4.79	4.08	2.84	5.29	2.52	3.23	0.78	5.09	6.05	3.33	2.35	3.11	43.46
1905..	6.90	3.31	1.35	1.67	1.32	3.30	3.29	4.70	7.51	3.63	1.07	3.93	41.98
1906..	3.36	2.77	4.49	3.44	5.39	3.09	2.24	1.76	1.88	2.84	1.70	2.55	35.51
1907..	2.89	1.19	1.28	2.32	3.46	3.47	3.29	0.49	8.26	5.40	6.42	3.81	42.28
1908..	3.86	4.09	1.20	2.57	3.43	1.84	4.61	3.33	0.83	2.20	0.96	2.46	31.38
M'ns	4.44	4.27	4.00	3.69	3.73	3.63	4.24	4.19	4.06	4.09	3.85	3.92	48.11

WELLS, RUTLAND CO., VT.—Elevation, 750 feet.

1892..	4.92	1.84	1.91	0.73	6.15	7.44	4.64	6.45	2.07	1.76	3.84	1.07	42.82
1893..	1.56	5.83	1.96	1.82	4.12	1.63	4.77	9.18	2.11	2.54	1.38	3.66	40.56
1894..	1.96	1.61	1.54	1.35	2.70	3.25	2.37	2.41	3.31	3.67	2.62	1.91	28.70
1895..	1.38	0.95	1.78	3.36	2.63	2.81	5.06	5.07	2.71	1.03	5.25	3.20	35.23
1896..	0.83	3.23	6.24	1.23	1.85	2.88	3.06	4.99	6.61	3.62	3.36	1.20	39.10
1897..	3.41	1.55	3.88	3.19	5.60	5.26	10.07	5.74	2.38	1.28	6.59	3.33	52.28
1898..	4.80	5.25	1.04	2.58	2.82	3.57	2.46	7.70	5.16	4.58	3.56	1.79	45.31
1899..	1.85	1.87	5.63	1.68	1.84	2.23	3.99	0.71	5.61	1.78	1.68	2.98	31.85
1900..	3.49	4.75	3.70	0.96	2.51	3.44	3.34	3.92	2.58	2.68	5.34	1.94	38.65
1901..	1.32	0.94	4.82	2.89	3.14	2.41	3.66	3.90	2.49	1.93	2.02	4.28	33.80
1902..	1.39	1.55	3.60	2.40	3.49	4.09	7.54	3.00	3.46	5.31	1.03	3.80	40.66
1903..	2.70	3.13	6.45	0.91	0.43	4.68	2.69	5.93	2.08	3.82	1.85	2.65	37.32
1904..	2.38	2.11	1.79	3.47	3.76	2.88	4.92	3.48	6.10	3.38	1.15	1.93	37.35
1905..	1.74	1.57	2.62	2.51	2.29	6.77	5.09	2.78	5.90	1.60	2.11	2.44	37.42
1906..	2.32	2.74	3.21	2.12	6.39	4.58	3.37	2.67	2.18	3.80	2.12	3.13	38.63
1907..	2.04	1.08	2.02	3.75	4.00	2.33	2.83	1.20	8.20	4.78	3.39	3.66	39.28
1908..	1.97	3.42	1.89	2.96	3.88	2.87	3.02	3.59	0.81	2.74	1.00	2.28	30.43
M'ns	2.36	2.55	3.18	2.23	3.39	3.71	4.29	4.28	3.75	2.96	2.84	2.66	38.20

BURLINGTON, CHITTENDEN CO., VT.—Elevation, 404 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1828..	1.30	2.10	1.35	2.75	2.45	3.70	5.95	4.30	9.85	1.65	6.25	1.65	43.30
1829..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1830..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1831..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1832..	3.56	3.22	2.31	1.96	5.71	3.41	3.52	4.76	1.81	4.05	3.01	2.27	39.59
1833..	1.26	2.53	1.48	1.28	9.85	4.28	7.54	7.34	4.17	6.01	1.91	1.79	49.44
1834..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1835..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1836..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1837..	......	......	......	......	......	......	4.47	2.19	3.27	3.85	3.29	1.60	.....
1838..	2.52	1.32	1.10	1.31	4.51	5.37	3.25	2.41	1.33	2.98	3.78	0.92	30.83
1839..	0.85	1.20	1.43	1.60	2.43	3.70	6.26	2.91	1.81	0.45	2.57	2.68	27.89
1840..	1.26	1.89	3.05	4.69	2.46	2.84	4.18	3.51	4.71	3.76	2.22	2.62	37.19
1841..	3.49	0.80	3.23	3.51	2.28	5.16	2.87	1.40	3.62	0.83	2.47	3.02	32.68
1842..	1.04	3.75	1.97	2.52	1.55	3.24	4.62	1.74	3.80	4.10	2.32	3.20	33.85
1843..	0.70	1.37	2.12	0.82	2.47	4.58	2.49	2.09	1.80	5.03	1.63	1.48	26.58
1844..	2.29	0.73	2.35	1.43	4.40	2.08	5.35	3.46	1.36	5.11	0.57	2.08	31.21
1845..	2.38	2.52	2.48	2.22	3.39	2.08	4.51	2.37	5.62	2.26	4.00	2.21	36.04
1846..	1.72	1.47	2.20	0.91	3.18	3.63	5.08	0.48	3.78	2.65	2.88	1.68	29.66
1847..	2.80	1.85	2.10	3.15	1.85	5.05	4.05	3.12	4.69	3.69	2.13	4.07	38.55
1848..	1.84	0.90	2.44	1.09	4.24	2.19	3.57	4.40	2.91	2.59	2.26	2.95	31.38
1849..	0.79	0.41	2.14	0.47	2.74	1.41	1.73	5.69	1.33	5.32	2.69	1.63	26.35
1850..	1.57	1.79	1.11	2.41	5.04	3.18	5.08	0.89	3.25	8.11	1.77	3.31	37.51
1851..	1.20	1.90	0.67	1.67	2.29	7.33	3.81	1.92	2.06	3.56	3.59	1.83	31.83
1852..	1.03	1.69	1.92	1.15	0.71	4.76	4.99	1.50	1.80	4.11	2.90	2.26	28.82
1853..	1.22	3.94	1.70	2.25	3.95	1.74	3.12	3.46	5.67	3.04	2.17	0.79	33.05
1854..	1.82	1.65	1.69	3.60	1.62	2.88	1.60	0.61	4.44	2.26	2.17	1.11	25.45
1855..	1.95	0.98	0.72	2.22	0.34	6.47	8.43	2.94	4.50	5.97	1.28	2.50	38.30
1856..	0.96	0.18	0.51	1.36	2.83	1.67	1.67	9.13	3.43	2.28	1.79	1.01	26.82
1857..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1858..	1.64	......	......	1.82	2.68	2.27	4.65	2.12	2.51	2.62	2.40	......	.....
1859..	......	......	......	......	......	......	......	......	......	......	....	2.30	.....
1860..	3.00	1.25	1.63	0.62	1.60	1.25	4.28	5.28	4.84	3.63	5.24	1.26	33.88
1861..	2.50	3.87	3.93	5.00	3.78	2.20	6.78	1.82	2.97	5.44	2.69	1.58	42.56
1862..	2.46	3.20	4.16	1.58	2.01	2.20	4.32	7.48	3.38	3.84	3.50	1.48	39.61
1863..	3.47	1.98	2.75	1.55	6.88	1.95	5.76	2.41	5.30	3.90	2.27	2.96	41.18
1864..	1.48	0.80	2.20	2.55	3.13	1.51	2.85	5.86	5.49	4.67	3.10	2.40	36.04
1865..	2.50	1.30	2.10	2.80	3.30	4.40	5.90	2.00	2.40	2.20	1.90	1.70	32.40
1866..	1.50	2.00	1.40	2.40	2.90	5.50	4.80	6.50	6.00	1.60	2.60	2.00	39.30
1867..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1868..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1869..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1870..	......	......	......	......	......	....	......	......	......	......	......	......	.....
1871..	......	......	......		....	......	....	......	1.73	2.75	0.73	0.78	.....
1872..	0.42	0.19	0.13	0.73	2.69	3.63	5.27	9.62	3.43	3.05	2.75	1.34	32.25
1873..	2.18	0.36	1.54	1.43	1.46	1.35	4.83	2.21	2.09	5.87	1.59	1.01	25.92
1874..	3.44	0.82	1.34	3.19	4.21	3.85	7.15	1.07	4.21	1.09	0.82	0.75	31.94
1875..	1.26	0.86	1.12	1.38	3.56	3.00	2.73	2.84	4.56	3.54	1.34	0.75	26.94
1876..	1.60	1.31	3.11	2.38	2.30	2.91	2.49	2.66	4.82	0.92	1.51	1.52	27.53
1877..	1.43	0.32	2.52	2.53	0.95	3.11	4.06	4.74	3.45	6.39	2.21	1.46	33.17
1878..	7.52	0.79	1.65	3.06	3.05	2.49	5.18	5.18	1.13	4.78	3.38	3.24	41.45
1879..	0.78	1.11	1.45	0.97	0.38	4.52	2.71	2.39	2.82	1.36	3.56	2.22	24.27
1880..	1.87	0.62	0.97	1.73	1.46	1.33	2.30	2.26	3.26	6.22	2.57	0.62	25.21
1881..	0.88	1.79	1.56	0.62	2.27	1.89	2.22	2.69	2.34	1.54	1.30	1.89	20.99
1882..	0.44	1.10	2.34	1.23	2.00	3.17	2.37	3.49	5.22	1.21	1.47	1.60	25.64
1883..	0.93	1.07	1.15	1.37	4.63	......	......	......	......	......	1.59	1.44	.....
1884..	2.14	2.68	2.89	1.92	3.60	1.36	2.95	3.24	3.22	3.82	2.95	2.60	33.37
1885..	2.36	1.40	0.86	2.53	2.48	2.52	3.80	3.41	3.50	4.77	3.94	2.07	33.64
1886..	1.68	1.06	1.33	1.68	2.61	1.98	3.94	3.22	3.73	1.25	4.29	1.70	28.47
1887..	1.87	1.67	1.87	2.21	2.00	4.38	2.22	2.80	2.01	1.99	4.67	3.44	31.13
1888..	1.06	0.79	2.56	1.93	3.26	3.95	1.47	4.10	5.68	3.94	3.60	1.63	33.97
1889..	3.57	1.59	2.35	1.51	4.28	6.26	4.09	2.48	4.82	3.32	2.46	1.48	38.21
1890..	2.05	1.98	3.70	1.93	6.12	2.57	3.33	6.76	3.84	2.02	2.31	1.90	38.51
1891..	2.85	1.01	1.70	2.77	2.16	1.48	3.48	3.25	2.44	3.02	2.73	2.23	29.12
1892..	2.76	1.67	0.92	1.02	4.28	6.72	7.66	8.36	3.22	1.35	3.28	1.00	42.24
1893..	0.70	1.24	0.52	1.70	3.17	1.73	3.74	8.31	2.45	1.72	1.41	2.35	29.04
1894..	1.30	0.99	1.31	0.86	3.54	1.45	1.57	1.49	2.88	3.59	1.96	2.02	22.96
1895..	1.31	1.16	0.77	1.65	3.79	2.78	2.46	4.84	3.64	0.23	4.32	1.74	28.69
1896..	0.63	1.94	3.54	0.60	1.25	3.13	3.83	4.09	3.59	2.53	2.43	0.83	28.38
1897..	2.50	1.08	2.49	4.01	5.00	5.63	8.48	4.08	2.13	1.53	4.41	2.10	43.44
1898..	2.60	2.98	1.04	2.33	2.14	2.93	1.51	4.58	5.01	4.01	1.90	0.75	31.78
1899..	1.12	1.24	4.12	1.88	2.01	2.43	5.37	3.82	6.38	2.81	3.42	2.65	37.25
1900..	3.32	2.17	3.19	0.91	2.45	1.96	2.73	5.25	3.20	1.90	5.74	1.42	34.24
1901..	1.76	0.67	2.73	3.11	3.96	4.70	2.29	3.18	3.07	2.88	1.81	3.69	33.88
1902..	0.66	1.82	2.82	2.37	4.46	5.29	6.23	3.17	3.68	4.95	1.29	1.62	38.36
1903..	2.18	1.92	3.53	1.63	T.	4.92	6.68	4.02	0.80	4.55	1.21	1.42	32.86
1904..	1.36	0.90	1.00	3.06	2.99	2.37	4.19	2.56	5.84	3.29	0.52	1.63	29.71
1905..	1.28	0.75	1.82	2.15	2.58	4.70	7.67	3.98	4.32	2.59	1.78	1.51	34.73
1906..	......	......	......	1.29	2.83	5.28	2.33	2.26	3.59	2.93	2.60	1.99	.....
1907..	1.02	0.67	1.37	2.56	1.54	4.21	3.68	1.05	4.70	3.59	2.67	2.61	29.67
1908..	1.54	2.27	1.74	1.93	3.47	2.46	2.66	1.70	1.15	1.95	1.03	1.59	23.49
M'ns	1.86	1.52	1.96	1.98	3.01	3.34	4.14	3.60	3.56	3.25	2.56	1.90	32.68

MANCHESTER, BENNINGTON CO., VT.—Elevation, 980 feet.

1887..	......	......	......	......	......	......	......	......	......	3.47	5.65	6.09	.....
1888..	4.67	4.74	5.05	4.04	6.18	6.18	1.98	5.91	7.04	5.65	6.70	4.61	62.75
1889..	4.23	......	......	......	3.51	8.42	8.38	4.31	5.77	3.95	5.34	5.60	.....
1890..	......	......	......	......	......	......	3.61	4.66	6.54	......	......	......	.....
1891 } 1899 }	......	......	......	......	......	......	......	......	......	......	......	......	.....
1900..	3.61	4.58	2.87	1.46	4.03	2.02	4.18	5.43	2.19	2.64	3.53	2.10	38.64
1901 .	1.35	0.56	3.86	5.30	5.09	2.11	6.06	4.95	4.02	1.79	2.84	4.05	41.98
1902..	1.37	1.51	1.74	4:45	3.58	3.70	7.65	3.92	4.06	5.78	1.44	5.30	44.50
1903..	2.59	3.10	3.54	1.50	0.86	5.59	2.70	6.19	1.57	4.55	2.14	1.92	36.25
1904..	2.00	1.11	1.48	2.72	4.08	4.15	5.97	4.70	7.42	3.19	0.69	2.13	39.64
1905..	3.14	1.05	1.93	2.22	2.27	5.24	4.73	3.61	6.08	1.61	4.04	3.65	39.57
1906..	1.73	2.17	2.82	3.48	6.95	4.08	3.88	1.95	3.77	4.29	1.95	2.08	39.15
1907..	1.65	0.75	0.62	3.02	3.17	4.26	4.00	2.18	8.03	4.95	3.76	1.80	38.19
1908..	1.55	3.12	2.90	3.99	4.86	2.88	3.18	4.60	0.63	2.02	1.16	1.42	31.41
M'ns	2.54	2.27	2.68	3.22	4.05	4.42	4.69	4.37	4.76	3.66	3.27	3.40	43.33

STRAFFORD, ORANGE CO., VT.—Elevation, 500 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1873..	......	......	6.60	0.60	1.50	3.85	6.77	3.50	4.30	6.80	2.41	5.35	.....
1874..	4.15	1.90	3.50	12.20	3.50	1.80	5.60	2.00	3.00	0.50	0.50	2.00	40.65
1875..	4.20	1.02	2.95	2.20	3.80	4.80	4.30	4.50	3.50	4.30	2.60	0.15	38.32
1876..	2.50	5.00	7.10	3.20	4.20	6.30	5.40	1.50	4.75	3.00	1.70	3.80	48.45
1877..	3.20	0.30	5.90	2.50	0.40	4.90	4.50	3.30	2.70	5.30	5.60	1.50	40.10
1878..	1.70	2.40	1.55	5.20	3.20	4.20	4.00	4.00	2.40	3.60	3.80	5.90	41.95
1879..	3.70	2.40	3.60	2.55	3.80	2.60	3.00	3.50	4.60	1.90	5.50	3.90	41.05
1880..	2.70	2.40	2.11	1.80	0.80	3.60	6.10	2.50	6.30	3.10	2.91	1.20	35.52
1881..	2.70	2.60	2.50	0.60	3.50	3.20	2.00	3.60	2.50	3.80	4.70	5.60	37.10
1882..	2.52	2.90	1.81	1.21	4.30	1.90	4.00	1.40	4.10	1.20	0.90	2.70	28.94
1883..	2.40	3.20	2.60	2.00	3.10	3.00	6.00	2.40	3.60	2.60	1.70	2.50	35.10
1884..	3.00	4.70	5.20	2.10	4.55	1.60	3.15	3.40	0.70	1.70	4.40	3.80	38.30
1885..	4.40	2.00	1.80	1.80	2.00	1.60	4.90	7.90	2.70	5.90	4.30	3.60	42.90
1886..	4.60	2.70	2.20	2.60	2.90	2.20	3.90	3.20	4.52	2.03	4.90	2.70	38.45
1887..	5.50	5.90	4.30	2.50	2.20	4.70	5.60	5.00	1.70	2.00	3.70	4.20	47.30
1888..	3.80	2.00	4.60	3.00	3.60	2.50	3.00	4.70	6.10	4.85	6.20	3.50	47.85
1889..	4.80	3.25	4.30	1.40	3.60	5.20	6.50	2.00	5.00	2.90	5.50	3.00	47.45
1890..	3.70	4.40	3.70	2.10	7.60	2.90	4.00	8.85	3.95	4.80	2.00	3.30	51.30
1891..	6.10	3.30	3.20	2.40	3.10	3.62	3.65	3.50	1.60	2.00	2.05	3.50	38.22
1892..	4.20	1.50	1.50	1.05	7.00	7.86	0.91	4.50	1.55	1.90	3.35	1.55	36.87
1893..	1.90	5.10	1.90	2.12	2.58	2.05	3.34	5.78	1.58	2.65	1.75	5.30	36.05
1894..	3.45	3.80	1.10	1.40	4.01	6.15	1.22	2.95	3.70	3.10	3.42	3.00	37.30
1895..	1.90	1.51	1.39	3.11	2.60	2.17	2.08	2.82	2.40	1.78	4.86	5.11	31.73
1896..	1.05	4.35	4.85	0.61	0.90	1.88	4.56	3.06	3.37	3.30	3.35	0.61	31.89
1897..	3.15	1.95	3.15	3.05	5.52	5.25	6.85	6.32	1.25	1.00	5.35	......	.....
M'ns	3.39	2.94	3.34	2.53	3.37	3.59	4.22	3.85	3.28	3.04	3.50	3.24	40.29

JACKSONVILLE, WINDHAM CO., VT.—Elevation, 1,000 feet.

1886..	6.46	3.62	4.00	3.52	3.71	3.26	3.94	3.70	4.60	4.00	5.80	5.22	51.83
1887..	6.43	7.05	4.49	3.51	1.40	5.58	7.11	6.68	1.66	2.56	3.57	5.72	55.76
1888..	5.11	5.13	7.22	3.76	6.15	4.57	2.63	6.50	7.80	6.86	6.92	3.90	66.55
1889..	5.96	2.37	2.02	3.72	4.82	5.15	9.70	4.04	3.05	4.23	7.25	4.01	56.32
1890..	4.31	6.13	5.48	1.79	5.87	2.34	3.28	6.56	6.46	9.30	1.50	5.05	58.07
1891..	6.85	5.25	4.23	3.73	2.67	3.84	7.45	4.74	1.47	2.79	4.10	6.56	53.68
1892..	5.90	2.55	3.63	0.87	8.73	......	......	......	......	......	......	......	.....
1893..	2.96	7.41	3.03	4.62	7.58	3.94	2.17	9.11	2.93	5.07	2.01	4.15	55.28
1894..	2.87	2.72	2.19	2.66	3.52	0.96	1.69	0.76	5.48	5.08	2.92	4.49	35.34
1895..	4.10	1.41	2.12	6.31	1.24	2.99	3.56	2.49	3.33	5.21	4.05	4.72	41.53
1896..	2.95	5.75	5.68	2.96	1.76	1.85	6.07	2.76	5.10	4.61	3.67	1.40	44.56
1897..	3.78	4.50	5.80	3.33	3.97	5.80	10.31	2.90	2.42	1.56	9.24	7.23	60.84
1898..	8.06	3.87	1.71	4.16	6.44	3.02	1.75	5.06	3.14	8.57	5.72	5.24	56.74
1899..	2.22	3.10	9.00	2.43	0.84	4.29	6.12	2.06	3.92	0.70	1.76	1.68	38.12
1900..	5.33	12.74	3.59	3.14	1.49	2.27	2.72	4.58	1.76	1.80	3.79	2.42	45.63
1901..	2.10	0.70	5.65	10.21	5.84	1.12	3.85	3.82	4.55	2.49	1.49	3.95	45.77
1902..	2.70	4.16	5.20	5.71	2.29	3.34	4.66	2.65	7.92	4.41	0.95	2.82	46.81
1903..	2.14	4.23	5.78	3.01	0.70	11.65	3.84	4.75	1.44	2.40	1.91	3.68	45.53
1904..	4.79	4.08	2.84	5.29	2.52	3.23	0.78	5.09	6.05	3.33	2.35	3.11	43.46
1905..	6.90	3.31	1.35	1.67	1.32	3.30	3.29	4.70	7.51	3.63	1.07	3.93	41.98
1906..	3.36	2.77	4.49	3.44	5.39	3.09	2.24	1.76	1.88	2.84	1.70	2.55	35.51
1907..	2.89	1.19	1.28	2.32	3.46	3.47	3.29	0.49	8.26	5.40	6.42	3.81	42.28
1908..	3.86	4.09	1.20	2.57	3.43	1.84	4.61	3.33	0.83	2.20	0.96	2.46	31.38
M'ns	4.44	4.27	4.00	3.68	3.71	3.68	4.32	4.02	4.21	4.05	3.59	4.02	47.86

NORTHFIELD, WASHINGTON CO., VT.—Elevation, 876 feet.

1887..	......	......	4.68	3.37	1.39	4.12	5.33	4.53	1.78	1.47	3.82	5.68	.....
1888..	4.99	2.73	4.81	2.87	3.51	6.17	1.30	3.43	6.27	3.53	3.82	2.46	45.89
1889..	3.90	2.18	2.05	1.10	2.48	5.02	4.65	1.59	4.06	3.57	3.45	2.61	36.66
1890..	2.76	3.29	2.54	1.94	4.32	2.84	2.87	6.98	2.95	3.49	2.28	1.91	38.17
1891..	3.79	2.13	2.68	2.41	2.46	2.04	3.20	4.78	0.98	1.87	2.14	2.63	31.11
1892..	3.21	1.73	1.13	0.44	3.30	5.66	2.88	6.50	1.74	1.52	3.43	1.13	32.67
1893..	1.78	2.47	1.21	1.63	3.97	2.07	3.74	6.14	1.91	1.54	1.98	2.92	31.36
1894..	2.56	1.54	1.06	1.32	3.33	1.71	1.64	3.23	2.99	3.50	2.58	3.46	28.92
1895..	1.99	0.82	1.36	4.60	3.38	2.11	2.82	4.64	2.60	0.45	5.68	4.75	35.20
1896..	0.87	4.45	6.41	0.51	1.44	1.62	5.99	2.27	3.48	2.42	3.55	0.81	33.82
1897..	3.46	1.53	2.73	2.73	3.46	3.77	8.04	2.71	1.43	1.16	4.86	3.26	39.14
1898..	3.30	3.72	0.64	2.74	2.10	2.28	1.66	5.22	2.66	2.87	1.97	1.36	30.52
1899..	1.77	1.69	4.03	1.20	1.52	1.60	3.41	0.77	4.19	2.49	2.38	2.31	27.36
1900..	2.61	4.32	4.49	1.10	1.60	2.33	3.02	4.11	2.59	2.61	3.99	1.34	34.11
1901..	1.43	0.18	3.31	3.12	3.91	2.97	4.86	3.02	1.79	1.52	0.89	4.42	31.42
1902..	2.09	2.37	4.97	3.84	3.42	3.84	2.91	4.06	3.31	3.01	1.06	3.45	38.33
1903..	2.21	3.53	3.87	0.97	0.19	4.75	2.71	2.94	1.21	2.75	1.04	2.92	29.09
1904..	2.38	0.56	1.84	2.95	2.30	1.33	3.53	3.54	5.06	2.29	0.56	1.32	27.66
1905..	1.53	0.73	2.06	1.93	1.74	3.89	6.17	4.02	4.35	1.52	1.73	2.64	32.31
1906..	1.38	2.18	2.33	1.05	4.57	4.40	4.30	3.55	1.87	3.16	2.53	3.43	34.75
1907..	1.48	0.71	1.87	4.66	1.92	3.70	3.45	1.47	6.08	5.14	3.32	3.97	37.77
1908..	1.93	4.44	2.17	2.20	3.73	2.68	2.05	3.73	0.35	1.99	1.18	2.62	29.07
M'ns	2.52	2.29	2.83	2.21	2.73	3.22	3.66	3.74	2.89	2.45	2.65	2.80	33.99

ENOSBURG FALLS, FRANKLIN CO., VT.—Elevation, 601 feet.

1891..	......	......	......	......	......	1.39	5.95	4.64	2.98	2.23	3.25	4.02	.....
1892..	3.54	2.00	2.74	2.10	4.49	11.23	5.78	7.63	1.43	2.56	4.09	2.40	49.99
1893..	1.40	3.65	1.20	2.53	2.91	2.61	4.77	6.21	3.37	2.21	1.76	4.62	37.24
1894..	2.45	2.35	2.40	1.86	4.96	3.19	5.51	3.09	3.70	5.26	2.29	1.91	38.97
1895..	1.70	2.15	0.85	2.59	4.61	4.14	3.00	3.37	2.20	0.56	6.24	4.29	35.70
1896..	1.30	5.57	6.26	1.75	2.42	4.13	4.10	2.84	2.42	3.31	3.58	0.45	38.13
1897..	3.45	1.25	2.47	3.91	5.50	3.46	12.73	2.77	2.02	0.82	4.63	3.93	46.94
1898..	4.56	4.40	1.20	1.58	2.70	3.45	2.29	5.53	4.89	3.62	1.90	4.23	40.35
1899..	2.30	2.18	6.40	1.66	2.11	......	......	1.99	3.83	3.99	2.21	2.90	.....
1900..	3.30	3.65	3.93	2.19	4.23	4.21	5.02	3.41	3.03	3.54	7.54	4.24	48.29

ENOSBURG FALLS, VT.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1901..	5.17	3.65	5.97	2.72	2.88	5.35	3.84	5.74	2.76	3.26	5.71	5.25	52.30
1902..	2.97	5.46	4.81	3.08	4.96	5.64	5.10	2.85	3.28	5.51	2.59	2.40	48.65
1903..	2.88	4.64	5.08	2.95	0.45	4.14	5.02	3.79	0.45	3.43	1.63	2.27	36.73
1904..	2.88	1.81	2.46	2.43	3.21	4.46	4.82	4.22	5.45	3.04	0.75	1.71	37.24
1905..	1.82	0.54	2.99	2.22	3.11	4.10	7.59	4.63	3.69	2.89	2.76	3.04	39.38
1906..	2.05	2.11	1.99	2.09	3.26	6.16	4.03	1.49	3.79	2.91	3.33	2.46	35.67
1907..	2.22	0.91	1.91	2.29	1.85	4.70	6.34	1.94	5.41	4.56	2.55	3.93	38.61
1908..	1.78	2.89	2.71	2.43	6.26	2.79	2.51	2.50	1.16	2.47	1.86	2.54	31.90
M'ns	2.69	2.89	3.26	2.38	3.52	4.42	5.20	3.81	2.99	3.12	3.26	3.14	40.68

MASSACHUSETTS.

SPRINGFIELD, HAMPSHIRE CO., MASS.—Elevation, 199 feet.

1848..	2.01	2.08	3.06	1.77	8.34	4.64	3.61	2.11	1.92	3.28	3.99	4.57	41.38
1849..	0.68	0.52	3.91	1.26	4.68	2.06	3.19	4.60	1.36	7.50	2.56	2.04	34.36
1850..	4.18	3.67	2.94	4.29	8.21	3.55	5.28	5.94	5.78	4.03	2.11	3.82	53.80
1851..	1.61	4.94	1.32	3.89	4.10	3.54	3.95	5.57	1.73	6.96	4.84	2.77	45.22
1852..	1.88	3.12	2.54	4.37	2.88	2.46	2.96	6.47	1.77	2.59	5.45	3.95	40.44
1853..	1.46	5.75	2.33	3.46	4.88	1.89	6.43	8.34	5.78	4.34	4.88	1.82	51.36
1854..	2.77	4.87	2.28	7.79	4.10	1.85	7.47	0.88	4.54	2.44	8.13	3.25	50.37
1855..	4.00	3.04	0.95	3.11	1.91	4.15	8.18	2.40	0.74	9.46	3.87	5.40	47.21
1856..	3.11	0.75	1.04	3.02	5.23	1.70	1.69	11.72	2.57	1.40	2.26	4.13	38.62
1857..	3.21	1.98	2.32	5.15	5.76	2.27	6.24	3.49	3.31	4.17	1.55	5.21	44.66
1858..	3.21	1.68	0.88	3.48	2.99	5.50	3.97	3.74	4.02	3.12	1.92	3.29	37.80
1859..	5.33	3.56	6.39	2.86	4.65	6.38	2.28	4.01	4.11	1.91	2.68	4.45	48.61
1860..	1.60	2.71	2.50	1.49	2.62	4.12	5.32	4.98	4.93	2.60	4.30	4.19	41.36
1861..	4.57	3.05	3.25	5.76	4.42	3.31	3.94	5.35	3.36	5.19	3.87	2.05	48.12
1862..	5.65	2.59	4.43	2.24	2.93	10.04	6.54	3.25	1.83	2.76	4.75	2.95	49.96
1863..	4.70	4.19	6.12	2.25	3.20	1.70	9.77	3.35	2.44	4.23	5.32	4.43	51.70
1864..	2.51	1.22	2.25	2.54	2.87	0.56	1.22	2.54	2.61	2.97	5.16	4.45	30.90
1865..	3.23	2.47	5.07	2.72	8.39	3.74	3.86	1.67	0.65	4.57	2.64	3.12	42.13
1866..	1.52	4.86	2.93	2.23	5.86	5.08	3.00	2.83	5.21	2.76	3.24	3.30	42.82
1867..	1.83	4.57	4.07	3.16	5.06	4.33	5.29	10.05	2.59	3.55	3.29	1.77	49.56
1868..	3.65	1.66	3.79	4.53	8.90	3.46	2.95	3.27	9.96	1.62	4.87	1.42	50.08
1869..	3.31	4.48	5.75	1.80	5.91	5.88	2.67	1.40	4.17	13.50	3.30	5.80	57.97
1870..	5.80	5.54	3.35	3.90	1.86	3.54	3.27	1.77	2.34	4.62	3.03	1.89	40.91
1871..	2.87	2.84	5.63	3.12	4.28	6.55	2.21	8.29	1.32	6.26	3.71	2.66	49.74
1872..	1.51	2.50	3.35	2.20	3.16	3.37	6.20	7.13	4.34	3.87	4.92	3.41	45.96
1873..	5.28	2.89	2.91	2.55	4.86	0.66	3.46	4.41	4.33	7.03	4.01	4.64	47.03
1874..	5.23	3.35	1.60	6.44	4.90	3.87	5.83	4.23	2.31	2.23	2.96	1.47	44.42
1875..	2.83	4.04	4.78	3.62	2.24	3.54	3.23	9.92	2.40	4.06	4.86	1.46	46.98
1876..	2.10	5.65	8.47	3.12	3.31	2.63	4.59	1.40	4.75	1.21	3.48	4.64	45.35
1877..	3.24	0.80	8.12	2.95	1.11	3.39	4.34	2.33	0.78	8.39	5.95	1.06	42.46
1878..	4.29	4.30	3.82	6.72	2.48	7.97	2.32	3.91	2.31	2.65	5.64	5.98	52.39
1879..	1.79	4.06	5.14	4.93	2.49	6.68	4.50	7.15	2.93	1.42	2.19	5.00	48.28
1880..	3.93	4.04	3.14	3.64	1.94	2.02	6.44	3.17	2.74	4.07	3.45	2.07	40.65
1881..	4.57	4.15	3.35	1.75	4.68	6.21	3.10	3.10	0.79	3.62	4.98	5.23	45.51
1882..	5.38	4.76	3.34	1.41	5.89	4.00	1.89	1.59	11.40	1.83	0.80	2.12	44.41
1883..	2.60	4.76	2.70	2.25	5.07	3.30	3.94	2.00	3.34	5.36	1.24	3.66	40.22
1884..	4.77	6.24	5.22	3.10	2.60	4.72	5.27	6.12	1.81	2.76	3.48	5.20	51.29
1885..	4.65	3.52	1.82	3.31	2.55	2.05	4.09	7.47	1.01	4.89	5.91	4.39	45.66
1886..	5.31	4.80	3.76	2.56	3.30	1.74	4.27	3.31	4.45	3.43	4.77	3.76	45.46
1887..	4.85	5.23	4.19	3.43	1.02	6.44	6.61	7.69	1.84	1.96	3.21	......	.....
1888..	......	......	......	......	......	......	......	......	......	......	......	4.96	.....
1889..	3.92	1.71	1.57	2.28	4.31	3.68	9.08	2.39	4.28	4.67	5.66	3.17	46.72
1890..	2.67	4.07	6.36	2.21	5.36	1.83	4.69	5.59	11.14	6.70	1.11	3.15	54.88
1891..	7.86	4.34	3.60	2.55	2.18	3.50	6.37	4.01	1.41	3.39	3.00	4.80	47.01
1892..	4.99	2.09	2.29	0.64	6.96	4.43	7.17	6.58	1.89	0.97	6.14	1.14	45.29
1893..	3.49	5.94	3.70	4.49	5.48	3.69	2.07	3.12	2.53	5.16	2.08	4.04	45.79
1894..	2.30	2.13	1.87	1.93	3.59	2.06	2.52	0.93	5.41	4.98	4.23	3.50	35.45
1895..	3.69	1.29	2.24	3.93	1.91	3.26	4.56	3.70	3.11	6.20	4.59	2.77	41.25
1896..	0.76	4.45	6.78	0.85	2.57	2.87	5.74	2.58	6.24	4.03	2.90	1.37	41.14
1897..	3.99	2.67	3.07	2.24	4.70	6.22	14.99	4.09	1.52	1.64	5.15	5.10	55.38
1898..	4.42	4.45	1.00	3.46	5.50	3.26	4.54	6.52	2.73	5.66	6.93	3.05	51.52
1899..	3.20	4.42	6.80	2.37	1.78	4.03	5.37	1.30	3.33	2.93	1.99	1.67	39.19
1900..	3.70	8.69	5.85	1.25	5.07	2.84	2.44	1.62	2.52	3.60	5.86	2.76	46.20
1901..	1.74	0.63	5.92	6.80	5.26	1.23	5.11	7.74	3.10	4.31	1.37	8.82	52.03
1902..	1.33	4.00	4.74	3.42	1.40	2.76	3.90	4.62	......	......	......	......	.....
M'ns	3.43	3.56	3.71	3.20	4.11	3.71	4.70	4.03	3.39	4.13	3.86	3.53	45.36

TURNERS FALLS, FRANKLIN CO., MASS.—Elevation, 200 feet.

1892..	......	1.67	2.16	0.55	5.68	3.17	4.58	7.02	2.60	0.52	5.17	1.00	.....
1893..	2.70	4.54	3.85	3.12	4.65	2.77	1.65	4.13	1.42	2.90	2.04	3.87	37.64
1894..	1.75	1.72	1.30	1.41	2.06	2.37	1.39	0.69	4.86	3.95	2.98	3.18	27.66
1895..	3.26	0.51	2.15	2.78	1.83	2.59	4.55	3.17	3.41	2.78	4.41	3.56	35.00
1896..	1.09	2.74	7.66	1.06	2.16	1.62	3.44	3.60	6.37	2.98	3.50	0.82	37.04
1897..	3.11	2.04	......	......	......	6.59	15.39	2.59	1.26	1.48	4.77	5.74	.....
1898..	5.79	1.86	1.30	3.25	4.26	2.73	2.46	5.68	3.73	7.02	4.43	1.52	44.03
1899..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1900..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1901..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1902..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1903..	3.20	3.65	4.77	2.13	0.44	7.92	3.43	4.08	1.33	1.69	1.92	2.89	37.45
1904..	3.07	2.01	3.77	4.40	2.53	3.17	3.38	4.46	6.38	1.92	1.68	2.67	39.44
1905..	3.58	1.33	2.98	2.03	1.23	3.69	2.92	5.12	6.33	1.73	2.10	3.50	36.54
1906..	2.05	2.28	4.25	2.47	6.03	3.55	4.90	4.38	2.25	4.62	3.12	2.58	42.48
1907..	3.61	1.45	2.12	2.74	3.35	3.15	1.95	1.72	10.41	4.83	5.02	3.79	44.14
1908..	2.87	4.62	3.21	2.17	5.36	1.87	3.97	6.15	1.11	1.79	0.66	2.90	36.68
M'ns	3.01	2.34	3.29	2.34	3.30	3.48	4.15	4.06	3.96	2.94	3.22	2.92	39.01

BOSTON, SUFFOLK CO., MASS.—Elevation, 124 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1818..	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.86	42.99
1819..	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820..	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821..	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.89
1822..	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823..	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824 .	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	36.02
1825..	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826..	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827..	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828..	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829..	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830..	2.36	1.63	3.51	1.21	3.03	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831..	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832..	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833..	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834..	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835..	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836..	8.84	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837..	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838..	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839..	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840..	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841..	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842..	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843..	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844..	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845..	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	40.32
1846..	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847..	3.28	4.70	4.77	2.20	2.93	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848..	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1840..	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850..	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851..	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852..	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853..	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854..	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855..	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856..	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857..	5.36	2.45	3.09	10.83	5.57	2.02	5.53	1.18	2.56	4.50	2.52	5.26	50.87
1858..	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859..	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860..	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.46
1861..	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.07
1862..	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4.85	8.32	3.01	61.06
1863..	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864..	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4.00	5.28	49.30
1865..	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866..	3.73	5.28	4.70	2.03	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867..	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2.32	2.48	55.64
1868..	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869..	4.03	9.98	8.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.71	9.04	66.25
1870..	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871..	1.77	2.63	4.55	3.79	4.34	5.32	3.22	3.08	1.30	5.88	6.42	3.38	45.68
1872..	2.11	2.31	4.05	1.31	3.29	4.84	4.00	10.68	6.23	4.85	3.66	3.09	50.42
1873..	5.76	3.21	3.76	3.83	5.16	0.54	3.84	6.21	2.91	5.33	8.34	5.64	54.53
1874 .	4.32	3.41	1.60	7.97	3.71	3.94	3.47	6.67	2.05	1.39	2.85	2.14	43.52
1875..	3.68	3.74	5.04	4.92	3.76	7.25	3.93	3.50	3.12	4.99	5.47	0.75	50.15
1876..	1.87	4.54	7.19	3.61	2.70	1.72	5.86	1.23	3.84	1.66	11.03	3.71	48.96
1877..	3.33	0.45	9.79	4.19	3.38	3.21	2.27	4.49	0.60	8.84	9.62	1.32	51.49
1878..	7.60	4.40	5.91	6.14	1.03	2.28	4.58	7.66	3.47	6.76	8.94	6.76	65.53
1879..	2.79	4.35	3.90	6.58	0.97	6.24	3.09	6.71	1.84	0.91	2.97	5.36	45.71
1880..	3.72	4.11	3.25	2.85	1.63	0.75	6.86	2.90	2.36	3.15	2.30	3.42	37.30
1881..	7.21	4.89	9.86	1.66	4.16	7.79	2.96	1.23	2.50	2.84	3.73	3.80	52.63
1882..	3.68	4.77	3.35	2.50	6.05	1.03	3.91	1.46	10.93	2.29	1.20	2.65	43.82
1883..	3.59	2.74	2.33	2.83	5.11	2.07	2.73	0.39	1.50	6.40	2.08	3.71	35.48
1884..	6.27	5.74	4.86	4.76	3.31	4.01	4.25	5.01	0.31	3.17	3.03	4.46	49.18
1885..	5.33	3.00	1.15	3.30	4.26	3.70	1.44	7.64	1.70	5.71	5.78	2.09	45.10
1886..	7.08	7.04	3.20	1.70	3.08	1.34	1.81	3.64	2.73	3.27	3.59	3.66	42.14
1887..	4.86	3.69	3.86	2.62	1.67	1.98	3.59	3.05	0.97	2.53	2.22	2.71	33.75
1888..	2.26	2.36	3.32	2.04	5.20	2.69	1.79	6.53	6.77	3.58	4.97	4.38	45.89
1889..	4.11	1.54	1.19	3.07	4.15	2.77	5.80	3.95	3.19	3.31	4.01	1.83	38.92
1890..	2.00	2.29	5.88	2.29	4.48	2.21	1.93	2.70	5.04	5.63	0.97	3.72	39.14
1891..	4.39	3.66	3.94	1.71	1.56	3.06	3.73	3.87	2.29	5.56	2.35	3.58	39.70
1892..	4.62	2.15	3.91	0.93	5.15	3.05	2.56	4.87	1.90	2.31	4.45	1.12	37.02
1893..	2.56	6.22	2.80	3.13	5.23	2.20	1.72	6.46	1.59	2.94	1.83	5.16	41.84
1894..	3.01	3.15	1.01	3.78	4.12	0.80	3.09	3.03	2.14	5.11	3.10	4.28	36.62
1895..	3.79	1.11	2.72	3.65	2.71	1.73	2.98	3.24	1.53	6.19	8.07	2.45	40.17
1896..	2.25	3.94	5.41	1.56	1.68	2.71	2.90	2.15	6.40	3.15	3.70	1.70	37.55
1897..	3.16	2.12	2.79	3.17	4.00	4.46	4.22	3.95	2.38	0.41	6.19	3.92	40.77
1898..	3.50	4.81	1.82	6.39	4.33	1.60	4.42	6.38	1.93	7.17	5.32	2.10	49.77
1899..	4.19	3.03	5.95	1.29	0.81	2.86	2.52	2.52	5.09	2.40	2.51	1.52	34.69
1900..	4.20	6.83	4.60	1.90	5.07	1.85	2.69	2.46	4.62	3.41	4.17	2.25	44.05
1901..	1.56	0.66	6.58	7.43	6.31	1.31	5.20	3.25	2.50	3.02	2.41	8.49	48.72
1902..	1.65	4.19	5.29	2.87	1.07	1.77	2.88	2.20	2.08	4.36	1.09	4.48	33.93
1903..	3.43	3.90	5.95	4.43	0.32	7.19	2.99	3.33	2.43	3.95	1.48	2.57	41.97
1904..	4.80	2.49	2.43	9.14	3.38	2.06	1.23	2.19	5.57	2.13	1.70	2.52	39.64
1905..	4.09	1.59	2.25	2.14	1.47	5.23	1.00	3.39	5.10	0.82	1.77	3.23	32.08
1906..	2.96	2.66	5.45	2.15	4.91	2.57	5.38	1.58	2.64	3.88	2.55	3.96	40.69
1907..	2.54	1.88	1.66	3.31	3.12	2.56	1.09	1.10	7.43	2.54	6.02	4.31	37.56
1908 .	2.47	2.96	2.97	1.70	3.78	1.08	3.17	4.35	0.68	3.70	0.74	2.47	30.07
M'ns	3.74	3.51	4.14	3.81	3.66	3.14	3.51	4.15	3.44	3.71	4.11	3.78	44.70

WILLIAMSTOWN, BERKSHIRE CO., MASS.—Elevation, 711 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1852..	......	......	......	5.02	3.30	.....	......	......	......	......	......	......	.....
1853..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1854..	......	......	......	......	......	.....	......	......	5.86	1.93	4.71	1.10	.....
1855..	2.52	1.43	0.21	5.64	2.85	5.48	6.75	3.56	1.92	12.93	4.59	6.63	54.51
1856..	2.23	0.96	1.65	2.09	6.25	......	1.27	14.79	4.25	1.20	2.51	3.76	.....
1857..	......	3.68	......	......	......	......	4.05	5.19	3.32	4.87	1.76	3.86	.....
1858..	2.99	1.00	1.06	2.24	3.54	2.82	4.37	5.77	2.97	3.15	3.11	1.74	34.76
1859..	7.33	1.74	4.62	3.88	......	......	3.46	2.56	3.78	1.31	3.04	5.05	.....
1860..	1.04	2.37	2.20	1.02	2.38	4.09	7.18	4.86	5.07	2.18	4.43	3.37	40.50
1861..	1.02	2.92	4.41	5.32	5.25	2.08	6.09	4.14	3.82	4.15	3.17	2.13	44.50
1862..	3.65	......	......	......	......	......	......	......	......	......	......	......	.....
1863..	......	......	......	......	......	1.53	9.87	5.24	3.05	2.32	4.26	4.13	.....
1864..	1.24	1.49	2.24	1.92	1.98	1.64	1.91	4.96	3.06	3.58	3.16	4.18	31.36
1865..	......	1.04	5.20	4.10	......	2.93	4.83	0.65	2.27	5.27	1.79	2.12	.....
1866..	1.01	1.78	1.76	0.75	3.38	4.38	4.05	3.38	4.97	2.37	4.00	3.75	35.58
1867..	1.65	2.35	1.38	3.96	5.90	1.47	3.61	5.21	2.20	1.27	3.39	1.55	33.94
1868..	2.42	1.95	1.20	2.60	5.43	1.22	0.37	3.40	6.50	0.93	4.42	2.49	32.93
1869..	3.52	3.78	4.44	3.16	3.28	3.84	5.17	......	3.18	10.68	1.09	4.41	.....
1870..	5.46	5.80	4.76	3.29	1.27	5.05	3.89	5.77	2.24	4.30	2.25	0.76	44.84
1871..	1.12	1.50	3.02	2.29	2.19	4.85	4.72	6.53	1.00	2.00	2.74	3.61	35.57
1872..	1.05	......	3.56	......	.....	.....	......	......	......	......	......	......	.....
1873..	......	......	......	......	......	......	......	.....	......	.....	.....	......	.....
1874..	......	......	9.95	0.90	.....	......	......	......	......	.....	0.80	0.10	.....
1875..	......	......	......	......	.....	3.51	3.94	5.06	3.49	5.26	3.84	1.44	.....
1876..	3.52	4.48	4.68	3.52	2.69	6.59	6.77	1.63	3.85	0.79	3.56	3.00	45.08
1877..	.....	0.22	4.64	1.29	......	4.22	......	......	......	......	......	......	.....
1878..	.....	......	......	......	......	......	......	3.25	1.62	3.06	4.29	3.70	.....
1879..	2.00	1.86	2.37	3.04	......	......	......	3.93	4.62	0.93	3.43	2.59	.....
1880..	3.39	2.60	1.46	4.77	2.58	1.55	4.36	3.59	3.09	2.46	1.51	2.39	33.75
1881..	1.88	6.19	2.28	......	3.53	2.08	5.16	1.02	2.26	2.28	3.33	5.04	.....
1882..	2.23	......	2.35	1.72	4.26	3.85	2.42	3.26	7.04	0.32	1.18	0.96	.....
1883..	.....	2.61	0.87	1.98	3.81	3.19	4.59	2.92	2.64	3.32	1.65	.....	.....
1884..	1.75	3.76	3.89	1.83	2.51	1.65	......	......	0.58	2.98	2.92	3.72	.....
1885..	6.63	3.56	0.96	3.18	2.00	1.48	2.87	6.66	1.65	3.12	3.97	3.43	39.51
1886..	3.92	2.61	5.01	1.56	4.77	2.72	4.20	1.56	4.31	2.60	5.80	4.04	43.10
1887..	6.29	4.50	5.15	3.23	1.31	4.33	10.82	7.03	2.30	1.13	3.77	4.30	54.16
1888..	......	2.18	7.89	2.80	3.61	3.90	1.23	4.48	4.21	5.06	4.12	3.38	.....
1889..	2.96	1.22	1.10	2.31	1.78	5.08	5.81	2.94	2.39	2.95	4.20	3.30	36.04
1890..	3.41	3.92	4.06	1.46	4.68	1.72	......	......	......	......	......	......	.....
1891..	......	.....	......	......	......	......	5.43	4.48	0.74	1.80	1.80	3.59	.....
1892..	2.68	1.13	1.75	0.40	5.43	2.07	4.22	4.58	1.68	1.57	2.99	5.46	33.96
1893..	2.72	3.72	1.39	2.43	2.75	2.08	1.46	5.84	4.46	2.26	1.22	5.94	36.27
1894..	2.54	2.29	1.13	1.82	3.16	2.99	3.39	1.46	4.58	4.91	......	1.75	.....
1895..	1.87	1.70	2.10	3.90	2.10	3.62	2.37	3.25	2.22	3.74	4.12	3.11	34.10
1896..	0.71	2.29	3.10	0.79	2.22	2.55	3.89	3.06	4.83	2.94	2.98	1.46	30.82
1897..	2.62	1.37	2.93	3.50	4.21	6.61	9.74	3.40	2.12	0.86	6.46	4.61	48.43
1898..	5.25	2.15	2.47	3.60	4.10	3.01	1.48	8.51	3.22	6.99	3.25	2.42	46.45
1899..	1.61	2.31	4.05	1.58	1.06	3.66	5.03	1.60	5.31	1.11	1.30	2.29	30.91
1900..	3.61	3.46	3.14	1.17	2.43	4.94	5.56	5.91	1.21	3.52	3.59	1.54	40.08
1901..	1.69	0.48	4.58	5.76	4.98	1.80	5.78	7.14	1.98	1.91	2.43	4.63	43.16
1902..	1.24	2.45	3.56	3.70	3.30	4.83	4.64	5.14	4.01	3.66	0.97	4.41	41.91
1903..	2.68	3.55	4.67	1.37	0.63	9.07	3.49	7.51	1.36	4.46	1.92	2.19	42.90
1904..	1.96	0.94	1.51	2.22	3.24	5.29	1.60	4.34	5.39	2.56	1.68	1.39	32.12
1905..	1.91	0.56	2.74	1.89	1.19	5.74	5.35	4.55	3.24	2.05	1.95	2.13	33.30
1906..	1.36	1.89	2.33	2.93	5.40	3.55	5.50	2.77	1.63	3.18	2.45	3.09	36.08
1907..	2.24	1.52	1.56	2.88	2.22	3.86	3.96	1.25	6.06	6.50	3.42	2.17	37.64
1908..	0.95	2.29	2.03	2.85	5.19	3.24	4.98	3.91	0.38	1.74	0.83	2.09	30.48
M'ns	2.65	2.39	3.05	2.69	3.29	3.55	4.48	4.39	3.24	3.20	2.98	3.07	38.98

TAUNTON, BRISTOL CO., MASS.—Elevation, 40 feet.

1874..	......	......	......	......	......	2.08	2.58	9.07	1.84	1.54	1.95	2.31	.....
1875..	7.64	4.21	3.75	5.40	2.90	2.48	3.37	4.63	1.69	2.62	2.96	1.67	43.32
1876..	5.06	4.68	3.39	3.88	1.91	1.82	5.57	2.44	4.59	0.44	7.00	2.87	43.65
1877..	4.86	2.68	3.06	1.56	2.50	2.61	2.80	5.79	0.82	8.38	6.88	3.84	45.78
1878..	5.16	4.04	3.19	5.32	1.63	2.54	2.07	1.38	1.05	4.42	7.91	3.84	42.55
1879..	3.87	5.41	4.60	4.77	1.25	2.92	4.86	4.25	2.07	0.30	3.71	4.20	42.23
1880..	4.91	5.09	3.86	3.75	0.25	1.51	7.03	10.39	2.02	2.74	4.60	3.25	49.40
1881..	6.10	3.76	4.48	3.24	2.56	5.40	1.53	0.25	2.36	1.69	6.53	3.10	41.00
1882..	6.38	5.51	2.00	2.10	3.36	2.28	1.16	0.20	6.13	3.07	2.09	2.98	37.26
1883..	6.20	4.18	3.16	1.55	2.70	1.00	2.10	0.14	2.13	3.15	5.08	3.27	34.66
1884..	4.35	4.84	5.33	4.12	2.73	4.04	4.13	5.42	0.53	2.55	3.63	5.31	46.98
1885..	5.56	2.93	1.07	2.61	3.89	3.21	2.56	4.10	4.94	3.85	3.26	2.49	40.47
1886..	5.17	8.85	3.52	2.14	4.26	1.23	2.64	3.81	2.62	3.13	3.95	3.74	45.06
1887..	7.15	4.52	5.17	5.32	2.70	4.08	6.20	5.17	1.84	3.08	2.37	4.02	51.62
1888..	3.82	3.79	6.37	2.24	4.72	1.61	3.17	5.03	9.14	4.79	9.25	3.86	57.79
1889..	6.43	2.21	2.08	4.34	5.67	2.02	7.92	7.34	3.02	4.44	6.59	2.68	54.74
1890..	2.89	3.70	8.40	3.81	5.76	3.60	1.44	3.86	5.41	10.44	0.99	4.28	54.58
1891..	8.51	5.82	5.93	4.05	2.56	2.13	2.85	3.89	2.51	5.15	3.40	4.27	51.07
1892..	4.93	3.41	6.66	1.46	5.93	3.81	1.72	2.98	2.76	1.56	6.55	1.71	43.48
1893..	3.32	8.07	3.83	3.87	4.42	2.47	0.63	6.46	1.51	3.33	1.66	6.68	46.25
1894..	3.22	5.11	0.87	3.44	3.76	1.13	2.41	1.50	3.17	8.88	4.15	4.87	42.51
1895..	4.24	1.21	3.74	5.55	3.95	2.17	3.56	3.77	2.13	6.61	5.73	3.47	46.13
1896..	3.08	5.67	5.79	1.30	3.22	4.21	1.53	3.37	9.21	3.36	3.87	3.30	47.91
1897..	4.23	3.00	2.94	4.28	4.97	3.25	5.69	4.15	2.90	1.13	8.16	4.58	49.28
1898..	6.14	6.07	3.06	7.00	4.79	1.55	9.89	5.07	3.04	10.48	7.51	2.63	67.23
1899..	5.44	6.09	7.10	2.06	2.17	4.07	4.44	1.79	9.05	3.50	1.66	1.47	48.84
1900..	5.21	7.56	5.42	2.16	6.87	2.67	3.06	2.43	5.08	3.97	4.91	2.91	52.25
1901..	2.84	1.16	8.92	8.05	7.70	2.27	3.94	3.40	3.45	2.64	2.51	9.76	56.64
1902..	2.10	6.77	5.72	3.52	1.41	4.87	2.86	2.85	3.17	3.68	1.76	5.56	44.27
1903..	7.59	6.69	6.79	4.65	0.35	4.49	3.89	4.05	0.72	3.97	1.68	3.70	48.57
1904..	4.49	2.65	2.47	8.54	2.50	3.37	2.45	4.95	3.45	1.72	2.05	3.25	41.89
1905..	4.05	1.82	2.53	2.98	1.22	7.82	2.65	2.90	4.79	1.83	2.26	4.02	38.87
1906..	2.81	4.16	6.85	2.33	4.34	3.58	4.61	1.60	2.79	4.30	2.38	4.32	44.07
1907..	3.37	3.12	2.06	3.73	4.15	2.40	1.48	1.17	9.37	3.51	6.87	6.01	47.24
1908..	3.69	4.33	4.12	2.78	3.45	2.32	4.05	4.67	1.17	5.62	1.32	4.50	42.02
M'ns	4.85	4.50	4.36	3.76	3.43	2.94	3.51	3.84	3.50	3.88	4.21	3.85	46.75

LAWRENCE, ESSEX CO., MASS.—Elevation, 51 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1856..	2.15	2.13	1.03	3.78	6.24	2.73	2.40	18.12	6.53	4.30	4.33	4.96	58.70
1857..	6.52	2.07	3.48	9.85	4.82	2.86	4.88	6.29	2.65	5.98	2.35	4.84	56.59
1858..	2.79	1.80	2.47	3.09	3.39	4.90	3.99	4.86	4.05	3.30	1.70	5.02	41.36
1859..	6.09	5.35	3.43	3.16	3.21	4.56	1.43	3.68	3.66	2.11	3.21	7.61	47.50
1860..	1.12	2.58	1.06	0.76	2.02	3.77	5.51	3.71	6.74	2.13	2.81	2.60	34.81
1861..	......	......	......	1.95	5.54	......	4.97	2.34	......	3.07	3.86	1.38	.....
1862..	5.43	2.20	3.85	......	......	3.31	4.61	2.74	2.40	.....	5.36	1.20	.....
1863..	......	2.52	......	5.15	2.29	2.23	9.24	6.19	2.82	1.65	7.45	7.07	.....
1864..	2.55	0.98	6.99	6.43	2.27	1.38	1.34	3.70	1.73	3.86	3.88	3.96	39.07
1865..	......	......	......	......	......	......	0.70	2.46	0.68	3.41	0.92	2.84	.....
1866..	0.75	4.43	3.70	0.85	4.65	2.71	4.67	2.41	4.76	1.79	4.13	3.16	38.01
1867..	3.96	4.19	4.13	2.81	3.46	3.56	7.40	9.56	0.82	4.79	3.73	3.45	51.86
1868..	3.06	1.46	......	5.08	9.22	2.67	1.41	4.45	13.42	1.66	6.69	0.68	.....
1869..	2.81	2.51	7.43	1.80	5.09	5.17	2.92	2.11	5.71	8.21	2.34	4.21	50.31
1870..	6.98	5.36	5.72	7.44	1.49	3.49	1.55	3.64	......	4.35	3.62	3.03	.....
1871..	2.91	1.65	4.02	2.78	3.73	5.21	3.35	5.39	1.18	4.82	4.14	3.00	42.18
1872..	1.18	0.25	2.94	2.47	3.76	5.88	5.47	8.31	4.59	3.30	1.39	3.93	43.47
1873..	4.46	1.97	2.45	2.52	3.11	1.00	5.17	3.84	3.41	5.63	3.96	1.89	39.41
1874..	3.29	2.81	1.37	6.43	4.51	3.34	4.61	9.21	1.36	1.50	1.82	2.67	42.92
1875..	3.83	3.03	5.29	2.58	3.12	4.69	2.36	4.06	3.13	4.65	5.16	1.07	42.97
1876..	2.01	4.15	7.11	3.52	4.87	2.14	5.67	0.30	4.22	3.02	4.71	2.24	43.96
1877..	2.72	1.00	6.86	3.15	2.84	1.55	3.25	7.00	0.25	6.36	6.82	1.70	43.50
1878..	5.27	4.78	3.38	6.19	0.39	3.92	2.59	4.81	1.61	4.84	5.50	4.77	48.05
1879..	2.21	2.86	3.17	4.07	2.08	4.70	4.83	5.94	1.92	1.23	3.06	3.62	39.69
1880..	4.89	3.21	3.23	2.23	1.77	3.38	5.56	2.51	1.45	2.49	1.98	2.68	35.38
1881..	7.20	6.33	7.78	3.12	......	......	......	......	......	......	......	......	.....
1882..	......	......	.....	......	......	......	......	......	......	......	......	......	.....
1883..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1884..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1885..	4.55	3.77	1.87	3.91	4.10	3.57	2.43	6.43	1.72	4.67	5.34	2.76	45.12
1886..	6.03	6.19	3.03	1.59	3.66	1.95	3.58	2.80	4.06	2.40	4.92	4.02	44.23
1887..	5.75	4.77	4.46	0.84	1.72	2.22	3.68	10.23	3.26	2.93	3.25	4.06	47.17
1888..	4.44	4.04	4.94	3.44	4.24	2.49	2.82	4.24	7.74	5.92	6.16	4.77	55.24
1889..	5.21	1.65	2.03	4.12	4.33	3.43	7.04	3.00	3.32	4.21	6.48	3.22	48.04
1890..	2.47	3.50	6.51	1.80	5.54	3.71	2.62	5.03	4.13	8.68	1.63	4.96	50.58
1891..	6.11	4.55	5.10	3.28	2.48	3.30	3.20	2.01	1.47	2.96	2.29	3.23	39.98
1892..	4.45	2.18	2.74	0.60	5.83	3.86	1.22	3.47	2.37	1.40	5.74	1.04	34.90
1893..	2.01	5.24	2.19	2.84	5.55	2.74	3.48	4.65	1.81	3.76	1.82	5.84	41.96
1894..	3.00	3.10	1.14	2.02	4 00	0.54	4.25	0.83	2.80	3.79	2.73	3.15	31.35
1895..	2.26	0.99	2.32	4.94	1.55	2.94	3.21	2.49	1.98	6.10	6.86	2.41	38.05
1896..	1.61	5.57	5.36	1.09	2.43	1.49	3.32	2.69	6.92	2.65	2.81	1.74	37.68
1897..	4.22	2.66	3.75	2.06	4.84	5.38	3.02	3.29	2.48	0.30	6.05	3.72	41.77
1898..	4.71	4.92	1.41	4.93	3.52	2.68	2.74	7.56	2.67	7.08	4.63	2.58	49.43
1899..	3.88	2.64	6.41	1.95	1.62	2.40	4.46	2.04	3.98	1.99	1.99	1.51	34.87
1900..	5.10	8.17	5.53	1.79	3.90	2.52	2.08	3.54	3.39	2.73	4.42	2.41	45.58
1901..	1.50	0.25	4.98	7.95	6.42	1.46	4.15	2.28	2.63	2.63	2.60	8.68	45.53
1902..	2.24	3.06	6.66	5.39	2.41	2.50	5.09	4.77	3.77	4.29	0.78	5.92	46.88
1903..	3.31	3.62	5.39	3.42	0.64	7.53	2.95	3.09	1.24	2.93	1.33	2.64	38.09
1904..	3.91	2.66	2.63	7.22	2.55	3.79	3.18	2.88	5.60	1.09	1.35	1.97	38.83
1905..	4.48	1.46	2.98	2.05	1.20	5.96	1.27	2.81	6.61	1.01	2.11	3.38	35.32
1906..	2.57	2.27	5.77	2.97	4.79	4.33	4.91	1.66	1.44	2.11	2.68	4.00	39.79
1907..	2.37	1.77	1.97	2.80	2.10	2.26	4.64	0.66	5.56	4.10	5.46	3.56	37.25
1908..	2.67	4.41	2.35	1.57	3.23	0.67	6.33	4.46	0.52	2.53	1.04	3.07	32.85
M'ns	3.68	3.17	3.97	3.45	3.54	3.26	3.79	4.03	3.28	3.56	3.66	3.37	42.96

NANTUCKET, NANTUCKET CO., MASS.—Elevation, 15 feet.

1847..	0.90	......	3.00	0.45	1.25	4.77	2.31	1.55	4.41	0.91	3.91	6.15	.....
1848..	2.58	3.74	1.60	0.45	4.43	1.67	1.70	0.72	3.79	6.54	3.25	4.13	34.60
1849..	0.08	0.50	2.67	1.36	2.03	2.69	2.74	0.21	1.55	6.87	3.60	2.78	27.08
1850..	6.69	2.99	8.87	2.85	5.17	2.42	1.01	2.27	2.57	1.96	1.79	4.26	42.85
1851..	1.58	3.70	2.00	4.64	6.22	2.05	2.12	2.67	2.42	6.15	3.90	4.37	41.82
1852..	5.59	0.75	0.83	7.52	3.17	1.08	1.78	4.46	2.93	2.06	2.89	6 71	39.77
1853..	2.38	5.75	3.94	4.25	3.78	5.01	1.72	3.85	0.94	2.64	4.77	2.97	42.00
1854..	2.10	4.89	1.16	5.95	2.48	2.02	4.83	2.19	7.80	3.11	5.84	5.06	47.43
1855..	4.50	3.04	3.84	8.49	5.87	4.77	2.16	1.51	1.21	4.13	3.11	6.30	48.93
1856..	3.75	2.03	1.35	3.00	2.90	5.39	1.47	1.16	5.20	2.03	3.61	3.81	35.70
1857..	6.75	2.21	3.97	5.96	4.87	2.90	3.07	7.03	2.51	3.25	2.22	5.14	49.88
1858..	4.41	1.63	2.80	4.33	2.43	1.98	4.56	4.26	2.46	3.58	3.71	5.78	41.93
1859..	7.96	4.27	4.63	3.01	4.15	5.68	2.77	3.45	3.30	3.16	1.37	4.60	48.35
1860..	......	......	.....	......	......	......	......	......	......	......	......	......	.....
1861..	5.57	2.04	4.80	.....	......	.....	......	.....	......	......	......	......	.....
1862 } 1885 }	......	......	.....	......	......	......	.....	......	......	......	......	......	.....
1886..	......	......	......	......	......	......	......	......	......	......	2.25	4.93	.....
1887..	2.97	3.97	2.84	6.23	1.75	2.12	2.10	4.35	1.99	1.81	2.54	4.60	37.27
1888..	3.48	1.50	3.14	1.43	7.87	1.51	3.68	0.87	7.30	4.99	6.49	3.45	45.71
1889..	5.03	4.23	5.46	4.02	2.26	3.45	2.92	11.05	3.12	6.58	7.80	2.07	57.99
1890..	3.52	2.72	6.07	1.17	2.48	3.49	2.90	2.81	8.33	6.72	0.89	2.70	43.80
1891..	4.51	3.30	1.86	1.47	2.05	2.83	3.16	3.41	3.12	4.96	1.02	3.14	34.83
1892..	2.23	1.46	5.88	2.76	2.57	1.81	0.91	1.79	2.01	1.66	7.63	1.67	32.38
1893..	2.06	3.90	4.35	4.73	2.68	2.26	1.45	4.40	2.24	2.17	1.31	4.21	35.76
1894..	3.14	3.11	1.89	2.24	1.88	0.81	0.29	1.20	1.90	10.05	2.80	5.83	35.14
1895..	3.91	1.56	4.41	2.52	4.92	1.29	4.06	4.46	1.69	1.91	4.86	2.73	38.32
1896..	1.57	2.67	5.97	0.62	2.35	2.43	4.12	1.38	2.06	5.03	2.29	2.68	33.17
1897..	2.59	2.69	3.05	4.47	2.30	1.64	5.32	2.66	1.31	1.63	3.90	3.17	33.73
1898..	2.76	1.87	2.56	2.97	3.53	0.63	2.93	2.20	0.83	3.69	5.15	2.22	31.34
1899..	2.74	4.53	5.66	1.52	0.77	2.08	1.99	2.08	1.88	3.06	1.54	1.08	28.93
1900..	3.20	4.86	2.95	2.61	1.65	1.50	1.89	1.56	2.59	2.57	3.96	1.88	31.22
1901..	3.03	1.33	4.74	3.71	4.92	1.43	1.16	2.60	2.11	0.44	0.89	6 52	32.88
1902..	2.75	2.87	4.55	2.23	0.74	6.34	1.76	0.27	2.35	4.25	1.96	5.90	35.97
1903..	3.02	3.32	3.53	3.04	0.93	1.10	1.81	2.09	1.37	3.33	3.82	2.97	30.33
1904..	5.98	3.86	2.11	4.08	2.39	2.38	2.09	2.25	0.78	1.01	3.29	4.67	34.89
1905..	5.70	2.16	3.12	1.57	2.62	6.50	4.02	4.93	4.07	2.06	2.82	3.73	43.30
1906..	4.93	3.94	7.41	2.17	2.36	1.21	4.50	6.93	2.72	2.33	1.84	4.58	44.92
1907..	5.33	3.12	4.62	2.90	4.23	2.17	3.32	1.76	4.35	1.99	6.69	5.49	45.97
1908..	3.78	3.71	2.74	3.55	1.27	1.66	1.00	4.28	2.98	4.97	0.95	4.89	35.78
M'ns	3.70	2.98	3.73	3.26	3.06	2.66	2.53	2.99	2.92	3.53	3.35	4.10	38.81

NEW BEDFORD, BRISTOL CO., MASS.—Elevation, 88 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1814..	1.42	8.30	2.16	5.46	4.23	2.27	0.99	6.44	3.06	1.73	5.37	1.65	43.08
1815..	4.55	3.32	5.02	4.66	4.11	2.22	1.96	4.36	2.51	1.47	3.45	3.15	40.78
1816..	2.12	6.82	2.47	5.50	6.15	2.33	1.01	1.46	6.05	3.96	5.56	0.70	44.13
1817..	3.96	5.26	1.77	2.60	1.19	7.00	0.88	3.21	4.09	1.19	6.64	5.54	43.33
1818..	3.31	0.91	3.31	3.94	6.79	3.51	3.32	1.66	5.52	2.84	3.35	2.31	40.77
1819..	1.25	2.54	7.30	3.31	2.06	3.32	1.57	6.00	4.81	3.84	1.92	1.74	39.66
1820..	1.46	5.02	4.44	1.23	5.41	0.46	3.71	4.38	2.01	6.22	3.75	3.23	41.32
1821..	2.32	5.96	2.52	6.09	5.42	3.78	2.41	2.23	4.11	4.96	2.94	2.90	45.64
1822..	3.29	3.70	3.31	4.76	0.58	2.58	5.14	3.51	6.05	2.97	3.62	2.27	41.78
1823..	4.84	5.00	8.43	1.83	7.67	3.20	4.63	3.90	2.08	5.06	3.51	9.74	59.89
1824..	3.84	5.32	3.61	5.74	2.68	3.14	2.44	6.21	4.88	2.55	3.54	3.39	47.34
1825..	2.80	2.21	6.06	1.42	2.11	3.71	2.06	3.52	1.68	2.78	1.81	7.93	38.09
1826..	2.19	3.85	4.08	2.92	0.73	2.11	2.44	18.72	1.44	7.47	4.50	4.32	54.77
1827..	3.14	3.99	4.88	3.46	6.94	4.42	4.36	7.63	5.65	6.68	8.42	3.33	62.90
1828..	3.02	3.25	4.31	3.48	3.91	4.04	3.02	1.15	3.63	3.62	5.16	0.45	39.04
1829..	9.06	5.76	7.03	4.79	8.59	2.92	3.40	7.53	3.49	3.53	7.18	2.13	65.41
1830..	4.20	3.67	4.77	2.25	6.63	3.71	12.00	6.22	5.20	3.54	6.18	6.89	64.66
1831..	7.47	3.53	5.24	7.38	4.45	3.52	7.26	3.32	5.86	6.04	3.68	3.43	61.18
1832..	3.98	5.36	3.02	3.41	6.55	0.41	1.69	8.30	3.00	2.64	4.43	6.52	49.31
1833..	3.91	2.37	1.92	2.31	4.14	4.25	1.38	2.57	1.88	5.70	5.51	6.68	42.62
1834..	2.76	1.61	1.95	2.01	4.74	7.30	3.42	1.81	5.63	5.25	4.23	3.48	45.12
1835..	3.35	1.80	6.52	6.84	2.65	2.52	1.56	10.16	0.93	2.99	2.97	4.95	47.21
1836..	9.53	4.62	3.78	2.78	1.76	4.93	1.90	1.12	1.28	2.58	4.53	4.02	42.83
1837..	3.69	3.75	4.47	3.33	6.47	4.41	2.15	4.37	0.54	1.31	1.50	3.05	39.07
1838..	3.00	2.41	2.90	2.15	3.02	2.84	1.55	2.99	6.71	5.38	4.36	0.97	38.28
1839..	0.77	2.71	2.44	4.83	4.96	2.51	2.76	5.89	3.38	5.86	2.01	6.26	44.38
1840..	3.25	2.68	3.99	4.56	5.82	3.69	2.14	2.88	3.07	6.93	7.52	3.06	49.59
1841..	5.57	1.75	4.06	9.27	1.66	1.44	3.05	5.05	2.90	4.70	5.30	5.85	50.60
1842..	2.47	4.31	2.89	3.77	3.17	7.40	1.31	1.97	2.00	0.86	3.06	5.79	39.06
1843..	3.91	4.18	4.02	6.19	1.39	1.45	3.31	7.13	1.77	6.86	5.09	5.31	50.67
1844..	4.19	2.18	6.65	1.79	2.60	0.90	3.08	2.49	4.15	4.56	4.01	4.13	40.73
1845..	4.16	3.00	3.04	1.87	3.79	2.31	3.49	3.37	4.19	4.20	9.72	4.00	48.06
1846..	3.09	2.57	1.74	1.20	6.40	0.99	2.61	3.07	2.48	1.68	3.80	4.88	34.51
1847..	3.53	4.57	3.25	1.66	2.64	6.46	2.41	7.15	7.20	0.62	1.52	5.10	45.91
1848..	3.75	4.22	2.89	1.46	3.88	2.99	4.04	1.16	1.89	5.43	3.30	5.73	40.74
1849..	0.88	2.07	5.70	2.23	2.43	1.59	1.22	4.88	1.21	5.71	5.15	3.32	36.42
1850..	5.87	2.22	6.05	9.25	4.49	1.23	2.26	6.29	12.06	2.62	2.82	7.51	62.67
1851..	2.24	6.20	3.27	4.84	4.78	1.18	9.22	3.49	3.75	5.37	4.76	2.51	51.61
1852..	3.91	3.57	5.50	7.86	3.50	1.71	2.55	5.49	2.01	2.03	3.66	4.35	46.14
1853..	1.69	4.67	1.28	3.02	4.36	0.92	3.95	2.95	3.84	3.52	3.92	4.45	39.47
1854..	1.99	5.67	2.15	6.83	3.56	3.02	7.44	0.24	8.37	1.48	9.66	3.40	53.81
1855..	4.72	2.62	1.95	4.24	3.64	1.84	4.79	1.42	0.62	4.66	4.82	5.68	41.00
1856..	5.18	1.27	1.64	3.20	3.96	2.12	3.32	2.81	4.56	1.89	3.26	3.88	37.09
1857..	6.20	1.84	2.52	5.90	3.69	2.30	4.62	3.91	2.32	2.64	1.84	5.49	43.30
1858..	2.46	1.28	2.28	4.39	2.02	5.16	6.75	5.05	3.02	3.20	3.84	4.58	41.03
1859..	8.53	4.40	6.64	3.44	5.14	6.16	0.96	4.02	3.64	2.07	2.10	4.34	51.44
1860..	1.37	3.50	2.82	2.86	2.80	3.26	2.96	5.00	5.24	1.82	3.44	4.65	39.72
1861..	4.19	3.25	4.06	5.41	4.42	3.12	1.70	5.00	3.50	4.30	4.58	2.90	46.46
1862..	3.27	3.88	2.80	1.66	2.86	8.05	3.06	1.20	3.98	5.62	4.47	2.46	43.31
1863..	2.75	4.16	4.26	4.31	3.52	2.49	4.26	2.51	2.50	1.90	7.03	5.37	45.09
1864..	4.35	1.51	5.52	3.10	2.93	1.08	1.50	7.68	2.28	2.35	4.18	4.48	40.96
1865..	5.51	3.92	4.90	3.24	6.36	1.66	5.15	1.21	0.26	4.93	4.47	4.40	46.01
1866..	2.30	4.54	3.70	2.06	4.15	4.18	1.86	3.60	5.32	2.61	2.65	3.31	40.30
1867..	2.84	5.08	5.58	3.18	3.85	2.36	6.03	5.70	2.44	3.96	1.99	4.10	47.11
1868..	6.17	2.43	4.61	5.96	9.42	6.51	3.78	4.50	5.91	1.68	2.98	2.34	56.32
1869..	3.97	5.34	6.22	1.42	5.92	4.45	1.62	2.76	2.62	6.75	2.30	6.56	49.93
1870..	6.20	4.55	3.46	6.20	3.50	3.62	3.05	1.69	1.28	6.64	3.28	3.70	47.16
1871..	3.26	3.28	4.86	3.93	2.68	5.39	1.92	6.35	2.24	6.38	6.98	2.34	49.60
1872..	2.64	2.42	5.33	2.27	3.51	2.68	6.40	4.04	4.58	5.79	3.58	4.42	47.66
1873..	7.24	4.93	2.89	3.98	4.95	1.44	1.22	4.16	3.17	5.34	6.32	6.06	51.69
1874..	4.27	4.27	1.59	8.57	5.11	3.70	3.84	7.66	2.94	0.55	3.49	3.34	49.33
1875..	3.78	3.67	7.86	4.04	4.20	4.98	4.00	4.60	2.38	3.02	4.85	0.94	48.33
1876..	1.02	4.85	5.54	3.85	1.68	0.73	3.86	1.23	4.40	1.52	8.42	5.09	42.18
1877..	3.06	1.70	9.42	3.13	2.92	2.36	4.93	3.39	0.83	7.66	6.60	0.95	47.03
1878..	5.97	4.05	4.77	4.91	2.91	2.97	2.36	5.38	1.04	5.93	5.74	4.49	50.55
1879..	3.42	3.00	5.56	5.12	1.83	2.78	3.59	4.37	3.18	1.19	3.55	4.72	42.31
1880..	2.06	2.97	4.85	3.49	1.37	1.96	6.59	5.62	1.68	3.11	2.41	3.92	40.07
1881..	4.14	5.83	4.74	1.79	2.39	5.14	1.65	0.79	3.29	1.52	5.78	2.04	39.10
1882..	4.14	6.23	2.48	4.06	4.74	1.70	1.52	0.89	6.26	4.00	1.91	3.45	41.38
1883..	4.73	4.67	2.08	2.93	3.60	1.46	6.92	0.85	2.74	6.36	3.28	3.89	43.51
1884..	4.85	5.72	5.29	5.17	3.33	5.38	4.80	8.40	0.98	1.63	3.55	5.80	54.99
1885..	5.20	2.76	1.49	2.66	3.15	4.06	1.17	4.23	1.85	4.04	3.16	3.04	36.81
1886..	6.77	7.05	5.09	2.19	4.39	1.99	2.69	2.76	2.15	4.23	3.76	6.78	49.85
1887..	6.02	6.25	5.83	5.45	2.24	3.15	3.61	6.68	1.71	3.95	2.60	4.28	51.77
1888..	4.38	2.63	5.66	2.42	5.57	1.45	5.17	4.89	9.52	2.66	7.39	3.33	55.07
1889..	5.79	2.92	2.83	4.31	5.14	3.83	5.44	5.73	3.87	4.11	6.07	2.67	52.71
1890..	2.66	2.36	9.77	4.09	6.73	5.90	1.91	3.82	7.55	10.09	1.32	5.49	61.69
1891..	8.36	7.00	5.81	2.78	2.44	1.55	1.97	2.09	2.31	6.97	3.17	3.38	47.83
1892..	4.48	2.34	5.78	2.31	5.46	2.23	1.72	4.58	3.65	1.86	6.78	1.64	42.83
1893..	2.70	6.90	6.18	5.13	4.49	3.00	2.40	4.26	3.38	2.45	2.63	6.75	50.27
1894..	4.85	5.18	1.84	4.99	4.46	0.90	0.74	2.18	2.83	7.64	4.55	5.73	45.89
1895..	4.04	1.17	4.72	4.22	3.39	3.01	4.91	3.02	1.50	4.29	4.52	2.84	41.63
1896..	2.03	4.43	5.97	1.24	3.91	4.98	2.90	3.79	8.87	3.40	2.60	3.61	47.73
1897..	3.97	2.53	2.79	4.30	6.07	2.48	3.85	8.57	0.88	1.42	9.74	4.36	50.96
1898..	5.78	5.28	3.50	5.29	6.82	0.94	6.04	7.68	1.28	9.83	7.98	2.18	62.60
1899..	5.30	5.31	7.35	2.08	1.21	3.72	3.97	2.29	6.50	3.51	1.11	1.99	44.34
1900..	5.24	4.62	3.73	2.66	5.31	1.12	2.57	1.63	4.19	6.58	4.65	2.09	44.99
1901..	2.66	1.26	7.85	7.08	8.57	1.79	3.22	2.24	3.31	2.12	1.69	10.05	51.84
1902..	2.38	5.78	6.91	3.72	1.36	2.48	3.21	2.09	3.92	6.19	1.85	5.53	45.42
1903..	4.77	4.52	8.02	5.77	0.81	4.13	2.22	4.47	1.71	4.15	3.57	3.35	47.49
1904..	4.99	4.65	2.38	8.84	3.55	5.46	2.22	6.15	2.92	1.36	2.29	5.27	50.08
1905..	3.73	2.10	2.88	1.61	1.65	6.77	2.29	4.63	6.36	1.96	3.02	4.30	41.30
1906..	3.66	4.21	5.73	2.51	3.51	3.32	4.72	2.26	5.14	3.11	3.16	1.76	43.09
1907..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1908..	......	......	......	......	......	......	......	......	......	......	......	......	.....
M'ns	3.97	3.83	4.37	3.98	4.00	3.17	3.21	4.21	3.56	3.93	4.24	4.11	46.58

WORCESTER, WORCESTER CO., MASS.—Elevation, 514 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1841..	7.28	2.33	5.45	7.14	3.46	0.92	2.93	2.97	4.27	3.82	5.77	4.77	51.11
1842..	1.35	4.13	2.24	2.82	3.24	4.93	1.96	7.12	3.50	0.83	3.36	5.30	40.78
1843..	5.05	4.45	5.23	3.13	1.73	4.15	3.39	9.19	1.25	5.19	3.63	2.28	48.67
1844..	3.14	1.44	3.80	0.35	3.67	1.92	3.50	3.39	3.68	7.34	3.06	2.05	37.34
1845..	4.17	2.61	3.29	1.61	3.23	3.14	2.91	2.36	2.57	4.44	6.77	5.39	42.49
1846..	2.92	2.50	3.33	1.34	5.85	2.37	3.81	2.44	0.90	2.19	4.08	2.87	34.60
1847..	4.66	4.08	3.89	1.67	1.63	5.29	4.86	4.20	7.17	2.87	3.75	4.93	49.00
1848..	3.08	1.61	3.89	1.52	6.82	1.31	3.13	3.19	2.36	5.75	1.94	3.93	38.53
1849..	0.98	1.30	6.30	1.95	3.56	1.25	1.60	4.28	2.49	6.45	4.11	3.12	37.39
1850..	4.79	3.23	3.67	5.53	7.50	3.35	3.75	6.05	7.92	3.37	2.14	4.19	55.49
1851..	2.07	4.01	1.40	6.76	4.73	3.16	2.17	1.97	2.50	7.04	5.68	2.30	43.79
1852..	5.44	2.46	3.42	10.77	3.50	3.53	3.42	11.38	3.36	3.89	5.88	4.78	61.83
1853..	3.02	8.09	3.60	4.92	4.45	1.01	3.29	10.71	5.26	6.20	5.30	3.79	59.64
1854..	2.82	6.62	3.45	6.69	6.78	3.05	5.68	0.35	5.53	5.03	9.82	3.43	59.25
1855..	8.11	4.48	0.23	5.39	1.64	4.19	9.40	4.06	0.20	8.17	5.85	6.90	58.62
1856..	4.60	1.35	1.69	3.34	6.55	1.44	2.68	13.14	......	2.65	2.03	4.08	.....
1857..	4.48	2.24	2.80	8.87	4.56	3.44	3.80	5.75	4.92	3.93	3.12	5.33	53.24
1858..	2.13	1.10	2.29	3.37	4.13	5.16	4.18	4.00	5.70	3.09	1.69	4.09	40.93
1859..	4.95	3.67	7.71	2.90	3.65	5.17	1.26	5.45	4.00	2.46	3.00	4.55	48.77
1860..	1.34	2.77	2.26	1.36	2.66	6.65	7.91	5.76	6.02	2.47	4.38	5.05	48.63
1861..	4.33	1.65	2.85	5.71	3.52	2.46	5.29	3.99	3.11	3.38	3.93	2.11	42.31
1862..	4.17	1.44	3.51	2.34	1.87	7.44	6.10	2.64	2.14	3.22	5.35	3.57	44.09
1863..	......	3.42	5.78	5.28	1.76	1.18	8.87	......	......	......	......	......	.....
1864..	......	......	......	......	......	......	1.68	3.11	2.93	4.29	4.81	3.67	.....
1865..	3.92	3.26	4.72	2.57	5.43	1.72	3.37	3.39	0.68	4.41	2.36	2.75	38.52
1866..	2.56	5.27	3.18	2.09	5.33	3.40	3.78	3.32	4.77	2.37	2.51	3.73	42.31
1867..	5.16	4.42	4.40	2.56	4.91	3.32	3.36	10.79	1.97	3.79	2.19	2.07	48.94
1868..	3.27	1.53	2.82	5.69	8.54	3.08	1.08	3.57	8.60	1.14	4.24	1.95	45.81
1869..	2.82	5.49	4.83	2.52	5.77	3.08	1.40	2.21	4.74	9.81	2.43	5.25	50.35
1870..	6.34	3.64	2.44	6.03	2.40	2.09	2.39	2.74	1.40	5.89	3.48	4.10	42.34
1871..	4.53	4.36	4.68	3.68	3.70	5.39	3.70	3.94	0.90	5.31	4.57	1.15	45.91
1872..	......	1.85	2.89	1.42	1.61	......	......	......	......	......	......	......	.....
1873–5	......	......	......	......	......	......	......	......	......	......	......	......	.....
1876..	2.10	4.09	7.38	4.01	2.78	1.65	8.02	1.57	3.76	2.02	4.61	4.77	46.76
1877..	3.93	1.04	9.03	3.23	2.93	2.60	3.32	4.79	0.58	8.36	6.00	1.06	46.87
1878..	5.65	5.51	4.52	6.88	1.11	......	......	......	......	......	......	......	.....
1879..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1880..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1881..	......	......	......	......	4.10	4.62	3.06	1.79	3.00	3.15	3.05	6.05	.....
1882..	1.52	4.55	3.32	0.51	5.77	2.10	1.32	1.40	10.01	3.15	1.23	2.90	37.78
1883..	3.52	4.87	1.91	1.47	5.38	2.30	2.71	0.51	1.54	4.32	1.49	2.48	32.50
1884..	5.04	6.24	2.37	4.20	2.50	4.06	4.07	3.72	0.82	2.34	2.27	5.57	43.20
1885..	5.01	3.49	0.90	2.83	3.26	3.49	2.10	6.52	0.87	4.81	5.96	3.09	42.33
1886..	6.52	6.32	3.57	2.26	3.04	2.15	3.93	3.81	3.53	2.75	5.19	4.24	47.31
1887..	5.21	4.89	4.98	2.84	3.92	......	......	......	1.34	2.40	2.82	3.96	.....
1888..	4.03	3.21	8.37	3.23	5.46	2.92	1.66	5.40	7.56	8.17	6.72	4.98	61.71
1889..	5.64	1.83	2.52	4.02	3.78	2.40	8.23	3.51	3.45	3.54	5.07	3.26	48.15
1890..	3.08	4.04	8.47	2.56	5.59	2.89	3.40	6.76	5.52	9.24	1.72	4.45	57.72
1891..	9.03	4.60	5.09	4.44	4.25	5.88	5.75	2.88	2.25	2.50	5.38	......	.....
1892..	......	......	......	......	6.34	2.22	4.70	5.51	1.74	0.36	2.73	0.90	.....
1893..	2.68	6.91	3.90	3.56	6.95	2.54	1.38	3.27	1.98	4.68	2.28	4.65	44.78
1894..	2.98	2.84	1.41	3.60	4.63	0.73	3.75	1.47	3.16	3.96	2.84	3.02	34.39
1895..	2.12	1.14	2.67	4.27	2.46	3.44	4.10	5.19	2.39	8.02	8.69	4.03	48.52
1896..	1.93	5.69	6.90	1.23	2.78	2.75	3.54	2.56	7.45	3.90	3.02	2.25	44.00
1897..	3.26	2.95	4.09	2.65	4.52	4.13	7.25	3.21	1.85	1.05	6.92	6.04	47.92
1898..	4.28	4.78	2.37	4.19	......	......	3.20	9.69	3.05	5.95	8.36	3.04	.....
1899..	3.83	......	7.29	2.13	1.25	3.89	3.57	.....	4.20	1.34	2.60	1.69	.....
1900..	3.13	7.45	6.27	2.56	3.47	3.98	3.49	2.76	2.21	......	......	2.50	.....
1901..	1.49	0.67	5.33	6.81	5.53	0.93	4.39	3.31	2.04	3.35	2.15	7.41	44.25
1902..	1.97	2.62	3.75	2.59	1.64	2.08	4.29	3.58	2.65	5.00	0.66	5.03	35.86
1903..	2.75	2.87	5.15	2.28	0.88	7.44	3.01	3.31	1.14	3.21	1.89	2.30	36.23
1904..	3.16	1.68	2.34	5.95	2.06	2.78	3.13	3.80	3.65	0.96	0.81	2.20	32.52
1905..	3.73	1.27	2.65	2.46	1.07	4.73	2.44	2.15	6.16	1.47	2.16	2.86	33.15
1906..	2.05	2.05	4.50	2.22	5.44	3.69	6.14	2.14	2.48	3.30	1.86	3.16	39.42
1907..	2.69	1.61	1.37	2.39	2.72	2.73	2.37	1.28	9.46	4.79	4.57	4.16	40.14
1908.	2.19	3.38	3.19	1.56	4.83	1.12	4.36	7.03	1.24	1.73	0.93	2.62	34.18
M'ns	3.76	3.44	3.96	3.57	3.92	3.19	3.82	4.32	3.51	4.08	3.85	3.70	45.12

PROVINCETOWN, BARNSTABLE CO., MASS.—Elevation, 40 feet.

1882..	......	......	4.55	4.70	5.96	2.73	1.43	0.78	6.39	4.49	3.69	5.57	.....
1883..	4.76	5.00	2.16	3.09	3.45	1.39	4.33	0.71	1.87	7.45	3.58	2.60	40.39
1884..	6.58	7.34	6.77	8.31	......	......	......	......	......	......	......	......	.....
1885..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1886..	......	......	......	......	3.89	1.24	0.72	......	......	......	......	......	.....
1887..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1888..	4.29	2.74	3.61	1.86	3.94	1.60	2.12	3.62	6.96	3.98	4.45	3.08	42.25
1889..	3.52	4.04	2.32	3.70	4.10	1.82	4.30	6.86	2.20	4.95	4.71	2.90	45.42
1890..	......	2.92	6.96	3.14	2.99	3.46	1.76	2.81	7.62	6.78	......	3.48	.....
1891..	6.71	4.54	3.69	3.28	1.69	2.14	2.71	3.93	2.77	5.82	1.52	3.15	41.95
1892..	3.42	1.88	4.48	1.37	3.64	2.07	1.30	3.70	2.21	2.36	5.77	1.68	33.88
1893..	1.63	5.37	4.79	3.27	3.08	5.50	1.71	4.37	3.03	1.59	2.47	5.58	42.39
1894..	3.98	2.67	1.28	3.22	3.51	0.70	0.46	1.44	1.90	5.69	3.17	4.88	32.90
1895..	3.08	1.07	3.90	3.08	3.47	......	......	......	......	......	......	......	.....
1896–7	......	......	......	......	......	......	......	......	......	......	......	......	.....
1898..	3.60	4.53	2.12	......	3.12	0.81	6.26	5.84	0.93	......	......	......	.....
1899..	......	......	4.31	0.57	1.06	4.41	4.23	0.10	4.85	......	......	0.93	.....
1900..	3.74	3.58	3.17	1.92	......	......	1.72	2.03	3.24	4.02	3.87	1.53	.....
1901..	3.24	0.67	5.40	5.34	10.49	1.79	3.82	2.37	3.35	1.24	2.41	7.62	47.74
1902..	2.46	3.62	6.35	2.58	1.28	4.05	2.04	0.67	1.73	3.88	1.96	6.53	37.15
1903..	4.15	3.48	6.41	4.40	0.56	3.52	2.48	3.64	1.62	5.47	4.39	3.22	43.34
1904..	4.62	4.48	1.52	5.56	2.50	1.65	3.02	2.23	2.25	1.99	3.10	2.94	35.86
1905..	5.31	1.19	2.45	1.79	1.04	2.26	1.79	2.77	4.78	1.50	3.07	3.29	31.24
1906..	3.77	3.86	6.80	1.56	4.46	3.26	3.42	1.92	2.14	3.04	2.78	3.02	40.03
1907..	4.20	2.99	1.55	2.44	3.81	1.75	1.24	1.59	7.63	3.31	5.11	4.72	40.34
1908..	3.09	4.55	4.53	2.12	2.60	1.92	1.75	3.41	1.21	7.47	1.65	2.83	37.13
M'ns	4.01	3.53	4.05	3.20	3.36	2.40	2.51	2.74	3.43	4.17	3.39	3.66	40.25

GROTON, MIDDLESEX CO., MASS.—Elevation, 333 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1885..	......	......	......	......	......	......	2.88	5.45	1.37	4.77	5.26	1.65	.....
1886..	5.41	5.09	1.17	2.20	3.40	1.64	3.62	4.63	4.83	3.41	4.33	2.22	41.95
1887..	6.02	4.45	5.03	4.66	2.13	2.66	5.19	8.52	1.94	2.36	3.15	3.84	49.95
1888..	3.00	4.15	5.84	3.85	3.41	2.83	2.40	4.20	10.42	6.43	5.32	4.64	56.49
1889..	4.35	1.45	1.47	3.27	3.32	2.03	6.91	2.88	3.33	4.79	6.67	3.05	43.52
1890..	2.85	3.84	6.11	2.17	5.01	3.08	4.20	6.37	6.50	9.63	1.57	3.28	54.61
1891..	6.61	4.08	5.31	3.29	2.36	3.14	3.47	1.95	2.05	2.72	2.15	3.89	41.02
1892..	4.64	2.62	2.54	0.65	6.19	3.58	2.64	5.73	1.60	1.10	5.69	0.87	37.85
1893..	2.25	6.21	3.22	3.10	7.01	2.94	1.78	5.26	2.15	3.71	2.41	5.27	45.31
1894..	2.44	2.77	1.18	3.35	3.96	0.89	2.09	0.74	3.85	4.04	3.95	2.89	32.15
1895..	3.71	0.99	2.79	4.60	3.08	4.76	3.42	2.69	3.17	7.54	6.49	2.56	45.83
1896..	2.14	5.60	5.85	1.85	2.15	2.29	3.04	2.67	7.30	3.61	2.72	1.81	41.03
1897..	3.08	2.68	3.98	2.04	4.78	6.30	6.57	4.52	2.85	1.08	7.77	6.03	51.68
1898..	5.67	4.66	1.83	5.35	3.54	3.10	3.05	8.94	3.41	8.13	6.20	2.57	56.45
1899..	3.35	3.86	6.86	2.04	2.00	4.24	2.89	2.12	3.89	2.30	2.13	1.80	37.48
1900..	4.63	9.51	6.91	2.05	3.69	3.99	3.21	3.90	4.12	3.34	5.84	2.95	51.14
1901..	2.04	0.72	5.41	10.65	6.89	2.02	6.13	3.51	2.11	3.26	1.97	8.65	53.36
1902..	2.29	3.99	4.53	3.95	2.60	2.14	3.91	4.20	4.40	6.38	0.97	6.39	45.75
1903..	2.90	3.87	6.55	3.01	1.16	10.92	4.39	3.79	1.93	4.70	2.09	2.94	48.25
1904..	4.10	1.49	3.05	8.60	4.80	2.83	2.68	3.53	4.26	1.25	1.03	1.90	39.51
1905..	4.55	1.48	3.13	2.41	1.25	5.33	2.51	5.05	6.21	1.62	2.05	3.81	39.40
1906..	2.68	2.64	4.79	2.96	6.09	6.51	3.99	2.07	1.53	2.67	2.97	4.18	43.08
1907..	2.37	1.96	2.00	2.94	3.06	3.82	3.42	1.50	10.17	5.17	5.80	4.94	47.15
1908..	3.56	4.58	2.83	1.89	4.76	1.08	2.78	5.61	0.81	2.22	.... .	2.85	.....
M'ns	3.68	3.59	4.02	3.52	3.77	3.57	3.63	4.16	3.93	4.01	3.85	3.54	45.73

HYANNIS, BARNSTABLE CO., MASS.—Elevation, 31 feet.

1892..	4.16	2.14	6.14	2.27	5.36	1.50	1.24	2.08	2.06	2.07	8.33	2.63	39.98
1893..	2.47	5.82	5.90	4.86	4.05	5.59	3.08	5.39	3.01	1.47	2.26	6.56	50.46
1894..	5.77	3.81	1.61	5.05	3.74	0.43	0.62	1.48	2.94	6.01	3.91	5.44	40.81
1895..	3.08	1.39	4.23	1.73	3.63	1.05	2.85	3.89	1.19	2.77	4.42	3.75	33.98
1896..	2.48	3.34	6.08	0.84	2.83	3.23	4.35	4.20	5.38	6.02	3.87	3.00	45.62
1897..	2.71	2.23	3.01	5.57	2.89	1.97	4.44	4.37	1.05	1.74	7.96	3.52	41.46
1898..	4.81	4.27	3.74	5.78	6.41	1.22	3.85	4.46	0.84	6.62	8.41	2.59	53.00
1899..	3.66	5.87	8.33	1.55	0.91	5.10	3.52	1.88	2.58	2.39	1.22	1.27	38.28
1900..	5.55	4.74	3.01	3.43	2.76	1.12	1.22	1.36	3.47	4.31	5.10	2.58	38.65
1901..	3.14	1.20	6.86	5.70	9.64	1.27	3.40	2.18	4.23	0.86	2.20	8.48	49.16
1902..	2.12	4.17	6.61	2.68	1.13	5.11	1.98	0.54	3.04	5.89	2.68	6.51	42.46
1903..	4.18	4.48	7.25	3.72	0.96	3.25	2.28	4.10	1.85	5.77	6.11	3.17	47.12
1904..	5.12	3.43	2.46	6.25	4.29	5.03	4.78	4.19	1.44	2.23	2.42	4.33	45.97
1905..	4.42	2.01	3.26	1.33	1.75	5.78	1.94	4.14	5.63	1.87	3.18	4.00	39.31
1906..	4.80	4.08	8.45	2.28	4.47	2.20	6.07	1.07	2.91	1.91	1.78	3.78	43.80
1907..	4.07	2.54	2.66	3.49	5.13	1.68	0.62	1.61	4.96	1.92	5.88	5.19	39.75
1908..	3.82	3.03	3.30	2.04	2.87	1.71	3.43	4.82	1.20	8.86	2.02	4.29	41.39
M'ns	3.90	3.44	4.88	3.45	3.70	2.78	2.92	3.04	2.81	3.69	4.22	4.18	43.01

RHODE ISLAND.

BLOCK ISLAND, NEWPORT CO., R. I.—Elevation, 26 feet.

1880..	......	......	......	......	......	......	......	......	4.04	4.62	4.02	4.42	.....
1881..	2.16	4.74	5.08	1.91	5.51	12.93	1.61	4.30	3.78	5.29	6.47	5.66	59.44
1882..	8.57	9.73	5.39	4.83	5.51	2.86	3.62	1.48	5.96	3.87	2.26	3.57	57.65
1883..	3.95	4.09	2.47	3.49	2.89	1.54	3.53	1.74	2.60	7.38	3.16	2.85	39.69
1884..	6.43	7.31	6.40	4.10	6.39	2.59	6.52	6.41	0.62	3.89	5.93	6.56	63.15
1885..	5.30	3.68	0.81	2.65	4.14	1.90	0.86	3.15	1.60	5.81	4.79	4.68	39.37
1886..	7.04	8.89	5.42	3.26	4.14	2.15	1.68	2.47	2.90	4.71	5.16	6.70	54.52
1887..	6.98	7.02	4.49	3.49	0.51	2.75	7.52	3.13	2.00	2.28	1.68	2.70	44.55
1888..	2.12	1.14	2.80	1.35	3.54	0.62	1.03	1.32	5.49	2.37	4.17	1.23	27.18
1889..	2.16	1.57	2.30	2.10	3.21	2.84	2.92	3.37	3.41	3.11	4.86	0.95	32.80
1890..	2.33	1.50	5.16	3.37	3.83	1.35	1.39	2.09	2.69	4.57	0.66	2.57	31.51
1891..	4.25	3.97	2.42	2.81	2.14	1.83	3.38	3.51	1.69	7.33	2.89	2.81	39.03
1892..	4.19	1.35	4.93	2.79	4.27	1.43	2.45	5.71	3.77	2.12	8.31	1.74	43.06
1893..	2.65	6.06	5.73	5.45	4.92	1.61	0.97	5.41	2.58	2.75	2.16	4.55	44.84
1894..	3.16	4.43	2.15	3.89	3.36	0.51	0.22	1.53	2.03	6.15	4.81	5.22	37.46
1895..	4.12	1.13	4.76	6.15	4.08	1.80	8.57	4.27	1.46	4.62	5.81	2.44	49.21
1896..	2.02	4.85	5.14	1.73	3.95	3.27	3.51	2.08	7.76	5.26	2.47	2.55	44.59
1897..	3.93	2.83	3.06	5.70	4.31	3.06	5.08	3.41	3.95	1.83	9.42	5.61	52.19
1898..	5.42	5.20	3.89	5.66	6.54	0.92	7.87	7.69	0.96	7.18	7.55	3.22	62.10
1899..	5.18	4.96	8.54	2.13	2.09	2.48	4.49	1.79	4.92	2.23	1.04	1.46	41.31
1900..	3.86	4.48	3.92	2.63	3.43	1.24	2.27	2.85	2.26	3.50	4.66	2.47	37.57
1901..	1.95	0.83	5.60	6.53	5.93	2.56	1.24	3.82	4.07	3.44	2.62	8.67	47.26
1902..	1.67	6.15	6.33	3.29	1.04	5.35	2.31	1.42	3.96	4.70	1.77	7.64	45.63
1903..	4.42	4.61	8.03	5.61	0.86	4.82	1.90	4.33	1.15	2.66	2.77	2.45	43.61
1904..	2.54	3.12	1.59	5.31	2.40	3.67	2.14	6.80	1.29	1.86	2.11	2.93	35.76
1905..	2.46	1.39	2.19	2.10	2.35	5.16	2.59	4.83	4.79	1.37	2.28	4.03	35.54
1906..	3.03	4.39	5.71	2.03	5.03	1.90	3.88	1.84	2.08	2.69	2.46	3.51	38.55
1907..	3.37	2.20	2.80	2.69	4.95	1.81	1.74	1.28	4.84	2.19	6.35	5.68	39.90
1908..	2.80	3.53	3.28	2.64	4.76	2.02	2.34	3.34	0.77	5.17	1.20	4.62	36.45
M'ns	3.77	4.11	4.30	3.57	3.79	2.75	3.13	3.43	3.08	3.96	3.93	3.91	43.73

NARRAGANSETT PIER, NEWPORT CO., R. I.—Elevation, 22 feet.

1882..	......	......	......	3.53	2.90	2.54	1.68	0.82	5.77	4.22	1.99	3.24	.....
1883..	4.92	4.24	2.91	2.76	2.55	2.03	6.09	1.13	1.80	8.14	5.11	2.75	44.43
1884..	6.05	5.80	5.24	3.35	4.69	4.22	6.68	6.60	0.76	2.20	4.41	6.34	56.34
1885..	5.72	1.75	1.02	2.67	3.49	1.58	0.63	6.90	1.39	5.97	2.34	2.25	35.71
1886..	5.64	10.64	5.14	3.82	3.55	1.77	3.38	3.51	3.03	3.95	4.02	5.26	53.71
1887..	6.73	6.28	4.15	4.01	1.05	4.35	4.16	3.33	3.14	3.03	2.47	4.94	47.64
1888..	5.33	2.92	7.87	2.56	7.29	0.66	1.97	4.35	7.55	2.98	7.05	3.13	53.66
1889..	6.52	3.03	3.66	3.46	5.49	4.35	7.32	5.27	3.79	5.23	7.18	2.29	57.59
1890..	3.13	3.22	8.41	4.53	5.30	3.42	2.85	4.73	4.65	9.07	0.81	5.09	55.21
1891..	8.57	6.78	6.12	3.22	2.20	1.26	1.38	2.00	1.22	5.24	2.49	3.98	44.46
1892..	6.60	1.38	4.99	2.88	4.63	2.44	1.66	5.00	3.58	1.61	7.44	1.74	43.95

NARRAGANSETT PIER, R. I.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1893..	2.97	6.61	4.22	4.85	5.31	2.57	0.82	4.85	3.42	2.80	2.72	5.08	46.22
1894..	2.41	4.68	1.97	2.47	3.69	0.88	0.71	2.62	2.40	8.11	4.83	3.89	38.66
1895..	4.67	1.26	4.11	6.61	4.58	3.76	4.97	2.92	2.11	4.15	5.09	2.14	46.37
1896..	1.59	4.55	4.53	1.38	3.35	3.36	2.15	3.97	6.30	3.29	2.62	1.56	38.65
1897..	4.15	3.02	2.94	4.10	3.63	2.56	5.44	6.95	2.50	1.23	8.25	6.70	51.47
1898..	4.93	7.42	3.75	5.13	8.96	0.10	3.49	3.72	1.99	9.16	6.84	2.61	58.10
1899..	6.04	3.25	8.13	2.57	2.57	1.50	3.79	4.02	6.30	2.23	1.29	1.40	43.09
1900..	5.23	5.52	4.27	3.15	4.16	0.75	2.22	0.96	2.79	3.34	3.55	2.20	37.14
1901..	2.29	1.17	7.03	6.73	6.55	1.74	2.15	2.84	3.17	2.64	2.79	9.33	48.43
1902..	1.92	7.01	6.18	3.37	1.01	3.60	3.25	1.81	3.77	4.54	1.59	6.37	44.42
1903..	4.27	5.19	8.95	6.05	0.80	6.22	2.29	4.55	0.84	2.41	2.31	3.56	47.44
1904..	3.40	2.73	2.06	7.69	4.20	3.63	2.77	5.89	2.18	1.75	2.88	3.50	42.68
1905..	2.96	1.26	2.67	2.43	2.11	5.04	2.75	4.99	5.35	2.03	3.36	3.94	38.89
1906..	2.52	2.48	5.49	3.01	5.14	3.64	4.42	0.91	5.42	4.40	3.46	4.22	45.11
1907..	3.80	2.02	2.56	3.69	4.93	1.99	0.87	0.94	7.99	2.70	6.38	5.69	43.56
1908..	3.03	3.81	3.85	2.64	4.19	3.96	2.78	7.27	1.08	5.24	1.84	4.70	44.39
M'ns	4.40	4.15	4.70	3.80	4.00	2.74	3.06	3.81	3.49	4.14	3.89	4.00	46.18

PROVIDENCE, PROVIDENCE CO., R. I.—Elevation, 182 feet.

1832..	3.87	4.25	3.20	3.33	4.14	0.33	1.82	3.92	3.50	2.01	3.46	5.63	39.46
1833..	1.71	1.55	1.97	3.17	0.99	4.81	1.11	2.15	1.53	5.98	4.50	4.67	34.14
1834..	1.57	1.13	1.43	3.13	5.61	5.10	7.58	1.15	3.81	4.64	3.80	2.97	41.92
1835..	3.50	1.20	4.60	4.06	1.50	1.95	2.84	2.25	0.83	3.26	1.72	3.25	30.96
1836..	5.63	3.45	5.00	2.30	2.51	3.25	1.53	0.72	1.03	2.35	5.25	4.85	37.87
1837..	1.40	2.65	3.17	4.65	7.28	2.82	1.38	2.00	0.48	1.29	1.95	2.55	31.62
1838..	2.70	2.32	2.70	2.70	3.88	3.30	0.63	3.55	6.76	4.61	3.65	1.08	37.88
1839..	0.76	1.50	1.50	3.63	3.79	2.31	5.26	5.00	1.83	3.75	2.30	5.12	36.75
1840..	2.80	2.05	3.50	3.45	3.35	2.89	3.38	3.20	2.95	5.17	5.35	3.10	41.19
1841..	6.45	1.50	2.86	7.78	2.18	0.98	5.13	5.12	2.35	3.20	4.45	5.86	47.86
1842..	1.30	4.05	2.07	2.10	3.40	9.65	1.48	3.35	1.40	1.16	3.82	3.93	37.71
1843..	0.60	5.27	5.58	4.34	3.50	2.12	1.83	6.23	2.20	6.45	1.35	3.03	42.50
1844..	4.32	1.95	4.75	0.67	1.95	1.15	4.42	1.11	2.83	5.80	3.30	2.75	35.00
1845..	3.20	2.70	3.53	2.34	2.75	2.32	3.10	5.63	1.63	3.40	9.08	3.48	43.16
1846..	1.82	2.08	2.86	1.75	4.58	1.30	1.44	2.73	2.33	1.85	4.62	3.15	30.51
1847..	2.13	2.71	3.17	1.72	2.02	6.98	2.28	5.50	8.35	1.95	5.72	5.97	48.50
1848..	4.82	3.80	2.40	0.95	5.00	3.80	1.85	3.73	2.45	4.05	3.80	3.83	40.48
1849..	0.80	0.60	5.99	1.62	3.43	1.23	2.00	3.39	3.14	6.55	2.42	3.52	34.69
1850..	5.60	3.38	5.19	4.67	5.00	2.60	2.35	7.65	5.00	2.10	2.10	5.85	51.49
1851..	1.93	3.87	2.00	7.80	3.58	1.90	5.19	3.77	2.47	3.20	5.05	2.62	43.38
1852..	2.70	2.00	3.55	6.65	2.00	1.00	1.68	8.00	1.40	1.30	4.60	3.70	38.58
1853..	4.27	5.75	1.35	5.05	4.95	0.90	6.37	8.38	3.80	4.15	4.40	3.90	53.27
1854..	1.80	4.85	2.85	6.30	3.60	3.60	2.45	0.30	6.10	1.90	9.15	3.35	46.25
1855..	6.45	4.05	0.85	2.50	2.55	1.95	3.25	2.02	0.25	5.33	3.75	6.10	39.05
1856..	5.25	0.80	1.55	2.80	4.10	2.47	4.20	5.75	5.10	1.15	2.00	5.80	40.97
1857..	5.50	2.36	3.35	6.29	4.33	1.90	3.45	4.80	2.27	2.90	2.40	5.20	44.75
1858..	3.33	2.80	2.05	3.63	2.35	5.55	4.90	8.20	3.05	2.80	2.40	3.45	44.51
1859..	5.75	1.85	8.00	2.28	3.40	7.06	1.14	3.69	3.65	2.62	2.27	3.45	45.16
1860..	1.00	3.54	1.80	1.55	1.65	4.02	3.09	5.70	5.38	2.10	3.95	4.66	38.44
1861..	4.87	2.95	4.62	7.75	3.22	4.61	2.21	4.50	2.75	2.17	3.20	1.40	44.25
1862..	6.06	3.15	4.12	1.60	2.60	6.75	3.52	1.47	7.35	4.77	6.85	2.10	50.34
1863..	4.61	4.04	4.88	5.52	2.33	1.90	9.42	4.59	1.74	2.97	7.51	5.66	55.17
1864..	4.66	1.53	4.74	2.46	3.15	1.22	1.46	4.05	2.36	2.85	3.42	4.95	36.85
1865..	5.29	5.45	5.56	2.98	6.23	1.56	3.91	0.74	0.27	4.60	4.03	4.08	44.70
1866..	2.35	5.64	4.29	2.02	5.29	4.43	2.03	3.54	5.75	2.78	3.97	3.96	46.05
1867..	5.72	6.80	5.32	2.24	3.94	1.56	3.15	8.23	0.62	4.07	2.59	2.80	47.04
1868..	4.56	1.71	4.63	7.02	10.57	4.42	2.09	4.55	5.95	1.23	4.39	2.40	53.52
1869..	3.92	5.19	6.34	2.07	5.20	5.63	0.88	4.58	5.08	5.92	2.19	4.70	48.70
1870..	6.22	3.34	5.47	5.50	2.55	8.22	2.48	1.71	2.11	5.62	2.83	2.97	49.02
1871..	2.35	3.80	5.25	3.81	3.80	5.57	3.63	5.73	1.00	6.68	3.35	2.94	47.91
1872..	2.45	1.56	5.02	2.35	3.64	3.03	5.31	6.12	6.18	5.34	4.95	2.76	48.71
1873..	5.56	4.60	3.67	3.57	4.62	2.74	2.89	7.89	2.17	4.80	5.16	4.99	52.66
1874..	3.62	4.40	2.00	8.54	3.04	3.21	2.58	7.71	2.20	0.92	2.66	2.51	43.39
1875..	3.54	3.76	4.57	5.02	3.44	7.27	3.56	8.85	2.05	4.07	5.12	0.97	52.22
1876..	1.28	4.42	9.75	4.24	3.23	1.40	4.14	1.82	5.73	2.15	6.95	5.25	50.36
1877..	4.55	0.33	7.99	2.40	4.40	4.60	3.60	6.41	0.90	5.81	6.41	1.40	48.80
1878..	3.53	5.70	3.86	5.42	2.00	4.59	2.31	3.88	1.25	4.57	8.81	6.56	52.48
1879..	2.91	4.32	5.59	4.67	1.27	3.10	4.10	5.03	2.42	1.00	2.53	3.65	40.59
1880..	2.88	5.53	4.59	3.25	0.83	1.05	6.07	5.19	2.09	3.06	3.14	3.61	41.29
1881..	6.17	6.30	5.30	1.56	2.26	6.10	4.09	0.49	2.02	2.46	4.65	3.39	44.79
1882..	7.99	4.90	3.50	2.81	3.83	2.32	1.93	1.53	7.83	2.78	2.29	3.25	44.96
1883..	5.97	4.50	2.58	2.04	4.33	1.26	3.18	0.83	2.50	5.23	2.59	4.53	39.54
1884..	4.96	6.46	4.58	4.35	3.20	3.87	3.07	4.03	1.23	2.74	3.55	6.72	48.76
1885..	6.03	4.13	1.50	2.85	3.53	2.07	2.20	4.78	0.80	5.51	3.50	2.71	39.70
1886..	7.10	11.31	3.28	2.87	3.86	1.31	1.99	4.22	2.77	3.53	3.86	5.92	52.02
1887..	6.61	5.87	4.74	4.40	2.23	4.24	6.09	5.87	1.58	2.99	2.16	4.20	50.98
1888..	4.63	4.29	6.65	2.81	5.65	1.07	2.55	7.84	9.19	5.37	9.02	4.37	63.44
1889..	5.62	2.55	1.98	4.07	4.71	2.90	9.49	5.83	5.23	4.52	6.39	2.62	55.91
1890..	2.79	3.35	8.27	3.59	5.47	2.68	1.81	2.61	4.82	9.19	0.74	5.28	50.60
1891..	8.14	6.00	5.55	3.58	2.29	3.50	3.31	6.26	2.77	4.70	2.84	4.25	53.19
1892..	5.15	1.72	4.45	1.39	6.07	2.89	1.86	3.07	1.81	1.36	6.12	1.50	37.39
1893..	3.47	7.88	5.59	4.51	6.24	3.59	1.10	4.24	2.27	4.25	2.72	5.42	51.28
1894..	4.14	4.55	1.33	3.72	5.04	0.56	1.77	2.14	3.09	6.79	3.52	5.62	42.27
1895..	5.74	1.90	3.31	6.25	3.88	2.66	4.64	2.71	2.20	8.08	6.66	2.78	50.81
1896..	3.52	6.62	6.14	1.22	3.13	3.90	1.34	2.56	8.53	2.71	3.37	2.87	45.91
1897..	6.24	3.00	2.95	3.30	4.46	3.31	5.56	4.47	1.77	0.49	7.09	4.99	47.63
1898..	6.01	6.45	2.95	6.08	4.07	1.16	10.26	6.00	2.26	8.43	7.29	2.54	63.50
1899..	5.18	6.00	8.38	2.12	2.60	3.62	4.69	1.56	9.16	1.68	2.37	1.88	49.24
1900..	4.20	8.17	5.67	1.90	6.24	2.19	2.04	3.13	4.05	2.86	4.54	2.79	47.78
1901..	1.93	1.00	8.10	8.90	6.85	1.00	2.93	2.56	4.17	2.98	2.24	9.40	52.06
1902..	2.06	6.97	5.71	3.09	1.20	4.17	3.41	2.39	6.55	4.57	1.80	6.40	48.32
1903..	4.98	5.64	8.17	4.01	0.58	6.64	4.75	3.92	1.00	2.89	1.77	3.56	47.91
1904..	6.45	3.38	3.92	9.45	2.37	2.46	1.06	5.12	5.34	2.11	1.95	4.31	47.92
1905..	4.66	2.06	2.16	3.24	1.53	6.22	2.72	2.87	6.51	2.16	1.84	5.38	41.35
1906..	3.01	3.23	5.42	2.75	4.64	4.36	5.47	3.14	3.53	5.39	2.31	4.85	48.10
1907..	3.40	4.22	1.90	4.61	3.92	2.68	0.98	0.90	9.15	3.76	5.95	6.36	47.83
1908..	4.41	5.42	3.86	2.02	5.31	2.37	4.07	5.57	1.08	3.61	0.91	3.92	42.55
M'ns	4.08	3.85	4.20	3.76	3.69	3.26	3.31	4.07	3.39	3.71	3.99	4.00	45.31

CONNECTICUT.

NEW HAVEN, NEW HAVEN CO., CONN.—Elevation, 107 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1804..	4.76	2.28	4.12	3.60	3.07	2.30	3.32	1.35	4.90	6.07	3.21	4.32	43.30
1805..	6.93	1.95	2.20	2.65	3.92	2.71	0.86	......	1.65	6.75	3.20	4.10	.....
1806..	3.20	1.87	1.67	2.90	1.82	1.50	3.60	6.80	5.60	0.70	6.15	2.80	38.61
1807..	3.80	7.80	3.90	4.75	5.00	2.43	4.32	5.00	1.32	1.45	1.45	4.10	45.32
1808..	4.38	2.85	2.70	2.95	9.35	4.08	8.55	0.73	4.37	2.94	2.00	4.50	49.40
1809..	4.70	3.14	2.42	3.58	2.23	4.34	4.81	4.38	0.14	5.12	2.39	7.30	44.55
1810 .	1.46	1.22	2.89	2.67	1.31	4.17	1.88	5.35	1.55	2.03	8.34	1.53	39.40
1811..	3.32	5.01	3.69	2.73	1.83	1.89	6.24	5.30	1.88	5.44	4.37	5.96	47.66
1912..	4.66	4.28	1.03	3.32	3.51	3.42	4.19	5.55	3.51	4.45	3.03	3.22	44.17
1813..	4.54	1.38	5.36	3.68	7.33	4.17	4.04	4.11	4.92	5.86	3.91	4.10	53.40
1814..	1.60	7.65	3.71	3.82	6.20	3.00	7.03	9.13	3.22	1.23	7.72	1.75	56.06
1815..	3.09	3.33	5.27	3.07	3.87	3.88	6.94	4.90	9.79	0.68	2.19	3.63	50.64
1816..	3.68	5.45	2.46	2.72	2.81	3.67	1.15	1.61	6.65	4.14	2.81	0.85	38.00
1817..	2.59	4.87	3.27	2.80	1.30	8.90	2.46	4.27	2.74	1.15	5.39	3.64	43.38
1818..	2.90	2.30	4.00	4.67	6.36	2.49	3.05	1.63	5.79	1.22	1.53	2.08	38.02
1819..	1.16	5.16	5.60	3.94	4.31	1.91	1.44	2.65	3.46	1.26	0.65	2.35	33.89
1820..	3.15	3.87	5.36	0.86	5.97	0.96	6.23	2.34	2.22	8.80	3.00	3.43	46.19
1821..	4.49	5.28	2.32	4.70	3.44	4.60	1.71	1.00	4.74	5.11	4.28	2.97	44.64
1822..	......	......	......	5.78	2.16	2.90	4.25	2.72	4.33	2.28	3.71	......	.....
1823..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1824..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1825..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1826..	......	......	......	......	......	......	......	......	4.15	5.97	3.67	3.74	.....
1827..	2.21	3.60	2.57	3.70	4.34	2.67	4.83	6.41	5.40	6.01	6.18	3.46	51.38
1828..	......	2.74	3.10	2.30	6.01	3.70	11.10	......	8.90	1.40	3.20	1.20	.....
1829..	......	4.00	4.43	2.30	3.50	2.95	1.00	......	......	......	......	......	.....
1830 1863	......	......	......	......	......	......	......	......	......	......	......	......	.....
1864..	......	......	......	......	......	2.36	1.27	2.50	2.90	1.96	4.53	3.31	.....
1865..	4.74	4.98	4.85	2.39	6.30	2.05	4.29	1.13	0.79	3.59	2.72	3.76	41.89
1866..	1.92	5.55	3.62	2.57	5.45	3.38	3.59	6.48	5.10	1.68	3.41	4.32	46.98
1867..	2.14	4.60	3.15	1.95	4.34	5.43	1.55	9.73	0.87	6.32	2.41	2.65	45.44
1868..	3.16	2.11	2.15	4.70	......	......	......	......	......	......	......	......	.....
1869 1871	......	......	......	......	......	......	......	......	......	......	......	......	.....
1872..	......	......	......	......	......	......	......	......	......	......	......	3.03	.....
1873..	7.55	3.49	4.05	4.95	6.27	2.07	1.55	9.90	2.12	6.18	4.75	4.44	57.32
1874..	4.29	3.86	1.34	7.89	4.92	3.41	4.90	12.99	4.07	1.86	3.44	2.85	55.82
1875..	2.72	3.98	3.24	3.28	2.71	3.50	4.42	5.56	2.10	3.18	7.44	1.39	43.52
1876..	1.54	4.29	10.15	7.65	3.12	1.85	11.05	1.20	5.34	1.12	4.43	2.38	54.13
1877..	2.60	1.07	8.09	3.44	2.14	6.17	2.37	5.69	1.13	10.09	7.11	1.46	51.36
1878..	6.80	6.40	4.18	5.08	3.75	2.62	2.53	4.93	7.67	2.33	6.33	5.50	58.12
1879..	2.69	3.89	5.82	6.08	3.22	4.62	9.50	7.40	2.13	1.41	2.33	4.41	55.50
1880..	3.75	3.80	5.68	3.69	1.24	1.21	4.90	8.14	3.73	4.07	2.82	3.49	46.52
1881..	4.79	6.17	10.42	1.71	3.89	5.14	3.53	2.51	1.45	2.78	4.18	4.75	51.32
1882..	5.91	4.52	3.59	1.55	5.05	2.71	3.03	0.26	13.43	3.54	1.31	2.99	47.92
1883..	3.60	5.00	1.64	2.23	4.52	1.83	5.67	1.26	2.43	5.87	1.56	3.85	39.46
1884..	4.63	5.57	4.15	2.36	3.32	5.26	5.89	5.60	1.41	2.49	2.24	6.41	49.33
1885..	4.05	3.15	1.19	2.31	2.61	1.43	2.51	8.13	0.77	5.37	3.49	3.31	38.32
1886..	3.53	5.95	3.20	3.21	2.74	2.84	4.69	4.56	2.35	1.95	3.83	3.47	42.32
1887..	4.21	6.22	4.22	2.75	0.18	5.62	4.66	4.80	2.21	3.24	2.85	3.09	44.08
1888..	5.48	3.16	7.46	2.57	6.03	2.15	1.76	7.10	7.68	6.46	4.73	5.68	60.26
1889..	4.47	2.08	1.44	4.01	3.81	3.17	17.08	4.38	4.98	3.96	7.78	2.62	59.78
1890..	3.07	3.19	6.60	2.89	4.24	3.12	6.59	2.67	5.38	7.63	0.67	2.90	48.95
1891..	6.77	5.88	3.68	2.35	1.92	1.90	4.52	3.14	3.96	4.62	2.21	3.74	44.69
1892..	5.39	1.56	3.07	1.31	5.11	2.36	4.33	4.99	1.54	0.94	5.46	1.72	37.78
1893..	3.47	6.23	4.50	3.84	7.08	2.07	1.89	4.86	2.24	4.75	2.56	3.22	46.71
1894..	2.74	4.23	1.15	2.24	4.49	0.49	2.40	1.70	4.63	6.11	4.23	3.33	37.74
1805..	5.13	0.99	2.36	3.11	1.70	2.41	3.77	3.91	2.51	3.32	4.84	1.91	35.96
1896..	1.82	5.65	5.61	1.19	3.67	2.96	3.86	2.57	3.42	2.91	2.33	2.40	38.39
1897..	3.85	2.00	3.66	2.44	5.03	2.47	16.63	6.81	2.42	1.25	5.72	5.61	57.89
1898..	4.96	4.55	2.54	4.43	8.03	0.21	5.03	6.65	2.30	7.22	5.69	2.11	53.72
1899..	4.33	3.39	7.28	1.79	2.52	2.59	4.17	0.65	3.33	1.78	1.89	1.56	35.28
1900..	3.60	6.39	4.21	1.95	3.30	1.79	2.28	0.90	2.10	2.03	4.14	2.14	34.83
1901..	1.38	0.54	5.80	9.03	6.38	0.25	4.40	6.92	5.70	2.95	1.61	7.65	52.61
1902..	1.83	3.58	4.63	3.40	1.61	4.35	3.26	2.14	5.84	6.41	0.79	6.49	44.33
1903..	3.17	3.98	5.09	2.61	0.31	7.41	2.17	6.96	2.20	2.94	1.85	2.53	41.22
1904..	2.78	2.52	3.28	6.64	2.94	2.46	2.08	6.27	4.96	2.21	1.95	3.64	41.73
1905..	4.14	2.06	2.96	3.42	1.18	5.87	2.86	7.20	5.07	2.21	1.53	4.83	43.33
1906..	3.20	2.45	5.67	4.48	4.75	5.14	5.62	1.13	4.82	7.44	2.42	4.18	51.30
1907..	3.56	2.91	2.59	3.00	4.42	3.18	1.10	1.21	7.67	4.85	6.97	4.73	46.19
1908..	4.18	6.44	3.78	2.15	6.16	1.20	3.94	8.12	0.88	1.58	0.83	4.07	43.33
M'ns	3.74	3.89	4.00	3.42	3.94	3.12	4.48	4.59	3.82	3.75	3.61	3.53	45.89

NORTH GROSVENOR DALE, WINDHAM CO., CONN.—Elevation, 400 feet.

1891..	8.67	5.45	5.35	3.58	1.91	3.10	3.91	4.03	2.22	3.33	3.25	3.89	48.69
1892..	5.38	1.70	3.16	0.59	6.00	3.79	4.54	5.00	1.80	1.52	5.61	1.29	40.38
1893..	2.40	5.89	3.99	3.24	6.03	1.75	1.27	4.03	2.44	4.55	2.40	3.50	41.49
1894..	2.66	2.48	0.94	2.84	4.18	0.18	1.51	2.86	1.26	3.68	3.89	3.69	30.17
1895..	4.45	0.65	3.18	4.66	2.55	4.74	3.43	3.60	3.40	9.12	9.69	5.62	55.09
1896..	2.56	8.93	6.64	1.21	2.18	3.01	2.18	2.47	7.78	2.94	3.22	3.09	46.21
1897..	4.92	4.51	4.99	2.42	5.71	2.99	9.09	5.66	1.97	1.03	7.24	5.53	56.06
1898..	7.43	3.17	2.41	4.34	3.02	2.31	......	5.20	......	6.10	6.36	2.99	.....
1899..	4.51	5.54	6.53	......	1.85	3.81	5.62	1.26	4.40	1.19	2.47	2.21	.....
1900..	5.04	7.72	6.53	2.75	5.84	3.66	4.16	1.57	2.09	4.10	6.30	2.46	52.22
1901..	2.01	1.17	7.17	7.23	5.12	1.50	4.32	5.01	4.17	3.36	2.49	10.43	53.98
1902..	2.49	5.91	5.47	2.86	1.45	3.91	7.34	3.59	3.94	5.66	0.92	7.02	50.56
1903..	3.93	5.54	8.14	3.23	0.49	7.33	3.51	4.59	1.70	3.11	2.05	4.10	47.72
1904..	5.48	2.89	3.71	7.62	1.88	2.20	2.22	6.61	6.72	2.01	1.67	3.16	46.17
1905..	2.93	1.85	3.31	2.88	1.52	3.93	0.76	4.03	5.88	1.83	2.55	4.28	35.75
1906..	2.91	2.54	4.68	2.72	6.46	3.10	3.96	1.96	2.04	4.08	2.04	3.34	39.83
1907..	2.93	2.79	1.37	2.26	2.95	3.04	1.30	0.84	8.71	5.05	5.63	3.17	40.04
1908..	1.18	3.77	2.27	1.14	2.77	2.31	4.26	7.70	1.03	1.48	0.88	3.41	32.20
M'ns	3.99	4.03	4.44	3.27	3.44	3.15	3.73	3.89	3.62	3.56	3.81	4.07	45.00

CREAM HILL, LITCHFIELD CO., CONN.—Elevation, 1,300 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896..	......	......	......	......	......	2.65	4.69	4.68	5.36	3.20	2.98	1.78	.....
1897..	3.54	2.21	2.09	3.16	4.22	5.15	9.71	5.28	2.85	1.04	5.54	4.53	49.32
1898..	3.52	3.68	2.37	4.31	6.70	2.87	1.79	6.77	4.25	3.35	6.46	2.17	48.24
1899..	3.47	4.13	5.84	1.47	1.75	3.39	6.70	1.11	4.21	1.67	1.59	2.21	37.54
1900 .	2.82	5.97	3.84	1.95	5.13	4.42	6.09	2.18	1.75	2.73	5.29	3.00	45.17
1901..	1.52	0.84	7.33	6.83	6.90	1.69	4.57	6.97	4.52	4.37	3.26	8.14	56.94
1902..	3.26	4.90	4.68	4.76	2.99	5.06	9.40	4.70	7.83	5.42	0.75	7.68	61.43
1903..	3.93	4.97	4.94	5.20	1.39	9.74	4.07	5.65	2.85	6.39	3.10	6.65	56.88
1904..	4.69	3.13	4.46	3.12	4.28	3.52	6.15	3.89	7.92	2.71	1.24	3.09	48.20
1905..	6.91	1.68	3.12	2.74	2.35	3.90	5.83	4.71	6.83	2.90	2.19	2.59	45.75
1906..	2.41	2.55	4.06	3.67	5.61	5.60	6.47	3.14	3.58	4.02	1.36	3.84	46.31
1907..	2.75	3.12	1.34	3.58	4.42	4.23	2.10	2.11	12.22	9.69	4.69	5.55	55.80
1908..	3.95	5.23	2.84	2.10	4.20	2.45	6.65	5.29	1.30	1.99	0.92	3.34	40.26
M'ns	3.56	3.53	3.91	3.41	4.16	4.21	5.71	4.34	4.19	3.81	3.03	4.20	48.06

MIDDLETOWN, MIDDLESEX CO., CONN.—Elevation, 125 feet.

1858..	......	......	......	......	......	......	......	......	4.94	2.83	3.06	3.48	.....
1859..	7.18	4.20	7.52	3.06	4.18	6.09	2.17	6.57	3.90	2.13	2.45	3.88	53.33
1860..	......	......	....	......	......	......	......	......	......	......	......	......	.....
1861..	4.13	2.68	4.22	5.13	6.82	3.65	3.54	6.09	3.88	2.20	3.28	1.57	47.19
1862..	5.21	2.14	3.87	1.59	2.37	8.05	6.24	1.65	5.45	3.94	6.09	1.73	48.33
1863..	....	5.21	4.73	4.26	1.74	1.01	11.14	4.90	1.72	3.34	5.02	5.95	.....
1864..	3.10	2.35	2.06	1.82	3.82	3.00	1.68	2.92	3.45	2.60	4.33	5.89	37.08
1865..	4.76	3.61	4.75	3.41	6.85	2.41	4.65	1.16	0.75	3.21	3.96	2.99	42.51
1866..	1.61	5.11	2.60	2.99	5.38	3.02	4.04	4.24	6.74	2.98	4.34	3.31	46.27
1867..	3.61	4.34	3.51	2.44	4.53	5.39	3.31	10.22	2.83	4.12	2.75	2.49	49.54
1868..	3.36	1.53	2.78	4.48	7.63	4.52	2.35	7.39	10.49	0.89	3.85	2.38	51.95
1869..	2.93	3.84	6.68	1.65	5.90	4.75	3.02	2.81	3.66	14.51	3.06	5.84	58.68
1870..	5.13	4.86	5.58	5.41	1.59	2.70	1.54	3.14	0.96	4.10	2.45	2.26	39.74
1871..	3.43	4.10	6.52	3.14	4.42	4.24	5.48	8.31	1.92	3.60	4.05	2.42	51.64
1872..	2.10	2.88	2.94	2.18	2.72	4.95	5.89	5.07	4.63	2.36	4.55	3.34	43.91
1873..	5.88	2.46	2.39	2.75	4.09	0.49	2.09	8.31	2.37	6.18	4.29	4.59	45.89
1874..	5.69	3.59	1.12	7.16	3.89	2.88	5.63	6.26	2.72	1.49	2.11	2.12	44.66
1875..	2.86	4.85	5.18	3.89	1.44	3.25	2.49	5.64	1.59	4.56	5.73	1.20	42.69
1876..	1.45	5.12	9.49	3.71	2.87	1.89	10.29	1.23	6.04	1.16	4.05	4.21	51.41
1877..	3.38	1.14	9.21	2.60	1.11	6.58	2.09	6.15	0.04	9.11	7.20	1.56	52.09
1878..	5.77	5.13	2.89	4.42	2.93	3.68	1.99	4.89	1.80	2.71	5.48	7.91	49.63
1879..	2.49	4.07	5.53	5.95	2.69	4.38	5.88	8.24	1.88	1.18	1.78	3.84	47.91
1880..	3.50	3.68	3.51	3.80	0.74	3.07	5.67	5.56	4.15	3.94	2.28	2.92	42.80
1881..	5.17	6.15	6.42	1.74	4.57	3.55	2.84	2.87	0.49	2.41	4.50	4.19	44.90
1882..	5.12	4.74	3.64	1.48	4.38	1.96	2.17	1.25	11.64	4.69	1.65	2.65	45.37
1883..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1884..	......	......	......	......	......	......	......	....	......	......	2.90	7.20	.....
1885..	3.97	3.97	1.20	2.39	3.57	3.28	2.85	8.50	0.67	4.78	4.94	3.54	44.55
1886..	5.22	7.43	3.44	3.43	4.19	3.17	4.27	3.23	2.17	3.31	4.33	5.72	49.91
1887..	7.07	7.56	4.62	3.00	0.22	6.13	6.99	4.05	1.76	3.32	2.37	4.86	51.95
1888..	5.99	4.29	8.78	1.72	4.38	1.86	1.92	6.14	7.81	6.11	6.16	5.55	60.71
1889..	5.64	1.81	2.55	4.04	3.33	3.34	13.43	5.12	4.72	5.47	7.03	2.79	59.27
1890..	2.84	3.28	7.45	2.84	5.51	2.16	4.16	4.66	5.97	7.52	0.75	4.46	51.60
1891..	9.24	6.09	5.95	3.90	1.62	2.70	4.98	3.52	3.46	4.21	3.00	5.08	53.79
1892..	......	......	......	......	......	1.61	2.63	3.99	2.24	1.38	6.83	1.74	.....
1893..	2.47	7.53	5.39	4.33	7.20	2.99	2.16	4.98	2.55	5.51	3.18	4.15	52.47
1894..	2.83	4.18	1.71	2.51	5.29	0.39	1.10	1.33	3.55	8.00	5.72	4.85	41.46
1895..	5.66	0.99	2.59	4.14	2.12	4.23	3.98	4.57	2.39	4.04	7.36	3.89	45.96
1896..	1.80	7.64	5.31	1.09	3.00	4.36	2.72	2.59	5.26	4.32	3.04	2.62	43.75
1897..	5.68	3.28	3.83	2.65	5.00	3.52	13.35	7.12	2.44	1.15	6.60	5.85	60.47
1898..	4.22	5.98	2.90	5.41	8.01	0.39	5.24	7.92	......	......	9.50	2.21	.....
1899..	4.96	6.08	7.91	1.92	2.67	2.55	5.87	1.72	......	......	1.53	2.81	.....
1900..	4.19	8.91	6.27	2.39	3.62	2.08	2.92	1.89	2.75	3.82	6.88	2.78	48.50
1901..	1.74	0.63	6.32	13.37	8.05	0.84	4.86	7.78	6.57	4.79	2.64	11.18	68.77
1902..	2.27	5.84	6.01	3.03	0.80	4.33	4.28	......	......	......	......	......	.....
M'ns	4.22	4.33	4.74	3.53	3.88	3.31	4.51	4.85	3.67	4.05	4.26	3.90	49.25

WALLINGFORD, NEW HAVEN CO., CONN.—Elevation, 73 feet.

1856..	......	......	......	4.10	6.85	3.07	2.93	11.68	3.22	1.98	2.67	6.61	.....
1857..	4.39	......	2.47	7.11	7.76	3.23	8.29	5.62	3.17	5.88	2.06	4.38	.....
1858..	3.13	1.92	1.57	3.87	2.62	5.08	3.26	4.02	5.18	3.29	3.23	4.47	41.64
1859..	6.94	4.24	8.45	3.76	4.73	6.25	2.58	6.12	5.63	1.91	2.49	4.01	57.11
1860..	2.38	3.13	2.62	2.11	4.04	1.64	2.72	5.53	3.38	3.10	6.37	4.97	41.99
1861..	4.07	2.90	4.97	5.83	5.67	3.68	2.85	5.66	4.61	2.20	4.47	1.17	48.68
1862..	5.71	3.01	4.30	1.93	2.93	7.60	5.28	......	......	......	......	......	.....
1865..	4.92	4.60	6.31	3.26	7.26	4.89	6.84	1.57	1.38	4.33	3.15	4.01	52.52
1866..	1.71	6.48	3.41	2.89	5.80	4.31	3.28	4.21	6.17	3.35	4.96	4.38	50.95
1867..	2.42	2.64	4.08	2.76	6.31	5.40	2.45	10.53	2.59	5.91	3.50	2.70	51.29
1868..	4.55	1.69	2.66	5.58	7.79	3.67	2.44	7.27	8.40	0.93	4.31	2.47	51.76
1869..	3.05	5.22	7.02	2.16	6.36	3.23	2.98	1.95	3.27	13.29	3.58	6.35	58.46
1870..	6.38	5.19	5.60	6.21	1.39	3.12	2.96	2.11	1.40	5.37	3.43	2.19	45.35
1871..	3.88	3.99	6.54	3.84	4.37	6.27	2.03	7.04	2.02	5.55	4.62	3.23	53.38
1872..	1.47	2.99	4.16	1.72	3.60	4.23	5.02	6.96	4.31	2.70	5.38	3.66	46.20
1873..	6.71	3.52	2.50	3.28	5.42	0.38	2.17	9.93	2.16	5.03	4.36	4.84	50.30
1874..	6.51	3.88	1.53	7.88	3.78	1.93	4.54	7.13	3.29	1.20	3.12	2.32	47.10
1875..	2.90	5.18	5.48	3.74	2.12	3.37	3.21	4.88	2.10	3.32	5.72	1.37	43.39
1876..	1.36	5.26	10.90	4.98	3.61	1.40	10.01	1.69	5.00	1.43	4.37	4.19	54.20
1877..	3.47	1.50	8.30	2.35	1.07	6.59	2.35	4.63	0.65	8.34	6.81	1.76	47.82
1878..	5.83	5.71	2.95	4.73	3.44	3.97	3.40	3.96	4.87	2.73	5.87	7.06	54.52
1879..	2.64	3.88	4.93	5.80	2.32	3.90	8.99	8.04	1.80	1.30	2.00	4.19	49.79
1880..	4.02	3.79	3.63	4.59	1.16	2.04	5.38	4.62	3.86	3.89	2.87	3.00	42.85
1881..	6.39	6.97	7.79	1.35	4.51	3.54	3.07	1.82	0.68	2.99	4.06	4.89	48.06
1882..	5.98	4.59	4.14	1.22	4.51	2.46	2.43	1.51	11.90	3.63	1.62	3.86	47.85
1883..	4.81	5.56	2.58	1.91	3.95	2.24	5.05	1.03	2.56	6.51	1.77	4.33	42.30
1884..	5.16	6.06	5.40	2.98	3.94	4.52	3.92	5.32	0.91	3.40	2.73	7.53	51.93
1885..	5.27	4.17	1.52	2.72	3.07	1.91	3.04	7.96	0.75	5.59	5.05	4.25	45.30
1886..	5.37	8.77	3.67	4.20	3.72	2.78	4.23	3.23	2.98	2.73	4.68	5.93	52.29
1887..	5.71	7.16	5.05	3.19	0.25	8.12	4.53	4.77	2.12	3.25	2.54	5.18	51.87
1888..	7.00	4.30	7.10	1.91	5.27	2.74	2.18	6.18	7.21	6.52	4.42	5.80	60.65

WALLINGFORD, CONN.—Continued.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1889..	5.17	2.10	3.59	4.99	4.18	4.06	13.58	5.22	5.02	4.45	8.11	2.65	63.12
1890..	3.25	3.09	6.43	2.67	4.22	3.34	4.83	3.84	5.66	7.21	0.97	4.18	49.69
1891..	9.15	6.73	5.05	3.87	2.34	1.39	5.43	3.01	3.84	4.22	2.87	4.97	52.87
1892..	6.41	1.72	3.59	1.14	4.57	1.99	3.47	3.74	2.16	0.92	6.28	1.89	37.88
1893..	3.15	8.08	5.86	4.21	8.06	2.35	2.24	4.75	2.42	4.87	2.94	3.82	52.75
1894..	2.92	5.45	1.69	3.30	4.56	0.65	1.16	2.23	4.88	7.07	6.86	4.09	44.86
1895..	5.59	1.06	3.61	4.07	1.52	6.08	4.50	4.72	2.65	5.83	5.39	3.13	48.15
1896..	1.72	8.10	3.93	1.58	2.49	4.30	2.89	3.49	4.12	3.40	2.73	2.41	41.16
1897..	4.76	1.95	3.84	2.82	6.64	3.62	16.69	5.13	1.11	1.29	6.86	5.50	60.21
1898..	......	......	......		......	......	4.96	7.93	2.18	7.62	9.48	2.16	.....
1899..	5.02	6.69	8.70	1.97	2.01	2.87	6.67	1.02	3.79	2.49	1.27	1.95	44.45
1900..	4.59	8.25	5.24	1.93	4.35	1.61	2.39	1.48	3.54	2.82	5.97	......	.....
1901..	1.93	0.65	4.36	......	7.80	1.41	2.33	2.06	5.55	3.84	2.38	8.16	.....
1902..	2.07	6.40	7.39	4.34	1.53	4.44	......	......	7.53	6.95	1.64	8.60	.....
1903..	4.01	5.58	6.50	3.13	1.23	11.48	2.46	5.96	1.75	3.33	2.10	4.48	52.01
1904..	4.91	4.34	3.54	5.86	2.91	1.33	2.31	5.18	6.05	1.18	2.28	4.33	44.22
1905..	5.54	......	3.29	2.95	1.00	4.56	2.25	5.68	3.86	2.60	2.20	5.03	.....
1906..	4.15	3.15	6.40	3.95	4.58	3.97	4.36	2.52	3.92	6.95	1.95	3.77	49.67
1907..	3.23	3.19	1.94	3.95	4.35	......	1.10	1.09	6.88	3.51	6.18	5.92	.....
1908..	4.46	5.93	3.37	2.39	5.59	1.13	2.84	7.14	0.84	1.70	0.81	......	....
M'ns	4.41	4.39	4.69	3.46	4.07	3.56	4.22	4.76	3.71	4.08	3.91	4.22	49.48

HARTFORD, HARTFORD CO., CONN.—Elevation, 159 feet.

1846..	......	......	.	...	......	......	6.63	1.13	0.33	2.68	6.60	3.24	.....
1847..	4.04	6.11	5.22	1.00	1.83	3.09	2.82	3.20	6.65	3.85	2.63	5.16	45.60
1848..	2.49	2.00	3.12	1.19	5.40	3.38	2.85	3.79	1.70	3.98	4.96	5.08	39.94
1849..	0.86	1.10	5.60	1.30	4.23	0.86	4.89	5.23	2.93	5.57	4.51	2.76	39.84
1850..	6.05	3.84	2.71	5.93	7.10	2.35	4.60	6.05	6.90	4.46	3.53	3.62	57.14
1851..	2.55	4.46	1.79	5.18	4.00	4.15	2.12	2.32	1.52	6.18	5.04	2.68	41.99
1852..	5.06	1.40	4.85	5.22	1.85	3.17	2.67	1.75	1.40	1.29	6.76	4.53	39.95
1853..	2.61	6.00	2.69	......	......	......	......	......	......	......	......	.....	.....
1854..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1855..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1856..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1857..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1858..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1859..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1860..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1861..	.....	......	......	......	......	......	......	......	......	......	......	......	.....
1862..	......	......	......	......	....	.....	......	......	......	......	......	......	.....
1863..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1864..	......	.....	......	......	......	......	......	......	......	......	......	......	.....
1865..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1866..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1867..	......	......	......	......	.....	......	......	......	......	......	.....	......	.....
1868..	3.23	1.75	2.75	4.95	9.10	4.56	1.83	7.15	9.98	0.77	4.45	1.48	52.00
1869..	3.60	3.94	6.39	1.63	4.86	7.76	1.33	1.07	3.46	13.33	3.40	5.04	55.81
1870..	4.84	6.15	5.26	4.24	1.15	4.18	1.36	1.64	0.70	4.86	3.40	1.95	39.73
1871..	2.26	3.20	5.09	2.07	4.78	6.16	2.91	7.02	1.24	6.49	3.60	1.99	46.81
1872..	1.08	1.94	3.29	1.35	3.41	4.26	6.08	6.50	3.95	2.60	4.27	2.80	41.53
1873..	4.07	2.35	2.20	3.45	6.25	0.15	1.98	6.02	2.56	3.62	2.43	3.87	38.95
1874..	5.57	2.75	1.15	6.49	3.52	4.86	5.22	6.50	2.83	1.12	2.30	1.35	43.66
1875..	2.06	3.40	3.31	3.15	1.18	2.59	2.18	7.86	1.40	3.60	4.37	0.92	36.02
1876..	1.25	4.29	8.47	2.97	4.45	2.74	5.94	0.25	4.43	1.00	3.56	4.45	43.80
1877..	2.83	1.09	9.38	2.18	0.43	5.29	3.09	3.63	0.37	7.21	6.09	0.67	42.26
1878..	5.78	3.95	3.00	4.59	2.32	4.11	2.22	3.75	2.22	2.22	5.25	5.94	45.35
1879..	1.71	3.05	3.03	4.00	1.60	3.74	3.36	6.50	1.70	0.73	1.61	3.08	34.11
1880..	2.78	3.06	3.00	1.83	0.73	2.03	7.02	5.20	2.98	1.60	4.80	1.85	36.88
1881..	3.80	2.30	4.70	1.16	3.83	2.35	4.80	3.00	0.25	1.86	4.80	4.06	36.91
1882..	2.42	5.77	2.60	1.15	3.42	1.31	3.22	1.15	10.88	2.69	0.85	1.58	37.04
1883..	1.95	4.42	1.65	1.24	2.95	2.30	3.17	3.20	3.13	5.89	1.30	2.44	33.64
1884..	4.45	5.62	4.87	3.29	2.43	1.53	3.83	3.11	0.89	2.48	2.85	6.21	41.56
1885..	4.80	3.35	1.00	3.14	2.60	2.73	6.35	10.27	2.18	5.16	4.63	2.50	48.71
1886..	5.28	6.08	2.58	3.83	3.18	1.97	5.45	2.43	4.31	2.29	4.67	3.76	45.83
1887..	5.84	6.37	4.46	2.52	0.20	6.00	4.52	7.65	2.12	2.99	2.78	4.80	50.25
1888..	4.22	4.07	3.03	2.10	4.50	1.12	2.98	3.84	8.55	5.23	5.22	5.43	50.29
1889..	4.97	1.34	1.64	3.47	3.00	3.69	9.33	4.70	3.72	5.10	8.29	2.41	51.66
1890..	2.25	3.48	6.18	2.92	5.08	3.37	3.83	4.12	4.55	5.86	0.80	3.18	45.62
1891..	8.48	4.27	4.75	3.35	2.00	1.92	5.41	3.52	3.28	3.57	2.93	4.99	48.47
1892..	4.77	1.68	2.16	1.01	5.59	2.31	2.84	6.69	2.57	1.39	5.81	1.43	38.25
1893..	3.20	4.27	5.11	3.61	7.18	2.71	2.18	4.37	2.08	5.35	2.59	3.67	46.32
1894..	1.72	3.12	1.88	2.23	6.14	0.48	1.36	2.25	5.80	5.94	5.13	4.12	40.17
1895..	4.83	1.42	2.90	4.38	2.13	2.20	3.74	6.12	2.34	4.52	5.68	1.65	41.91
1896..	1.32	4.20	7.76	0.74	1.82	5.18	2.78	3.82	5.96	3.42	2.74	1.02	40.76
1897..	3.50	3.14	2.98	2.21	5.43	4.24	15.14	3.57	1.65	0.60	5.85	5.28	53.59
1898..	3.31	3.91	1.91	3.19	5.63	1.80	4.17	6.95	2.14	5.51	7.91	1.74	48.17
1899..	3.33	2.53	4.92	2.74	2.16	2.47	4.84	0.90	3.53	2.20	2.68	1.17	33.47
1900..	3.60	8.28	6.29	1.53	4.26	3.66	3.93	3.89	1.73	3.41	4.81	2.70	48.09
1901..	1.39	0.50	6.83	11.17	7.23	0.69	3.24	5.53	4.64	3.74	2.06	9.34	56.36
1902..	2.22	3.02	6.02	3.95	2.04	3.94	7.03	4.70	6.08	6.30	0.74	6.65	52.69
1903..	3.14	4.50	6.42	2.90	0.25	10.81	5.63	7.53	4.48	3.70	2.42	3.34	55.12
1904..	3.24	2.31	3.20	5.70	2.86	2.45	3.51	5.49	6.93	2.78	1.32	2.28	42.07
1905..	3.46	1.33	3.36	2.43	1.21	4.63	3.55	6.36	4.30	2.57	1.63	4.44	39.27
1906..	2.25	1.67	4.53	4.76	4.21	2.11	6.32	2.05	3.20	6.28	2.52	2.17	42.07
1907..	4.13	1.92	1.07	2.63	3.77	3.14	2.69	1.30	10.79	6.33	5.63	5.45	48.85
1908..	3.47	4.98	3.06	2.36	6.52	2.42	5.74	6.74	1.12	1.67	0.92	3.36	42.36
M'ns	3.47	3.43	4.00	3.14	3.55	3.32	4.30	4.59	3.68	3.85	3.64	3.33	44.30

MISCELLANEOUS DATA.

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
NEW HAMPSHIRE.	Yrs													
Bethlehem	18	10	9	12	11	12	12	13	12	11	10	11	10	133
Concord	38	9	8	9	8	9	10	10	9	8	8	8	9	105
Hanover	23	8	8	10	10	10	9	10	10	8	9	10	8	110
Keene	16	9	8	11	10	11	10	11	10	8	10	10	8	116
Nashua	24	11	10	12	9	10	9	10	9	8	10	10	10	118
Plymouth	21	9	9	10	9	10	11	9	9	8	9	10	9	112
Stratford	9	9	8	9	7	9	11	11	9	9	9	9	8	108
VERMONT.														
Burlington	25	13	11	12	10	12	13	13	12	11	12	12	13	141
Cornwall	23	7	7	8	7	8	9	9	8	8	7	7	6	91
Enosburg Falls	17	12	10	11	10	12	14	11	11	9	10	12	12	134
Jacksonville	23	12	10	12	10	12	12	11	10	10	10	10	12	131
Northfield	22	13	12	14	12	13	13	14	13	11	13	13	13	154
St. Johnsbury	15	11	10	14	10	12	12	13	10	10	11	12	12	137
Wells	16	9	8	11	8	11	11	12	11	9	9	9	8	116
Woodstock	16	7	6	8	7	9	9	10	9	8	7	7	8	95
MASSACHUSETTS.														
Amherst	20	11	10	12	10	11	10	12	11	9	10	10	10	126
Boston	36	12	11	13	11	11	10	11	10	9	10	11	11	130
Fitchburg	26	9	9	12	9	10	9	10	9	8	9	9	9	112
Lawrence	25	12	11	12	11	12	10	10	10	9	10	12	12	131
Nantucket	23	13	13	14	11	11	10	9	8	9	11	13	14	136
Springfield	17	11	11	11	12	11	9	10	10	9	8	9	10	121
Turners Falls	14	10	10	11	12	10	8	9	9	9	8	9	10	116
Williamstown	23	10	10	10	11	9	10	9	8	9	8	8	9	111
RHODE ISLAND.														
Block Island	21	13	11	13	11	12	9	10	9	10	10	12	12	132
Providence	24	10	9	10	9	10	8	9	8	8	8	9	9	107
CONNECTICUT.														
Colchester	22	10	8	10	8	10	8	9	9	9	7	9	9	106
Cream Hill	11	9	8	9	11	10	9	9	8	9	8	10	9	109
Hartford	..	10	9	10	10	9	9	9	9	8	9	10	10	112
Middletown	17	10	9	10	10	9	9	8	9	9	8	10	10	111
New Haven	36	13	12	13	11	11	11	12	10	10	10	10	11	134
North Grosvenor Dale	18	9	10	9	10	10	9	9	10	8	10	11	10	115

Mean temperature.

NEW HAMPSHIRE.														
Bethlehem	18	15.6	17.4	28.4	41.2	54.3	62.7	66.8	64.0	56.9	45.8	32.4	20.4	42.2
Concord	38	21.2	23.6	31.5	43.8	55.7	64.4	69.1	66.6	59.1	48.7	36.8	26.4	45.6
Hanover	70	17.0	18.8	28.8	41.3	54.7	64.1	68.2	65.7	57.4	45.5	33.7	21.0	43.0
Keene	16	20.9	22.6	30.6	44.1	56.3	64.9	68.3	66.2	59.1	47.6	36.7	25.6	45.2
Nashua	24	22.5	24.0	32.2	45.5	57.2	66.3	70.7	68.6	61.1	48.9	38.2	27.7	46.9
Plymouth	21	17.1	17.5	28.3	41.7	54.4	64.1	68.6	65.8	58.3	45.7	33.3	21.7	43.0
Stratford	18	16.2	18.1	28.4	41.8	55.6	64.2	68.2	65.4	58.5	45.9	33.8	20.4	43.0
VERMONT.														
Burlington	20	16.3	17.9	27.3	40.7	53.9	63.8	68.2	66.1	58.9	46.9	33.7	22.5	43.0
Cornwall	15	19.2	19.4	30.7	45.6	56.8	65.5	70.4	67.2	61.2	49.8	36.0	24.3	45.5
Enosburg Falls	17	16.0	16.0	29.1	43.1	54.6	64.0	67.4	64.0	58.6	47.4	33.8	21.4	43.0
Jacksonville	23	17.8	18.6	27.4	40.4	53.5	61.6	65.9	60.9	56.1	44.5	33.0	22.1	42.0
Northfield	22	15.1	17.2	26.2	40.2	53.5	62.7	66.6	62.9	54.6	43.6	32.0	20.5	41.3
St. Johnsbury	15	14.9	17.2	26.5	41.8	55.1	64.0	68.1	64.4	57.4	46.4	33.3	20.7	42.5
Wells	16	18.1	18.8	29.4	42.0	55.7	64.8	69.0	65.8	59.7	48.4	34.6	23.2	44.1
Woodstock	16	15.7	17.6	3.00	41.4	54.5	64.4	68.3	65.3	57.7	45.8	34.8	21.5	43.1
MASSACHUSETTS.														
Amherst	20	23.6	24.9	32.7	45.4	57.0	66.2	70.5	68.2	60.2	49.0	38.3	27.3	46.9
Boston	36	27.0	28.0	35.0	45.3	56.6	65.8	71.3	68.9	62.7	52.3	41.2	31.6	48.8
Fitchburg	23	23.5	23.5	32.7	45.4	57.2	65.6	70.9	67.8	61.0	49.1	38.2	28.0	47.0
Lawrence	25	23.8	24.4	33.5	46.1	58.1	66.6	72.5	69.4	61.8	49.4	39.4	28.5	47.8
Nantucket	23	32.1	32.6	36.8	41.2	53.0	61.3	67.5	68.0	62.8	54.5	45.2	36.7	48.7
Springfield	17	25.0	26.0	33.1	46.5	59.4	69.4	73.2	71.0	63.0	50.4	38.8	28.6	48.7
Turners Falls	14	21.6	22.7	33.6	45.6	57.6	66.2	69.9	67.6	60.8	49.9	37.2	25.5	46.5
Williamstown	23	21.8	22.1	29.0	44.0	56.5	65.6	68.6	65.3	59.0	48.1	37.6	27.9	45.5
RHODE ISLAND.														
Block Island	21	31.4	31.2	35.9	43.8	52.9	61.6	68.1	68.7	64.1	55.3	45.3	36.6	49.6
Providence	24	27.2	29.0	35.7	46.6	58.5	68.3	73.4	71.0	63.2	52.2	40.4	31.6	49.8
CONNECTICUT.														
Colchester	22	25.6	27.3	36.0	45.5	55.9	66.4	69.2	68.6	62.2	47.8	42.9	30.7	48.2
Cream Hill	11	22.6	22.5	33.8	43.4	55.8	63.8	69.0	66.6	61.3	50.9	36.7	25.9	46.0
Hartford	....	25.5	27.2	35.0	46.7	57.5	67.1	71.6	68.9	61.7	51.2	39.5	29.8	48.5
Middletown	17	25.7	27.2	34.3	45.7	58.3	67.5	72.1	70.3	62.6	51.4	40.3	28.9	48.7
New Haven	36	27.3	28.3	35.4	46.4	57.6	66.9	71.9	70.1	63.9	52.8	41.3	31.8	49.5
North Grosvenor Dale	18	24.8	25.5	34.0	46.2	56.7	66.0	71.0	69.2	61.4	50.6	39.4	29.6	47.9

Highest temperatures by months.

NEW HAMPSHIRE.														
Bethlehem	18	53	57	70	82	86	92	92	88	86	79	65	58	92
Concord	38	72	68	77	92	95	100	100	98	96	92	80	63	100
Hanover	24	58	57	75	86	90	98	96	96	91	85	69	60	98
Keene	16	53	58	79	87	92	98	98	91	93	86	73	61	98
Nashua	24	63	60	78	88	95	100	100	97	95	88	72	64	100
Plymouth	21	55	53	73	88	96	100	102	96	93	83	69	58	102
Stratford	9	56	57	73	88	97	99	100	99	96	90	72	62	100
VERMONT.														
Burlington	20	59	55	70	85	90	94	96	94	91	82	70	59	96
Cornwall	15	54	55	72	84	94	97	96	96	91	80	69	61	97
Enosburg Falls	17	58	56	74	83	89	93	94	91	91	83	70	68	94
Jacksonville	23	55	54	71	85	88	95	95	93	88	88	72	56	95
Northfield	22	61	59	75	85	90	95	95	92	90	83	70	60	95
St. Johnsbury	15	49	53	75	86	87	92	93	89	91	78	66	61	93

Highest temperatures by months.—Continued.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
VERMONT—Cont'd.	Yrs													
Wells	16	56	58	68	80	89	94	95	92	86	80	66	60	95
Woodstock	16	55	51	73	83	93	99	99	93	91	79	77	64	99
MASSACHUSETTS.														
Amherst	20	62	58	76	88	94	98	100	97	97	89	74	65	100
Boston	36	70	64	76	84	97	98	101	97	102	90	75	66	102
Fitchburg	26	60	60	75	87	93	96	100	97	95	86	72	63	100
Lawrence	25	62	60	76	87	96	99	102	97	94	88	73	63	102
Nantucket	23	57	55	59	73	86	89	87	87	86	75	66	59	89
Springfield	17	61	60	72	88	93	97	100	98	93	85	71	64	100
Turners Falls	14	57	54	74	84	89	94	95	90	91	83	69	62	95
Williamstown	23	64	58	75	82	86	90	91	89	87	80	68	66	91
RHODE ISLAND.														
Block Island	21	59	58	59	72	82	86	88	89	86	75	70	60	89
Providence	24	64	65	71	88	94	98	102	99	94	86	72	64	102
CONNECTICUT.														
Colchester	22	62	66	72	87	91	100	98	98	94	86	74	63	100
Cream Hill	11	66	57	82	82	89	93	96	94	90	87	70	61	96
Hartford	23	65	68	80	87	95	96	98	94	93	90	78	65	98
Middletown	17	62	62	68	90	94	100	103	98	97	90	74	66	103
North Grosvenor Dale	18	65	67	69	85	93	96	97	98	100	86	72	65	100
New Haven	36	66	59	81	87	95	99	101	96	92	88	73	65	101

Lowest temperatures by months.

NEW HAMPSHIRE.														
Bethlehem	18	—25	—26	—13	6	20	32	38	36	27	16	— 3	—21	—26
Concord	38	—35	—34	—16	7	22	34	38	35	25	17	—17	—24	—35
Hanover	24	—34	—29	—14	4	20	32	39	37	24	15	— 5	—24	—34
Keene	16	—28	—28	—12	12	21	33	37	35	25	17	— 1	—22	—28
Nashua	24	—25	—20	— 6	15	22	35	42	38	26	18	3	—18	—25
Plymouth	21	—28	—38	—20	8	22	30	35	35	24	11	— 1	—18	—38
Stratford	9	—31	—32	—22	2	19	30	32	33	25	12	—10	—28	—32
VERMONT.														
Burlington	20	—20	—21	—17	14	28	42	48	43	34	20	0	—17	—21
Cornwall	15	—20	—24	— 9	11	25	38	42	39	31	12	0	—16	—24
Enosburg Falls	17	—30	—32	—24	5	15	32	35	34	25	12	— 9	—32	—32
Jacksonville	23	—29	—32	—18	4	20	31	38	34	23	10	— 1	—24	—32
Northfield	22	—15	—32	—18	—1	18	30	34	33	24	12	—14	—27	—32
St. Johnsbury	15	—34	—31	—21	9	19	32	36	35	26	15	— 3	—25	—34
Wells	16	—18	—26	—10	10	24	33	40	37	28	15	0	—25	—26
Woodstock	16	—31	—36	—25	6	17	32	36	34	26	14	— 4	—34	—36
MASSACHUSETTS.														
Amherst	20	—22	—19	— 6	16	24	34	40	37	28	20	4	—15	—22
Boston	36	—13	—11	— 1	11	31	42	46	47	34	25	— 2	—12	—13
Fitchburg	26	—14	— 6	— 4	15	28	39	42	40	34	22	5	—14	—16
Lawrence	25	—25	—19	— 4	16	27	38	47	43	31	22	7	—14	—25
Nantucket	23	— 4	— 1	6	22	35	43	48	49	41	34	15	— 1	— 4
Springfield	17	—15	—15	— 3	14	27	38	42	40	28	17	6	—11	—15
Turners Falls	14	—28	—21	— 4	15	28	36	43	40	30	22	7	—12	—28
Williamstown	23	—26	—19	—14	12	25	35	32	30	29	18	2	—20	—26
RHODE ISLAND.														
Block Island	21	— 4	— 4	6	25	31	45	52	49	42	33	14	— 3	— 4
Providence	24	— 8	— 9	4	22	34	46	50	48	34	20	11	— 6	— 9
CONNECTICUT.														
Colchester	22	— 9	—10	2	18	26	38	42	42	28	23	8	—10	—10
Cream Hill	11	—15	—12	— 3	15	23	37	45	53	27	21	5	—15	—15
Hartford	23	—20	—11	— 1	16	23	37	44	41	28	19	6	—12	—20
Middletown	17	—15	—14	— 2	19	25	38	45	43	31	17	10	—13	—15
New Haven	36	—14	—11	0	16	30	41	49	45	32	24	2	—10	—14
North Grosvenor Dale	18	—25	—20	— 3	12	24	36	40	37	26	16	2	—13	—25

Average depth of snowfall.

NEW HAMPSHIRE.														
Bethlehem	18	16.9	22.9	19.9	8.1	0.2	....	....	....	...	0.8	11.2	14.0	94.0
Concord	38	18.9	19.1	14.8	4.4	....	....	....	....	....	0.1	6.5	14.7	78.5
Hanover	23	17.9	19.5	12.0	4.1	....	....	....	....	....	....	5.5	12.2	71.2
Keene	16	15.1	18.7	11.2	1.2	....	....	....	....	....	....	4.9	14.0	65.1
Nashua	24	17.2	18.0	13.7	3.6	....	....	....	....	....	....	4.4	12.5	69.4
Plymouth	21	21.2	20.8	15.5	4.4	....	....	....	....	....	....	5.1	17.8	84.8
Stratford	9	15.6	16.9	9.1	2.1	....	....	....	....	....	0.3	9.2	14.6	67.8
VERMONT.														
Burlington	25	17.9	14.9	15.5	2.6	....	....	....	....	....	T.	7.8	12.3	71.0
Cornwall	23	13.9	17.2	12.5	0.9	....	....	....	....	....	T.	7.8	11.3	63.6
Enosburg Falls	17	22.1	29.7	19.4	3.0	0.1	....	....	....	....	.02	13.2	18.8	*
Jacksonville	23	23.4	27.3	20.1	6.2	....	....	....	....	....	0.7	8.0	24.9	†
Northfield	22	21.0	21.0	20.0	4.0	1.0	....	....	....	....	T.	8.0	15.0	90.0
St. Johnsbury	15	19.9	18.7	14.3	1.8	....	....	....	....	....	....	7.6	14.1	76.4
Wells	16	16.0	18.5	14.6	1.6	....	....	....	....	....	....	6.7	11.2	68.6
Woodstock	16	24.0	24.3	19.2	2.3	....	....	....	....	....	T.	7.5	15.8	93.1
MASSACHUSETTS.														
Amherst	20	13.0	15.4	9.2	1.8	....	....	....	....	....	....	2.0	10.7	52.1
Boston	36	11.9	11.9	7.6	2.7	....	....	....	....	....	...	2.5	8.8	45.4
Fitchburg	26	14.9	17.3	11.6	2.0	....	....	....	....	....	....	3.5	12.2	61.5
Lawrence	25	15.9	16.8	10.2	2.4	....	....	....	....	....	....	2 6	10.2	58.1
Nantucket	23	5.5	8.8	4.9	0.5	....	....	....	....	....	T.	0.9	5.5	26.1
Springfield	17	15.2	16.4	11.4	2.6	....	....	....	....	....	...	3.4	9.0	58.9
Turners Falls	5	19.4	14.0	11.8	2.8	....	....	....	....	....	....	3.4	9.8	61.2
Williamstown	20	13.2	14.0	11.5	2.2	....	....	....	....	....	....	3.3	10.6	54.8
RHODE ISLAND.														
Block Island	16	6.1	7.2	4.8	1.2	....	....	....	....	....	....	0.8	4.0	24.1
Providence	24	12.7	14.3	6.9	1.7	....	....	....	....	....	T.	3.4	8.0	47.0
CONNECTICUT.														
Colchester	22	11.8	14.5	6.5	2.0	....	....	....	....	....	....	4.7	12.0	51.5
Cream Hill	11	18.2	20.4	12.3	5.6	....	....	....	....	....	0.5	7.1	11.7	75.8
Hartford	20	13.8	12.7	6.5	1.2	....	....	....	....	....	....	3.1	9.9	47.2
Middletown	17	12.9	15.1	9.1	2.1	...	....	....	....	....	....	4.5	8.0	51.7
New Haven	24	10.0	11.2	8.1	1.3	T.	....	....	....	....	T.	3.3	6.4	40.3

*106.5 †110.6

Mean relative humidity.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs	%	%	%	%	%	%	%	%	%	%	%	%	%
Northfield, Vt	14	79	76	76	70	72	75	77	83	84	82	80	79	78
Boston, Mass	14	72	71	68	66	71	72	71	75	77	75	75	71	72
Nantucket, Mass	14	79	79	81	82	84	86	86	86	83	81	80	80	82
Block Island, R. I	14	76	76	79	81	86	87	87	87	83	80	78	75	81
New Haven, Conn	14	75	73	72	71	76	77	78	79	81	78	77	75	76

NOTE.—From observations taken at 8 a. m. and 8 p. m.

Direction of prevailing wind.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
NEW HAMPSHIRE.	Yrs													
Bethlehem	18	sw.	w.	w.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	w.	sw.	sw.
Concord	38	w.	nw.	nw.	w.	sw.	w.	w.	nw.	nw.	nw.	nw.	nw.	nw.
Hanover	24	nw.	nw.	nw.	nw.	nw.	w.	w.	sw.	w.	nw.	nw.	nw.	nw.
Keene	16	nw.	nw.	nw.	nw.	nw.	nw.	sw.	nw	nw.	nw.	nw.	nw.	nw.
Nashua	24	nw.	nw.	nw.	nw.	nw.	nw.	se.	se.	nw	nw.	nw.	nw.	nw.
Plymouth	21	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.
Stratford	9	w.	w.	w.	w.	w.	w.	w.	sw.	w.	nw.	nw.	nw.	w.
VERMONT.														
Burlington	20	n.	n.	n.	n.	n.	n.	s.	s.	s.	s.	n.	s.	n.
Enosburg Falls	17	w.	w.	w.	w.	w.	w.	s.	w.	w.	s.	w.	s.	w.
Jacksonville	23	nw.	nw.	nw.	sw.	nw.	nw.	nw.	nw	nw.	nw.	nw.	nw.	nw.
Northfield	22	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.	s.
St. Johnsbury	15	nw.	nw.	nw.	nw	nw.	s.	w.	nw.	s.	s.	n.	n.	nw.
Wells	16	nw	sw.	s.	sw.	sw.	s.	s.	s.	s.	s.	sw.	sw.	s.
MASSACHUSETTS.														
Amherst	20	nw.	nw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	w.	nw.	nw.	nw.
Boston	36	w.	w.	w.	w.	sw.	sw.	sw.	sw.	sw.	w.	nw.	w.	w.
Fitchburg	26	w.	w.	w.	w.	nw	w.	w.	w.	w.	w.	w.	w.	w.
Lawrence	25	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.	nw.
Nantucket	23	nw.	nw	nw.	sw.	sw.	sw.	sw.	sw.	sw.	ne.	nw.	nw.	sw.
Springfield	17	nw.	nw.	nw.	nw.	w.	w.	w.	w.	nw.	nw.	nw.	nw.	nw.
Williamstown	23	w.	w.	w.	nw.	w.	sw.	sw.	w.	w.	w.	w.	w.	w.
RHODE ISLAND.														
Block Island	21	nw.	nw.	nw.	sw.	sw.	sw.	sw.	sw.	sw.	ne.	nw.	nw.	nw.
CONNECTICUT.														
Colchester	22	w.	w.	w.	sw.	sw.	sw.	w.	w.	w.	w.	w.	w.	w.
Cream Hill	11	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.	w.
Hartford	23	nw.	nw.	nw.	w.	w.	nw.	sw.	sw.	w.	nw.	nw.	nw.	nw.
Middletown	17	w.	w.	w.	w.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	w.	sw.
New Haven	36	n.	n.	nw.	nw.	s.	s.	s.	s.	sw.	n.	n.	n.	w.
North Grosvenor Dale	18	w.	w.	sw.	w.	sw.	sw.	sw.	sw.	sw.	sw.	w.	w.	sw.

Frost data.

Stations.	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
NEW HAMPSHIRE.	Yrs.				
Bethlehem	18	Sept. 19	May 22	Aug. 22	June 30.
Concord	38	Sept. 30	May 7	Sept. 6	May 30.
Hanover	24	Sept. 25	May 18	Sept. 6	May 30.
Keene	16	Sept. 20	May 16	Sept. 6	Ma 31.
Nashua	24	Sept. 10	May 5	Aug. 22	May 31.
Plymouth	21	Sept. 26	May 17	Sept. 7	June 7.
Stratford	9	Sept. 20	May 23	Sept. 6	June 11.
VERMONT.					
Burlington	20	Oct. 10	May 20	Sept. 6	May 27.
Cornwall	15	Oct. 5	May 5	Sept. 21	May 22.
Enosburg Falls	17	Sept. 20	May 16	Sept. 5	June 10.
Jacksonville	23	Sept 18	May 19	Aug. 27	June 6.
Northfield	22	Sept. 16	May 13	Aug. 27	June 7.
St. Johnsbury	15	Sept. 25	May 16	Sept. 15	May 26.
Wells	16	Sept. 26	May 11	Sept. 15	May 25.
Woodstock	16	Sept. 18	May 21	Sept. 6	June 9.
MASSACHUSETTS.					
Amherst	20	Oct. 8	May 7	Sept. 16	May 22.
Boston	36	Oct. 22	April 20	Sept. 30	May 11.
Fitchburg	26	Oct. 12	April 28	Sept. 14	May 19.
Lawrence	25	Oct. 16	April 27	Sept. 24	May 11.
Nantucket	23	Nov. 5	April 10	Oct. 1	April 21.
Springfield	17	Oct. 8	May 1	Sept. 16	May 20.
Turners Falls	14	Oct. 1	May 1	Sept. 18	May 10.
Williamstown	23	Sept. 28	May 10	Sept. 16	May 25.
RHODE ISLAND.					
Block Island	21	Nov. 16	April 12	Nov. 3	May 11.
Providence	24	Oct. 22	April 15	....	June 2.
CONNECTICUT.					
Colchester	22	Sept. 30	May 6	Sept. 25	May 14.
Cream Hill	11	Sept. 26	May 1	Sept. 20	May 12.
Hartford	23	Oct. 10	April 28	Sept. 19	May 12.
Middletown	17	Oct. 2	April 27	Sept. 19	May 12.
New Haven	36	Oct. 17	April 20	Sept. 28	May 17.
North Grosvenor Dale	18	Oct. 4	April 26	Sept. 20	May 10.

HYDROGRAPHIC DATA.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY.

By R. H. BOLSTER, *Assistant Engineer.*

PRELIMINARY NOTE: Only the broader facts concerning the water power and the slope and flow of rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

The two principal drainages in this section are Merrimac River on the east and Connecticut River in the central and western portions. There are many minor coastal streams, such as the Saco, Blackstone and Housatonic rivers. The northwestern portion of the section drains into Lake Champlain. The upper portion of the Merrimac River basin lies partly in the White Mountain region. It is very rough and precipitous and is largely forested. The drainage basin is well supplied with natural storage. The lake and pond area is 183 square miles, of which Lake Winnipesaukee forms 72 square miles. The Merrimac is one of the most noted rivers of the country for the development of water power. Lawrence, Lowell and Manchester are great industrial centers, largely devoted to cotton and woolen manufactures that owe their location to the excellent water power available at their sites. Water from 212 square miles in the Nashua, Sudbury, and Lake Cochituate drainages is permanently diverted for the supply of the metropolitan district adjacent to Boston. The main river is navigable to Haverhill, and for small boats to Lawrence. The headwaters are affected by rigorous winter conditions.

Connecticut River has its source in the Connecticut Lakes in northern New Hampshire. Its extreme headwaters, however, lie in the province of Quebec. It is the largest river in New England, except the St. John. Natural facilities for storage are not so great as in the more eastern drainages. Opportunities for the construction of artificial reservoirs are, however, numerous. There is a great amount of power that has not been developed in this basin. Frozen conditions are very variable. There is a difference of about a month in the time of beginning of the spring season in the lower portion of the river and its headwaters, and this tends to diminish the severity of floods from melting snow, and equalize the spring run-off. The upper portion, also, usually remains frozen throughout the winter period, while the lower portion is liable to frequent thaws during the winter. The river is navigable to Hartford and as far as Holyoke for smaller boats.

Monthly discharge of Androscoggin River at Shelburne, N. H., for periods April–May, 1904–6; June–November, 1903–6.

[Drainage area, 1,500 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
April	8,100	1,100	3,400	2.27
May	12,800	2.680	7,510	5.01
June	12.000	1,050	3,210	2.14
July	10,800	740	1,930	1.29
August	6,670	740	1,670	1.11
September	2,680	1,160	1,660	1.11
October	3,100	1,160	1,690	1.13
November	2,480	1,100	1,530	1.02

Monthly discharge of Merrimac River at Lawrence, Mass., for period 1897–1908.

[Drainage area, 4,452 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	26,500	82	5,780	1.30
February	53,000	410	6,140	1.38
March	61,200	430	15,300	3.44
April	62,500	6,640	19,600	4.40
May	46.300	653	10,400	2.34
June	40,900	562	7,870	1.77
July	41,500	128	4,010	0.901
August	11,300	78	3,300	0.742
September	20,900	36	3,780	0.849
October	22,300	50	3,720	0.836
November	19,800	277	4,540	1.02
December	41,500	154	6,290	1.41
Mean for the entire period	62,500	36	7,560	1.70

NOTE.—This summary gives net yield of the Merrimac at Lawrence after deducting the diversions for Boston water supply.

Monthly discharge of Pemigewassett River at Plymouth, N. H., for periods January–March, 1907–8; April–November, 1899–1908; December, 1903–5, and 1907–8.

[Drainage area, 615 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	2,900	....	650	1.06
February	19.300	....	885	1.44
March	10,800	525	1,500	2.44
April	19,600	350	5,060	8.23
May	16,100	305	3,390	5.51
June	10,900	209	1,200	1.95
July	4,590	120	649	1.06
August	6,960	132	582	0.946
September	9,570	120	683	1.11
October	18,600	120	1,020	1.66
November	18,000	182	1,030	1.67
December	19,600	215	920	1.50
Mean for the entire period	19,600	....	1,460	2.38

Monthly discharge of Sudbury River at Framingham, Mass., for period 1875–1908.

[Drainage area, 75.2 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	....	....	144	1.92
February	....	....	203	2.70
March	....	....	337	4.48
April	....	....	239	3.18
May	....	....	128	1.71
June	....	....	60.8	.809
July	....	....	21.8	.290
August	....	....	38.4	.410
September	....	....	30.4	.404
October	....	....	56.2	.747
November	....	....	98.5	1.31
December	....	....	124	1.65
Mean for the entire period	....	....	123	1.63

Monthly discharge of Connecticut River at Oxford, N. H., for periods January to March, 1901–4, and 1906; April to November, 1901–6; December, 1901–4, and 1906.

[Drainage area, 3,300 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	21,600	620	3,630	1.10
February	8,470	680	2,770	0.839
March	32.400	1,160	10,100	3.06
April	28,500	4,300	12,900	3.91
May	24,400	1,460	9,530	2.89
June	14,300	1,100	5,150	1.56
July	16,700	815	3,040	0.921
August	7,990	905	2,890	0.876
September	10,300	640	2,810	0.852
October	16.000	860	3,130	0.948
November	9,440	1,050	2,730	0.827
December	5,600	1,500	3,260	0.988
Mean for the entire period	32,400	620	5,160	1,56

Monthly discharge of Connecticut River at Sunderland, Mass., for periods April to November, 1904–6; December, 1905.

[Drainage area, 7,700 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
April	87,900	18,400	37,100	4.82
May	64,900	7,630	24,600	3.19
June	35,500	4,080	11,200	1.45
July	21,600	2,500	6,740	0.875
August	26,100	2,280	6,350	0.825
September	40,900	1,850	10,400	1.35
October	26,500	1,630	8,440	1.10
November	15,100	3,520	7,370	0.957
December	36,310	9,610	15,000	1.95

Monthly discharge of Housatonic River at Gaylordsville, Conn., for periods January 1901–3. and 1905–8; February, 1901–3, and 1906–8; March–December, 1901–8.

[Drainage area, 1,020 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	10,200	501	2,380	2.33
February	25,700	303	2,310	2.29
March	31,000	451	4,850	4.75
April	12,400	1.610	3,880	3.80
May	5,940	584	2,150	2.11
June	7,090	478	1,870	1.83
July	5,810	328	7,160	7.02
August	5,690	305	1,020	1.00
September	7,090	130	1,120	1.10
October	16,100	147	1,750	1.72
November	11,200	130	1,590	1.56
December	12,600	147	2,120	2.08
Mean for the entire period	31,000	130	2,690	2.63

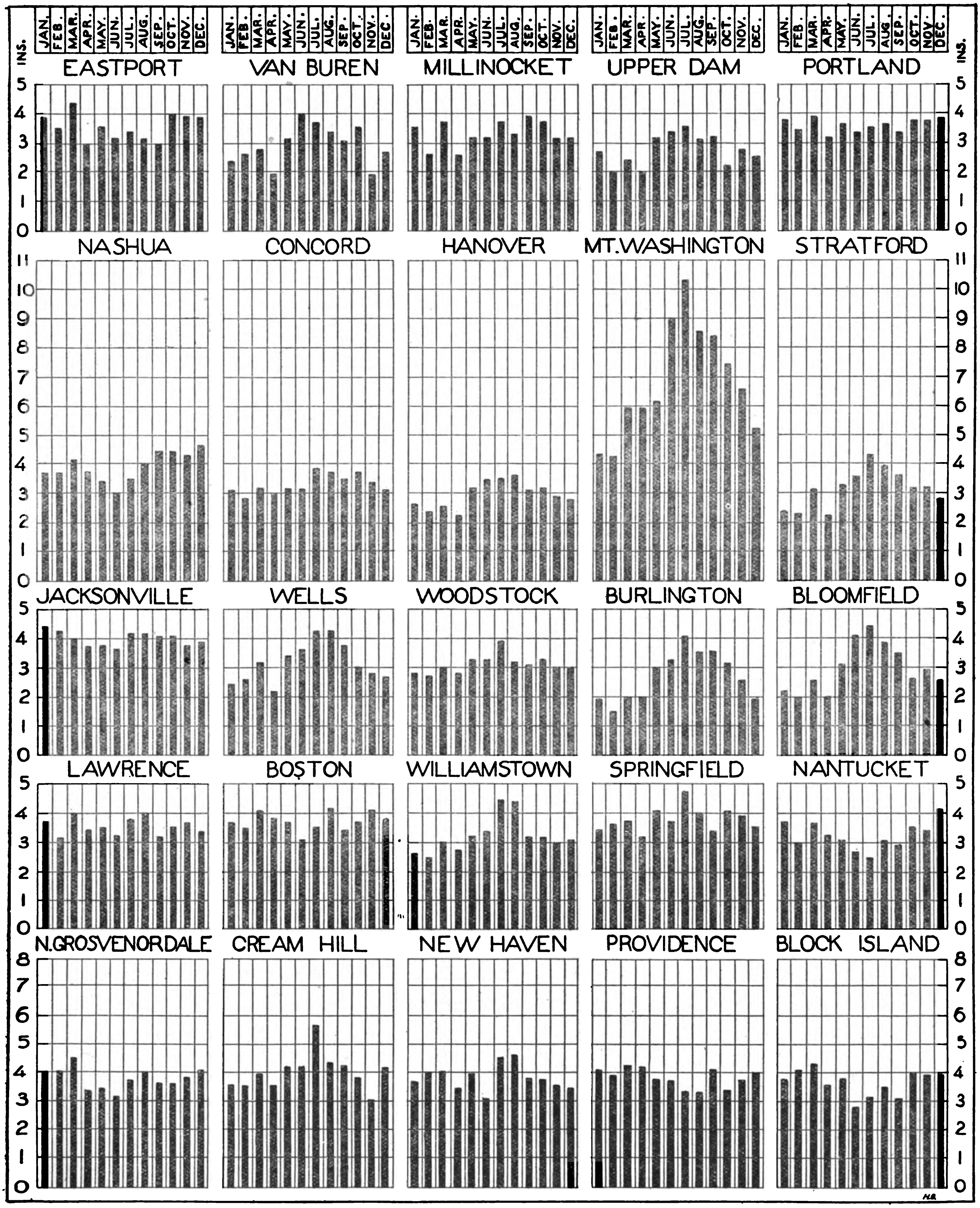


FIG. 1.—Chart showing the comparative monthly distribution of precipitation.

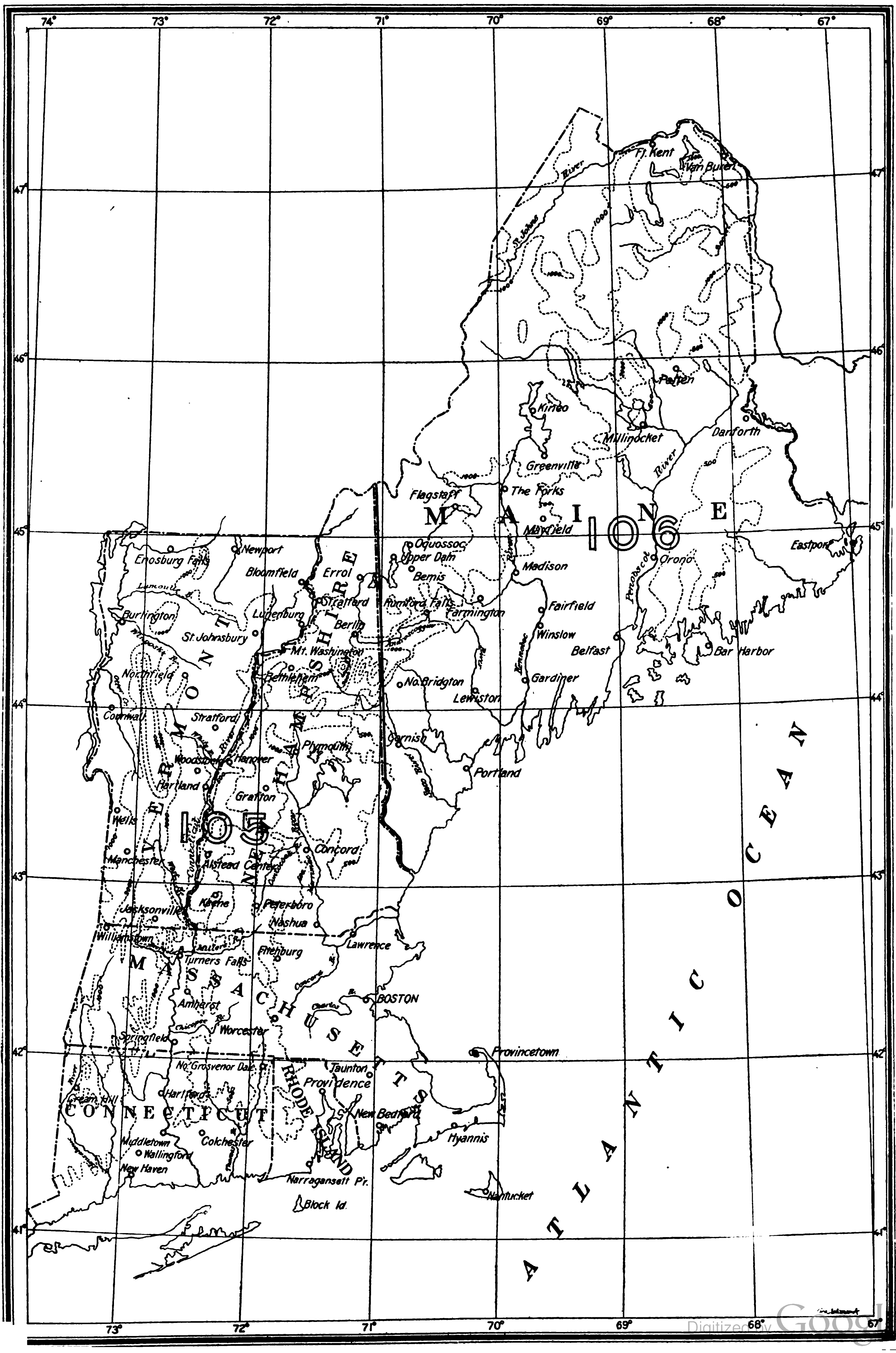


Fig. 2.—Chart showing the boundaries of sections, location of principal reporting stations, drainage basins, and general elevation above sea level of New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

WILLIS L. MOORE, Chief.

SUMMARY OF THE CLIMATOLOGICAL DATA FOR THE UNITED STATES, BY SECTIONS.

By the Climatological Division, P. C. DAY, Acting Chief of Division.

SECTION 106.—MAINE.

INTRODUCTORY REMARKS.

Maine occupies the most northeastern part of the United States, and covers an area of about 30,000 square miles. While there are no well defined ranges of mountains, except on the western and northwestern border, there are a number of detached peaks and mountains which reach a maximum elevation of 5,385 feet at Mount Katahdin. The coast line is very irregular with many rocky islands, and is much indented by the waters of the ocean. A large portion of the interior of the State is covered by forest, and there are many lakes, ponds, rivers and smaller streams. The largest lakes are the Moosehead and the Rangeley. The principal rivers are the Kennebec, Penobscot, Androscoggin, Presumpscot, Saco, St. Croix and St. John. These streams, with their tributaries, furnish a large and valuable water power. In connection with the importance of water storage and power, a brief description of the drainage basins of these rivers, from the reports of the United States Geological Survey, is considered of value, and will be found at the end of the tables.

CLIMATIC CHARACTERISTICS.

The climate of New England, like the topography, presents numerous interesting and varied features, and while it is chiefly of the continental type, it does, however, over a small portion of the territory, particularly in the islands of Nantucket and Martha's Vineyard, where the meteorological conditions are materially modified by the waters of the Atlantic Ocean, partake of the marine climate. The geographical position, the pronounced physical features, and the location of the district with regard to storm travel, are the controlling factors of the climate. The passage over or adjacent to New England of areas of low and high barometric pressure is productive of manifold and radical changes in the daily weather conditions that go to make up the climate of the several seasons. As these cyclones and anticyclones in their passage from west to east traverse the land areas of the interior country, the attending weather conditions are mainly of the continental variety. The low-pressure areas (cyclones) cause unsettled weather, light or heavy precipitation, moderate or marked temperature changes, and fresh winds to destructive gales, according to the intensity of the disturbance. The areas of high pressure (anticyclones), with accompanying fair or clear skies, dryer atmosphere and lower temperatures, are the producers and distributors of fine weather. The low and high-pressure areas pass over or near New England, alternating on an average of once in three to four days throughout the year. They are, however, more frequent, better defined, and as a rule of greater intensity in winter than during other seasons of the year.

The marked temperature changes that sweep over New England at times during all seasons, but most frequently in the winter months, are determined by the paths and the intensity of the high and low-pressure areas. When low areas pass to the south of the district and thence north along the coast, they are productive of lower temperatures, and with other conditions favorable, they at times result in intense cold waves during the winter months. With low areas moving directly over New England or to the westward of it and thence down the St. Lawrence valley, the temperatures are higher and often the weather unseasonably warm, even in midwinter. The warm spells of winter and the heated terms of summer, with the muggy, oppressive atmosphere that is occasionally characteristic of the latter season, occur with this type of storm.

The climate of Maine, as indicated by its geographical position, is of the northern type. The seasons are very unevenly divided, the winters being long, beginning early in November and continuing well into or through March. The other seasons are consequently short. Winter, at times, begins rather abruptly in November with storms of much intensity that produce heavy falls of snow, and winds of great force and violence along the coast and over adjacent waters. The weather increases in severity as the season advances, and as a rule, the winter climax is reached in February. The heavy snowfall often impedes travel, and at times, railroad and other traffic is temporarily blockaded. The high winds and gales delay and imperil shipping and occasionally result in much loss of life and destruction of property. The summers are short, with occasional sharp contrasts in the daily temperatures, but generally speaking, delightfully pleasant, with abundant sunshine, and in coast sections, a prevalence of cool sea breezes. The fall is often delightful beyond description. The average annual temperature of the State is 43.6°. It varies in individual sections from 42.0°, at Eastport and Mayfield, to 46.0°, at Portland. The annual minimum temperature ranges from —17 to —37°, and the annual maximum from 93 to 101°. The minimum temperature falls to 32°, or below, on an average of 144 days annually, and the maximum rises to 90°, or above, on an average of three days each year. The average date of the first killing frost is from September 12 to October 18. Killing frosts have, however, occurred as early as August 1, but infrequently. Light frosts occur in favorable localities at times in all the summer months.

The annual precipitation is 44.70 inches. The annual averages in the various sections range from 35.30 inches, at Fairfield, to 52.00 inches, at Mayfield. The precipitation is quite evenly distributed through the several seasons. It averages 11.50 inches in the winter and 11.00 inches in summer. From November to March it is chiefly in the form of snow, except in individual storms, when heavy, warm rains occur in coast sections. The snow accumulates to depths of several feet during the winter, particularly in the wooded sections and protected places. The water equivalent of this is many inches, and at times, the snow is rapidly melted by warm rains and results in floods and freshets in the rivers and streams. The annual average snowfall is 81.3 inches, and the range is from 69.0 inches, at Gardiner, to 98.6 inches, at Cornish. There are snowfalls in substantial amounts, though rather rarely, as early as October and as late as May. The maximum monthly fall is usually in February.

The prevailing winds are westerly, but easterly winds are most prevalent in April and May.

The average annual sunshine is about 54 per cent. It is 52 per cent in winter, and 58 per cent in summer, and the monthly maximum is 60 per cent in August.

The Maine climate, as a whole, is healthful and invigorating.

J. W. SMITH, *Section Director.*

Precipitation in Maine. Monthly, annual, and average amounts (in inches and hundredths).

[Figures in bold-face type estimated from surrounding stations.]

VAN BUREN, AROOSTOOK CO., ME.—Elevation, 510 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1902..	......	......	......	2.17	4.42	6.54	3.48	2.69	5.64	5.51	2.24	2.75	.....
1903..	2.70	3.81	4.65	2.25	1.56	2.03	4.71	3.05	1.12	2.57	2.05	2.51	33.01
1904..	2.76	2.19	3.28	2.21	5.04	2.74	4.85	2.16	5.10	2.86	0.64	1.43	35.26
1905..	1.42	1.61	0.78	1.08	3.26	3.27	2.54	0.15	2.20	1.14	1.60	2.60	21.65
1906..	1.40	1.45	......	1.60	1.90	4.50	2.50	6.00	3.50	6.30	2.10	3.80	.....
1907..	2.80	1.80	3.20	2.30	0.90	6.20	5.90	4.40	3.70	2.87	3.00	4.70	41.77
1908..	2.55	4.90	2.10	2.00	5.10	2.80	1.80	5.45	0.75	3.60	......	1.00	.....
M'ns	2.27	2.63	2.80	1.94	3.17	4.01	3.68	3.41	3.14	3.55	1.94	2.68	35.22

RUMFORD FALLS, OXFORD CO., ME.—Elevation, 505 feet.

1894..	2.40	1.85	1.57	1.20	5.55	3.20	5.15	4.20	4.35	3.95	4.25	2.70	40.37
1895..	3.50	0.60	1.06	5.60	4.40	2.30	2.15	3.10	2.05	1.60	5.40	5.71	37.47
1896..	1.10	6.65	10.00	1.65	2.75	1.75	2.90	3.45	4.40	3.20	3.70	0.95	42.50
1897..	3.90	3.15	4.05	3.68	4.24	5.85	9.34	2.68	1.97	0.66	5.63	3.73	48.88
1898..	5.57	8.49	1.08	2.87	2.65	5.20	2.85	4.99	3.96	4.52	5.00	2.15	49.33
1899..	2.38	4.26	5.89	1.50	1.15	2.56	4.71	0.64	3.00	2.05	1.94	1.95	32.03
1900..	5.80	7.96	5.82	1.21	4.57	3.35	4.35	2.42	2.31	3.91	7.22	1.15	50.07
1901..	2.77	0.74	4.05	7.91	6.54	3.84	4.91	3.47	2.59	3.48	1.76	5.53	47.59
1902..	1.76	2.19	3.12	3.31	5.32	4.45	2.31	3.86	3.88	4.14	1.47	4.60	40.41
1903..	3.51	3.89	4.09	1.51	0.18	5.25	6.01	2.96	1.21	2.69	0.98	3.63	35.91
1904..	2.88	1.41	2.51	5.72	3.89	2.42	2.34	4.10	4.75	2.76	1.43	1.51	35.72
1905..	3.90	1.11	2.08	2.11	2.33	4.15	4.61	2.85	4.21	1.51	2.92	2.98	34.76
1606..	2.01	1.68	2.79	1.69	4.22	5.07	6.83	3.47	1.01	4.79	2.68	3.39	39.63
1907..	1.67	1.52	2.90	3.88	1.84	3.03	3.53	1.22	6.34	5.17	5.14	2.86	39.10
1908..	2.84	4.08	1.95	1.73	5.90	1.42	2.30	3.62	1.26	1.96	1.48	2.38	30.92
M'ns	3.07	3.31	3.53	3.04	3.70	3.59	4.29	3.14	3.15	3.09	3.40	3.01	40.32

EASTPORT, WASHINGTON CO., ME.—Elevation, 53 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1833..	3.60	1.00	2.50	4.30	4.70	4.60	3.70	6.65	1.40	5.20	2.80	2.55	43.00
1834..	1.70	0.90	2.00	2.00	4.30	3.40	1.70	5.00	3.00	7.20	3.50	2.50	37.20
1835..	.....	.....	......	......	......	.....	......	......	......	.....	......	......	.....
1836 1871	......	.....	......	......	......	......	......	......	......	......	......	......	.....
1872..	......	......	......	......	......	......	......	......	......	.....	......	......	.....
1873..	.....	......	......	4.40	2.42	3.13	4.46	2.40	4.37	7.38	5.32	1.56	.....
1874..	2.70	2.36	3.02	3.09	4.71	6.82	3.27	5.13	3.67	1.73	4.12	1.94	42.56
1875..	0.89	3.93	1.39	1.80	2.90	5.86	6.61	4.29	5.21	7.50	3.93	1.11	45.42
1876..	2.94	7.70	9.39	3.10	3.42	2.09	2.82	2.62	6.53	4.28	7.97	5.13	57.99
1877..	3.42	1.34	8.83	5.47	2.60	2.19	3.36	5.85	1.73	4.67	8.20	2.96	50.62
1878..	7.05	1.89	6.07	5.54	2.49	5.65	5.87	3.74	2.54	3.28	2.97	4.28	51.37
1879..	1.65	3.39	3.78	3.95	3.18	3.42	5.57	3.66	3.42	3.28	4.52	3.67	43.49
1880..	4.29	3.99	4.08	2.97	2.55	1.64	3.45	1.48	4.28	5.11	5.07	3.53	42.44
1881..	1.64	4.11	6.78	1.66	13.22	4.47	3.73	3.64	2.80	4.31	3.37	6.25	55.98
1882..	3.70	4.94	7.54	3.03	3.30	6.53	4.80	1.41	4.77	2.89	1.47	2.80	47.15
1883..	3.20	3.63	3.61	2.25	6.60	5.23	9.07	0.49	2.49	8.41	3.76	4.43	53.17
1884..	4.37	9.38	3.74	6.83	6.79	2.18	8.48	4.41	1.89	1.88	5.95	8.63	64.53
1885..	3.86	2.95	5.94	5.35	4.79	4.64	1.99	4.26	3.64	5.96	4.78	5.90	54.06
1886..	9.01	3.25	2.28	1.14	3.49	0.66	1.73	2.41	2.73	......	......	6.51	.....
1887..	7.78	3.73	4.46	2.92	2.57	6.01	4.51	3.56	1.05	2.45	2.32	5.59	46.96
1888..	5.08	4.81	4.26	2.01	2.74	1.94	3.46	4.50	5.44	7.95	6.70	4.36	53.25
1889..	3.44	4.13	4.06	3.19	2.20	2.85	3.69	2.00	2.52	5.02	4.60	4.56	42.26
1890..	3.76	4.58	5.85	1.95	6.19	2.77	1.97	5.35	4.86	2.28	2.84	2.62	45.02
1891..	5.50	3.13	2.75	1.37	1.64	3.00	2.61	4.06	2.65	4.43	2.31	2.99	36.44
1892..	5.76	1.88	3.60	1.51	2.17	3.54	1.21	4.64	1.21	1.49	3.17	2.02	32.20
1893..	2.08	3.26	1.35	1.94	1.91	1.85	2.61	4.04	1.93	1.83	0.99	6.08	29.87
1894..	2.00	1.28	1.19	2.11	1.69	3.37	1.21	1.32	1.46	2.42	2.62	2.17	22.84
1895..	2.70	1.93	2.90	2.29	1.29	1.46	3.17	4.83	2.00	1.15	6.41	2.75	32.88
1896..	0.84	2.77	2.72	0.86	1.00	2.71	4.24	1.07	3.67	6.27	3.69	1.70	31.54
1897..	3.14	1.45	4.03	3.35	7.88	3.32	2.78	2.79	1.82	0.61	5.79	2.61	39.57
1898..	5.41	6.37	2.65	3.80	2.14	3.09	0.66	2.15	2.93	6.85	6.12	2.99	45.16
1899..	3.86	3.35	5.48	0.89	3.92	2.58	1.78	0.53	2.03	1.92	3.68	3.42	36.44
1900..	5.27	4.51	4.97	2.47	5.18	4.00	1.37	2.58	1.52	8.26	4.40	2.82	47.35
1901..	4.80	1.65	4.88	5.58	3.29	5.45	0.91	2.48	2.92	1.72	1.91	6.02	41.62
1902..	3.41	3.06	9.11	2.16	3.85	2.51	1.05	3.23	2.43	3.36	1.47	5.77	41.41
1903..	3.85	4.01	4.98	3.33	2.52	1.69	3.85	1.14	1.62	2.83	3.59	3.26	36.67
1904..	3.04	3.97	4.95	3.36	2.23	1.29	2.10	6.10	5.36	2.54	1.54	2.41	38.89
1905..	4.14	2.77	1.10	0.83	2.64	3.03	2.62	1.76	4.32	0.47	4.29	3.91	31.88
1906..	3.36	2.30	6.32	3.51	5.63	1.46	2.01	1.79	0.78	3.64	3.56	5.13	39.49
1907..	5.05	4.59	3.17	4.54	1.84	1.57	4.32	2.43	4.41	4.71	2.85	4.94	44.42
1908..	4.17	3.71	3.96	2.64	2.58	1.01	1.95	3.32	1.60	4.09	1.52	5.01	35.56
M'ns	3.85	3.46	4.32	2.99	3.65	3.24	3.39	3.24	2.97	4.04	3.89	3.86	42.90

FORT KENT, AROOSTOOK CO., ME.—Elevation, 532 feet.

1844..	......	......	......	......	......	......	.....	......	1.36	4.41	3.86	3.36	.....
1845..	3.75	2.60	1.77	1.06	2.63	1.36	7.72	2.57	......	......	......	......	.....
1846 1892	......	......	......	......	......	......	......	......	......	......	.....	......	.....
1893..	1.82	0.98	0.74	1.20	2.72	2.31	......	5.27	3.73	2.30	1.13	3.69	.....
1894..	1.85	0.50	1.60	1.20	1.09	4.09	......	......	......	......	......	......	.....
M'ns	2.47	1.36	1.37	1.15	2.15	2.59	......	3.92	2.54	3.36	2.50	3.52	.....

THE FORKS, SOMERSET CO., ME.—Elevation, 580 feet.

1901..	......	......	......	......	......	......	......	......	......	3.31	2.60	8.65	.....
1902..	3.50	3.35	5.29	3.20	4.62	6.42	2.92	3.43	5.39	3.40	2.30	3.10	46.92
1903..	2.30	3.63	4.42	1.35	0.61	4.36	4.58	3.24	0.91	1.60	1.73	2.97	31.70
1904..	2.95	1.40	1.95	3.70	5.08	4.64	7.53	2.69	6.82	2.23	1.34	1.58	41.91
1905..	3.39	1.11	1.30	1.68	3.58	4.33	3.37	1.86	3.47	1.24	2.90	2.40	30.63
1906..	2.24	2.05	4.20	2.18	3.13	3.07	4.56	2.57	3.79	5.98	2.61	2.82	39.20
1907..	1.78	2.15	2.96	5.23	2.42	4.21	8.08	2.62	5.75	4.63	4.76	2.02	46.61
1908..	2.02	3.74	2.10	2.22	4.42	2.80	4.61	3.01	1.00	2.28	2.22	2.60	33.02
M'ns	2.60	2.49	3.17	2.79	3.41	4.26	5.09	2.77	3.88	3.08	2.56	3.28	39.38

FAIRFIELD, SOMERSET CO., ME.—Elevation, 90 feet.

1886..	.....	3.61	1.75	1.36	3.04	1.04	1.71	2.06	4.76	1.83	5.08	2.26	.....
1887..	2.39	2.62	2.05	3.64	0.41	2.84	8.77	2.98	1.11	1.93	3.48	3.44	35.66
1888..	1.91	3.27	3.84	1.07	3.18	.....	3.60	3.56	6.75	5.44	......	3.11	.....
1889..	2.91	2.12	3.09	1.06	2.54	4.25	3.11	1.74	1.95	3.57	5.13	4.26	35.73
1890..	2.55	3.31	4.61	1.71	7.79	2.97	3.81	3.57	3.85	3.45	2.06	3.39	43.07
1891..	6.12	2.23	4.75	1.97	2.26	2.03	4.63	4.00	2.06	1.38	2.14	4.56	38.13
1892..	3.38	2.28	1.82	0.80	2.67	5.79	1.78	5.58	3.27	1.37	3.16	1.10	33.00
1893..	1.62	2.77	2.49	2.13	3.42	0.99	2.27	2.90	2.12	4.89	0.86	2.36	28.82
1894..	2.43	1.03	0.86	0.72	3.78	2.97	2.56	3.50	3.82	2.41	2.02	1.82	27.92
1895..	2.23	0.34	1.58	3.50	1.83	1.96	3.08	2.59	1.11	1.58	5.47	3.77	29.04
1896..	0.31	2.95	5.62	1.28	2.33	1.91	3.21	3.83	5.10	2.00	2.35	1.17	32.06
1897..	3.31	1.00	2.63	2.40	4.47	3.39	3.52	2.82	2.54	0.53	3.98	3.06	33.65
1898..	5.07	6.48	1.45	2.31	1.55	3.32	1.13	3.71	2.37	4.33	3.71	1.42	36.85
1899..	2.76	2.73	3.66	1.05	2.05	1.39	5.13	0.46	3.58	1.11	2.32	1.93	28.17
1900..	5.89	7.00	4.75	1.63	5.18	4.08	3.40	1.76	2.55	4.05	4.55	2.19	47.03
1901..	2.74	1.95	5.22	3.96	2.35	1.64	2.99	3.39	3.79	2.77	2.19	7.98	40.97
1902..	2.25	1.54	7.76	2.41	2.54	4.04	2.22	4.06	1.86	4.01	1.03	4.68	38.40
1903..	3.94	3.39	6.35	1.95	0.37	3.56	......	......	......	......	1.06	2.70	.....
1904..	3.21	1.65	3.78	5.75	4.75	2.32	2.69	4.39	5.58	2.05	1.61	1.44	30.22
1905..	3.78	0.99	0.88	2.15	2.22	3.49	3.65	1.43	2.45	0.38	3.80	3.19	28.41
1906..	2.59	2.52	......	3.69	3.55	3.29	5.32	4.78	1.55	5.38	2.63	3.55	.....
1907..	3.19	2.65	1.43	3.49	2.62	2.95	5.36	1.32	5.23	2.34	3.66	2.65	36.92
1908..	1.61	3.68	1.77	1.93	4.52	2.17	2.41	3.05	0.56	3.64	1.15	2.07	28.56
M'ns	3.01	2.70	3.28	2.26	3.02	2.84	3.29	3.07	3.04	2.75	2.88	2.96	35.10

BAR HARBOR, HANCOCK CO., ME.—Elevation, 20 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1885..	......	......	......	......	......	......	......	......	......	......	3.88	4.20	.....
1886..	9.29	5.89	3.28	1.07	3.90	1.75	1.51	1.44	2.58	2.58	5.74	3.30	42.33
1887..	8.22	7.29	5.03	4.81	1.11	2.58	3.48	6.61	0.60	3.53	3.85	5.11	52.22
1888..	4.81	4.77	4.02	3.00	3.67	1.53	3.24	4.29	6.36	7.84	7.60	5.98	57.11
1889..	4.83	3.88	4.42	2.81	1.79	2.04	2.07	1.17	1.65	5.86	6.25	5.92	42.69
1890..	3.64	3.64	6.31	1.82	10.81	3.15	0.99	5.93	4.25	3.12	2.59	6.13	52.38
1891..	7.21	4.68	5.18	2.87	1.57	3.73	4.36	2.45	2.15	4.76	3.12	**4.40**	46.48
1892..	......	......	......	1.34	2.25	4.43	1.01	5.09	1.79	1.17	5.11	2.33	.....
1893..	3.34	3.59	1.72	3.64	4.25	2.17	3.57	4.14	3.18	4.66	2.23	7.19	43.68
1894..	3.46	1.47	1.46	1.59	4.33	1.50	1.99	1.65	4.17	4.96	**2.70**	......	.....
1895..	......	......	......	......	1.59	1.63	1.79	2.64	2.29	1.42	9.73	3.08	.....
1896..	1.47	5.50	6.32	1.19	2.96	2.39	6.05	2.90	6.04	5.85	5.10	2.60	48.37
1897..	4.82	2.29	3.54	2.75	6.36	4.00	5.62	8.22	2.33	0.35	9.25	4.35	53.88
1898..	6.45	9.15	2.95	4.85	2.45	3.27	1.70	2.92	3.55	9.25	8.35	3.60	58.49
1899..	5.52	4.05	7.15	1.09	2.25	1.36	6.55	0.75	3.80	3.05	5.65	2.57	13.79
1900..	11.15	6.20	8.57	3.15	6.07	3.52	1.65	1.90	3.15	6.77	5.48	2.43	60.04
1901..	4.83	1.63	10.30	5.81	2.74	3.23	1.63	3.00	3.28	3.45	3.50	9.78	53.18
1902..	4.05	3.83	14.37	3.07	2.52	7.60	1.75	3.24	2.50	5.11	1.79	7.12	56.95
1903..	5.83	5.30	10.05	3.65	1.65	3.23	3.25	0.75	1.68	5.28	3.97	3.35	47.99
1904..	5.37	4.05	5.37	5.02	4.62	1.40	1.72	5.24	9.81	2.55	2.25	3.63	51.03
1905..	5.20	3.20	1.05	0.95	3.20	4.54	3.35	2.56	7.79	2.10	7.22	7.61	48.77
1906..	4.46	2.70	8.10	4.33	4.78	2.25	2.28	0.75	1.40	4.40	4.10	4.55	44.10
1907..	3.00	3.45	2.00	5.30	2.90	4.48	3.05	2.37	5.90	4.90	5.30	5.75	48.40
1908..	5.39	5.88	3.40	3.25	3.75	1.65	3.50	2.23	2.25	5.65	1.69	5.95	44.59
M'ns	5.35	4.40	5.46	3.06	3.54	2.93	2.87	3.14	3.59	4.29	4.85	4.82	48.30

MADISON, SOMERSET CO., ME.—Elevation, 257 feet.

1894..	3.23	2.25	1.70	1.45	4.75	6.00	2.12	3.28	4.81	5.30	......	......	.....
1895 } 1901 }	.....	......	......	......	......	......	......	......	......	......	......	......	.....
1902..	3.91	3.88	11.04	3.62	5.49	7.45	2.29	5.93	3.70	6.61	1.42	4.63	59.97
1903..	4.34	3.98	6.32	1.94	0.23	3.72	5.37	2.30	0.76	2.40	1.17	1.43	33.96
1904..	2.28	1.71	2.79	7.63	6.63	3.36	6.10	7.38	6.34	2.98	1.23	1.55	49.98
1905..	4.08	1.61	2.13	2.59	3.73	4.65	5.75	2.23	5.61	1.13	4.60	3.45	41.56
1906..	4.04	2.99	4.83	4.27	5.12	5.72	4.58	2.02	1.09	6.14	3.02	5.21	49.03
1907..	2.38	2.45	1.84	6.32	2.83	3.89	7.34	2.54	7.49	6.31	6.28	4.35	54.02
1908..	2.75	4.52	2.48	2.56	6.59	1.63	3.91	5.18	1.40	3.51	1.53	2.47	38.53
M'ns	3.38	2.92	4.14	3.80	4.42	4.55	4.68	3.86	3.90	4.30	2.75	3.30	46.00

BELFAST, WALDO CO., ME.—Elevation, 165 feet.

1859..	......	......	......	......	......	......	......	......	4.32	2.27	4.60	6.30	.....
1860..	0.75	1.00	1.20	......	......	......	......	......	......	......	......	......	.....
1861..	4.65	1.35	2.65	......	......	......	......	.....	......	......	......	......	.....
1862..	......	......	.....	2.35	3.00	3.45	......	0.90	3.20	5.20	4.50	2.25	.....
1863..	......	3.30	4.15	4.72	3.40	.....	......	......	......	......	......	......	.....
1864 } 1887 }	......	......	......	......	......	......	.....	......	......	......	......	......	.....
1888..	......	1.30	1.65	1.60	......	......	......	......	......	0.50	1.00	0.60	.....
1889 } 1890 }	......	......	......	......	......	......	......	.....	......	......	......	......	.....
1891..	......	......	......	......	......	3.33	4.16	3.32	1.55	2.97	3.02	5.10	.....
1892..	5.65	2.61	2.77	0.93	2.71	4.50	1.62	5.38	2.70	1.26	4.86	1.70	36.69
1893..	3.99	4.84	2.05	3.21	5.29	2.73	2.99	3.82	4.35	4.48	2.46	7.45	47.66
1894..	4.37	3.65	1.58	1.63	5.86	1.98	4.46	4.72	4.61	5.56	2.52	3.83	44.77
1895..	6.53	1.15	3.06	4.03	2.05	3.19	1.94	1.96	1.43	1.82	7.29	4.63	39.08
1896..	0.98	5.01	7.30	1.18	3.03	2.21	5.19	5.02	10.32	3.25	4.25	1.40	49.14
1897..	3.98	2.32	4.65	2.90	5.02	3.06	3.19	3.92	2.09	0.90	5.75	3.50	41.30
1898..	5.81	11.35	2.48	4.67	1.28	4.69	1.38	2.31	3.17	8.35	5.59	2.96	54.04
1899..	3.73	2.76	5.86	1.79	2.25	2.09	4.73	0.50	4.80	3.03	2.94	2.90	37.38
1900..	5.68	8.19	7.31	2.26	7.18	4.34	......	......	3.05	5.04	5.41	1.68	.....
1901..	4.51	2.16	7.80	6.49	2.09	0.88	3.10	3.64	2.50	3.53	3.11	9.74	49.55
1902..	3.37	2.59	12.70	3.00	1.85	6.38	1.52	4.62	1.84	5.05	1.34	4.90	49.16
1903..	4.96	5.13	8.94	1.45	0.53	3.51	4.12	2.69	0.84	3.99	2.46	4.26	42.88
1904..	4.86	1.84	3.14	5.66	6.51	1.03	1.23	4.66	6.30	2.91	......	......	.....
M'ns	4.25	3.56	4.66	2.95	3.47	3.16	3.05	3.39	3.57	3.54	3.82	3.95	43.37

DANFORTH, WASHINGTON CO., ME.—Elevation, 390 feet.

1902..	......	......	......	......	.....	......	......	......	......	......	0.95	3.71	.....
1903..	2.94	3.92	5.05	2.55	0.65	3.72	4.10	2.46	1.42	3.62	3.59	3.16	37.18
1904..	2.95	2.89	3.48	2.86	4.31	1.76	2.56	3.02	6.23	2.66	2.35	1.51	36.58
1905..	5.75	2.43	1.01	1.40	2.23	1.80	3.48	0.53	3.75	1.00	3.66	3.55	30.59
1906..	3.95	2.22	4.94	4.88	2.40	2.57	2.21	2.79	1.41	4.73	5.56	3.32	40.98
1907..	2.77	5.12	2.87	3.05	1.76	3.59	4.27	4.04	4.13	3.88	3.48	3.06	42.02
1908..	2.91	5.02	2.32	2.60	4.11	1.60	2.93	4.10	1.28	6.81	1.49	2.57	37.74
M'ns	3.54	3.60	3.28	2.89	2.58	2.51	3.26	2.82	3.04	3.78	3.01	2.98	37.29

PORTLAND, CUMBERLAND CO., ME.—Elevation, 99 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1856..	......	1.25	......	......	......	1.55	4.45	6.83	4.89	3.47	2.25	5.15	.....
1857.	6.46	1.68	4.77	5.85	3.42	3.00	5.38	4.93	0.64	7.00	2.39	4.15	49.67
1858..	4.02	2.51	1.67	3.83	3.68	2.15	5.58	4.69	3.81	5.61	1.98	4.92	44.45
1859..	4.63	2.77	8.03	3.35	3.43	5.95	......	2.24	4.44	2.26	4.56	6.12	.....
1860 } 1870 }	......	.....	......	......	......	......	......	......	......	......	......	......	.....
1871..	......	......	1.69	3.41	3.71	2.20	2.80	5.88	2.08	6.55	6.37	3.00	.....
1872..	0.77	0.35	1.44	1.60	3.23	5.95	3.23	6.97	3.12	3.55	4.27	2.54	37.02
1873..	4.42	0.93	2.87	2.79	2.80	1.60	3.52	2.63	4.03	6.15	3.36	1.80	36.90
1874..	3.13	2.13	1.14	4.03	3.86	3.14	5.41	5.29	2.73	1.23	3.18	0.97	36.24
1875..	2.58	2.85	3.63	3.16	2.62	5.51	1.81	2.70	3.49	3.53	2.64	1.62	36.14
1876..	2.38	3.84	5.29	2.59	4.68	2.55	6.00	0.54	4.29	1.57	2.83	2.48	39.04
1877..	2.65	0.60	5.91	2.26	2.24	3.43	2.81	7.90	1.11	5.56	7.84	1.20	43.51
1878..	3.83	3.28	2.19	5.60	1.16	3.13	1.56	2.93	1.34	4.48	3.74	5.36	38.60
1879..	2.30	3.80	4.42	3.68	0.88	6.61	3.80	3.73	2.67	1.43	4.90	3.39	41.61
1880..	5.36	4.50	1.42	2.66	1.35	3.03	3.12	2.32	3.20	4.21	3.25	3.17	37.59
1881..	4.30	5.30	5.09	1.43	5.64	3.99	3.94	1.42	2.75	2.90	3.13	6.79	16.78
1882..	4.39	4.58	3.97	1.97	3.95	3.20	2.00	0.66	7.58	2.90	0.93	2.61	38.74
1883..	2.53	2.81	1.58	1.33	2.91	2.94	5.05	0.36	2.68	3.51	3.66	2.63	31.99
1884..	4.54	6.92	4.86	6.12	6.46	1.41	6.78	3.98	0.56	2.21	2.25	6.42	52.51
1885..	3.02	3.68	1.59	2.09	1.91	4.06	5.63	5.91	1.37	4.32	3.43	2.94	39.95
1886..	4.65	5.52	3.26	2.28	4.07	1.66	3.63	3.93	5.56	6.70	5.33	5.04	51.63
1887..	3.89	5.73	4.15	4.96	1.93	4.07	4.70	6.56	0.70	2.47	4.74	5.17	49.07
1888..	6.05	5.40	3.72	3.80	3.36	2.79	1.90	4.36	8.22	7.47	7.46	4.71	59.24
1889..	3.47	2.74	2.68	2.39	2.65	3.26	3.10	2.76	2.49	3.47	7.95	4.96	41.92
1890..	2.89	4.04	6.24	2.51	6.10	4.53	3.58	2.99	4.88	6.82	2.31	5.68	51.97
1891..	7.72	4.31	5.48	1.89	3.47	2.77	4.78	1.15	1.94	3.22	2.38	4.17	43.28
1892..	4.22	2.18	2.27	1.04	4.41	4.60	2.68	8.14	2.89	1.64	3.76	1.32	39.15
1893..	2.19	4.51	3.58	3.71	7.59	3.62	0.96	2.74	2.33	5.13	1.83	5.42	43.61
1894..	3.13	2.70	1.97	2.55	7.33	2.01	2.96	3.27	2.76	4.65	2.05	1.75	37.13
1895..	2.47	0.94	3.37	5.95	1.59	1.97	3.59	4.72	1.79	1.91	7.18	3.30	38.78
1896..	2.00	5.27	8.02	1.65	3.21	2.23	3.10	2.57	9.57	3.19	2.45	2.18	45.44
1897..	4.09	2.60	4.55	2.60	5.87	4.97	2.62	1.41	2.34	0.46	6.69	4.22	42.42
1898..	6.61	7.61	1.21	4.33	2.62	3.98	1.78	3.88	3.48	5.90	5.51	2.85	49.76
1899..	3.39	3.41	6.49	1.55	0.73	1.04	3.92	1.66	4.47	1.46	3.11	2.84	34.07
1900..	6.28	9.25	6.00	2.25	4.09	1.25	1.70	3.72	2.56	5.81	5.50	2.38	50.79
1901..	3.34	1.68	6.43	7.47	7.17	0.93	4.21	3.26	2.18	3.12	1.89	7.14	48.82
1902..	2.73	3.34	8.76	3.97	2.17	3.78	2.21	4.36	4.08	4.95	0.86	6.54	47.75
1903..	4.90	3.44	5.60	2.51	0.68	5.53	2.50	1.85	2.06	3.57	1.44	3.46	37.54
1904 .	4.04	2.35	2.52	7.51	4.75	2.45	1.63	3.61	3.49	1.16	1.93	1.43	36.90
1905..	5.16	1.78	1.97	1.43	2.58	3.08	3.65	2.78	5.35	0.95	4.45	5.44	38.62
1906..	2.87	2.00	4.95	3.53	4.79	7.18	4.32	1.73	0.58	2.75	3.04	4.80	42.54
1907..	2.46	2.95	2.58	2.75	1.99	3.55	3.63	2.07	7.81	2.53	4.40	4.12	40.84
1908..	2.42	3.72	2.26	2.14	4.76	0.53	2.58	3.73	0.69	3.65	1.34	2.92	30.74
M'ns	3.76	3.45	3.89	3.23	3.55	3.27	3.47	3.55	3.31	3.70	3.67	3.77	42.63

LEWISTON, ANDROSCOGGIN CO., ME.—Elevation, 185 feet.

1875..	3.35	5.30	5.40	5.00	2.90	6.32	2.65	5.45	4.98	6.82	6.80	1.31	56.28
1876..	4.25	5.80	12.31	3.49	3.85	4.15	6.03	0.85	5.91	1.90	4.18	4.50	57.22
1877..	2.43	0.90	8.05	3.26	2.36	2.45	2.75	8.35	1.84	6.95	12.13	1.55	53.02
1878..	4.47	2.20	3.80	5.78	1.42	6.20	2.25	3.66	4.39	8.12	5.49	10.77	58.61
1879..	3.15	4.15	3.30	3.36	0.75	5.71	3.76	5.87	2.78	1.73	4.25	3.45	42.26
1880..	3.72	3.40	2.20	2.55	1.79	1.54	2.93	2.02	4.28	4.60	4.68	3.10	36.81
1881..	3.33	3.95	5.22	1.68	5.03	2.61	4.22	3.33	1.84	2.89	2.73	7.14	43.97
1882..	3.76	5.81	4.41	2.34	5.15	3.19	2.69	0.99	7.38	1.32	1.65	2.93	41.62
1883..	2.57	3.49	1.73	2.96	4.82	4.26	3.98	0.91	3.25	4.08	3.06	4.07	39.18
1884..	4.89	6.87	5.40	5.97	4.36	1.49	5.66	3.18	1.36	2.43	3.65	5.54	50.80
1885..	4.21	4.12	1.96	2.85	4.12	5.85	3.79	2.97	2.31	4.09	3.65	3.40	43.32
1886..	6.59	7.45	2.56	1.71	3.23	1.26	2.16	3.09	3.09	4.80	4.80	5.05	45.79
1887..	3.99	5.28	4.60	5.18	1.14	2.81	5.73	3.77	0.88	2.42	5.09	5.73	46.62
1888..	5.98	5.09	5.11	2.87	3.48	3.34	3.62	4.13	7.73	6.04	5.77	3.25	56.41
1889..	4.67	3.21	3.30	2.48	2.85	4.12	5.22	2.68	2.92	4.61	6.25	5.00	47.31
1890..	3.00	4.14	5.88	2.17	7.51	3.71	4.83	3.47	5.13	5.47	1.69	5.55	52.75
1891..	8.10	3.89	7.03	2.89	2.60	3.64	5.27	2.97	1.00	2.40	2.66	5.27	47.72
1892..	5.52	2.21	2.43	1.05	4.62	7.22	3.18	8.11	4.48	1.81	4.54	1.49	46.66
1893..	2.82	5.59	2.78	2.58	8.26	2.51	1.32	3.55	2.69	6.08	2.31	4.87	45.31
1894..	2.93	2.26	1.99	2.24	6.55	1.74	1.46	2.55	4.48	5.62	2.59	2.98	37.59
1895..	3.41	0.63	2.10	5.64	1.85	2.59	2.22	2.54	1.15	2.11	7.21	5.07	36.52
1896..	1.04	5.82	10.10	1.63	2.37	2.58	3.08	2.98	6.73	3.58	3.79	1.45	45.15
1897..	5.17	2.55	4.49	2.93	5.25	3.71	6.63	3.79	3.43	0.95	5.92	4.65	49.47
1898..	5.93	7.07	1.40	3.48	2.03	4.85	2.35	2.21	3.04	4.34	4.44	2.85	43.99
1899..	3.19	3.06	5.96	1.48	1.14	2.04	4.43	1.16	3.65	1.97	2.63	2.03	32.74
1900..	6.95	8.69	8.01	1.92	4.04	1.69	2.02	3.69	2.48	4.42	4.95	2.13	50.89
1901..	3.19	1.15	5.14	8.16	5.77	1.12	4.25	4.75	1.75	3.33	2.20	7.59	48.40
1902..	3.04	3.01	8.96	4.37	2.67	5.21	2.02	3.52	3.70	5.07	1.45	5.26	48.28
1903..	4.48	4.15	6.32	2.11	0.35	5.30	3.90	2.53	1.44	3.53	1.58	4.13	39.82
1904..	4.26	2.32	3.71	6.74	4.34	2.64	2.39	4.29	3.82	1.88	2.63	1.93	40.95
1905..	4.42	1.80	1.48	1.54	2.04	4.12	4.58	1.79	5.51	1.01	3.70	3.65	35.64
1906..	3.15	1.59	4.51	2.93	4.21	7.42	5.44	0.80	0.85	4.97	3.26	3.94	43.07
1907..	2.45	2.29	3.05	3.71	2.11	4.79	2.63	2.56	7.03	3.56	4.25	3.58	42.01
1908..	2.82	4.68	2.18	2.64	4.94	0.90	3.66	2.73	0.80	5.01	1.61	4.16	36.13
M'ns	4.03	3.94	4.61	3.29	3.53	3.62	3.65	3.27	3.47	3.82	4.07	4.05	45.35

MILLINOCKET, PENOBSCOT CO., ME.—Elevation, 386 feet.

1903..	3.34	3.30	6.39	1.96	0.72	2.07	4.25	2.48	2.82	2.72	2.64	3.64	36.33
1904..	3.35	1.89	3.86	2.82	4.38	2.16	4.96	4.06	6.46	3.21	2.20	1.89	41.24
1905..	5.45	1.25	0.77	2.05	2.91	2.41	2.92	2.08	3.47	1.49	4.29	3.57	32.66
1906..	3.09	3.45	6.29	3.69	3.57	2.96	3.24	1.90	3.16	7.10	4.21	3.35	46.01
1907..	3.24	1.95	2.16	3.60	2.50	7.33	4.70	4.04	5.31	4.14	3.75	3.32	46.04
1908..	2.52	3.82	2.65	1.93	5.16	2.10	2.35	5.01	2.46	3.30	1.88	3.32	36.50
M'ns	3.50	2.61	3.69	2.68	3.21	3.17	3.74	3.26	3.91	3.66	3.16	3.18	39.77

UPPER DAM, OXFORD CO., ME.—Elevation, 1,470 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1886..	4.29	2.32	2.74	1.17	3.20	3.15	2.01	4.13	4.71	1.56	4.27	2.63	36.18
1887..	3.92	3.37	1.96	3.53	2.01	4.46	5.43	3.33	1.26	1.96	3.10	3.67	38.00
1888..	2.40	1.73	3.09	2.04	2.89	2.96	2.28	4.79	4.27	6.62	6.50	2.13	41.70
1889..	2.48	0.77	2.68	0.63	3.79	3.23	3.17	2.50	5.30	3.62	0.86	1.67	30.70
1890..	3.26	1.45	2.40	1.37	4.00	3.69	2.45	4.23	5.83	2.90	2.73	2.59	36.90
1891..	3.80	3.26	6.36	1.76	2.65	1.49	3.02	3.47	1.35	1.85	2.51	5.67	37.19
1892..	4.57	0.67	4.74	1.39	1.48	4.68	4.80	6.68	1.99	0.10	6.47	0.80	38.37
1893..	1.35	3.06	1.24	2.80	3.78	4.10	2.95	3.08	3.14	2.97	1.46	3.07	33.00
1894..	3.76	1.49	0.24	1.48	3.19	2.61	4.17	2.68	3.52	2.56	1.70	1.57	28.97
1895..	3.77	0.29	1.18	2.92	4.64	2.48	1.57	3.16	2.21	0.40	6.41	3.89	32.92
1896..	0.50	2.27	5.13	3.57	2.40	3.15	4.59	3.20	4.97	1.33	1.82	2.20	35.13
1897..	2.27	1.81	5.07	3.14	1.92	4.95	7.28	1.31	2.88	1.09	2.83	2.28	39.74
1898..	3.08	5.63	0.74	1.15	2.38	5.98	2.98	4.24	3.55	3.90	2.46	1.35	37.44
1899..	1.87	2.82	3.32	0.00	2.45	2.40	3.16	0.51	1.97	1.70	1.83	1.69	23.72
1900..	3.22	4.21	3.60	0.32	5.47	3.57	5.12	2.16	2.54	2.43	5.86	1.00	39.52
1901..	3.95	0.55	2.69	3.22	3.54	2.63	6.18	2.10	2.08	2.18	1.20	3.01	33.33
1902..	0.90	1.49	4.42	1.64	4.87	4.30	1.64	5.21	3.05	2.15	1.65	3.36	34.68
1903..	2.62	1.83	3.53	1.66	0.00	3.56	4.25	3.38	0.92	1.69	0.00	2.94	26.38
1904..	2.57	0.90	2.25	3.03	2.82	2.40	3.30	4.30	5.07	2.18	0.67	1.76	31.25
1905..	2.56	0.79	1.76	1.40	2.82	2.89	4.10	2.66	3.35	0.79	2.02	3.59	28.73
1906..	1.41	1.84	2.40	1.19	4.05	3.51	2.90	1.15	2.23	2.78	2.21	2.29	27.85
1907..	1.69	1.38	1.79	4.10	0.67	2.94	3.72	1.11	5.80	3.76	3.53	2.80	33.29
1908..	1.74	2.81	1.85	1.47	3.38	2.48	2.28	2.25	0.88	0.96	1.43	2.04	23.57
M'ns	2.70	2.03	2.40	1.96	3.15	3.37	3.62	3.11	3.21	2.23	2.76	2.52	33.42

ORONO, PENOBSCOT CO., ME.—Elevation, 129 feet.

1869..	2.54	4.26	3.36	2.39	2.95	......	1.62	1.91	3.67	9.57	3.36	......	.....
1870..	5.61	4.30	2.11	3.55	1.96	2.07	1.78	3.21	2.23	5.53	5.61	3.04	41.00
1871..	2.60	2.53	4.11	3.91	3.63	2.58	1.98	3.85	1.10	7.50	3.58	4.16	41.53
1872..	2.18	1.70	5.23	1.93	3.92	4.47	2.68	6.23	3.55	6.01	7.06	3.66	48.62
1873..	4.09	2.97	4.70	2.59	1.96	1.32	3.26	1.81	4.74	6.56	5.05	1.74	40.79
1874..	4.57	5.50	3.40	3.76	4.74	4.93	2.10	5.39	4.37	1.14	3.06	1.98	44.94
1875..	2.00	3.80	4.45	3.85	3.31	4.85	2.11	2.32	5.10	4.75	3.87	1.51	41.92
1876..	3.92	8.39	8.20	1.65	3.73	2.56	5.80	0.91	4.28	3.91	4.35	4.67	52.37
1877..	3.29	1.20	5.67	3.18	1.94	1.98	1.64	5.28	1.11	4.78	7.95	2.15	40.17
1878..	5.08	2.41	2.73	3.46	2.14	5.42	4.77	3.00	2.00	4.73	4.91	7.92	48.57
1879..	3.28	3.56	3.40	3.51	1.80	4.73	5.79	5.66	4.93	3.49	2.98	3.60	46.73
1880..	2.83	2.83	2.86	4.15	2.17	0.73	3.32	1.54	3.84	4.15	3.52	1.90	33.84
1881..	2.08	3.35	3.64	1.28	4.85	3.38	2.72	5.89	2.35	3.57	2.81	6.88	42.80
1882 .	4.19	3.96	5.20	2.05	4.52	4.14	3.10	1.64	6.44	1.09	1.78	2.85	41.26
1883..	2.44	2.34	1.89	3.80	5.10	3.66	6.90	0.53	2.23	4.97	3.75	2.99	40.60
1884..	4.44	6.85	4.37	3.38	5.42	1.37	2.38	3.12	2.19	2.70	3.99	4.74	44.95
1885..	4.73	4.45	2.78	2.34	3.38	4.60	4.70	7.36	2.52	5.12	5.37	6.64	52.99
1886..	6.64	5.42	2.87	1.80	4.67	2.74	1.05	2.27	4,11	1.42	8.67	6.38	48.04
1887..	7.56	5.89	5.88	5.08	1.25	3.36	7.11	4.60	0.95	3.00	3.48	4.72	52.88
1888..	4.97	6.11	6.48	1.78	2.82	3.65	2.47	4.59	6.97	7.51	6.43	4.90	58 74
1889..	5.37	5.20	4.62	1.93	1.86	4.93	3.23	1.65	2.21	4.04	4.50	3.40	42.91
1890..	3.33	4.52	5.81	2.02	10.52	3.84	3.84	4.55	4.47	3.36	2.67	4.10	53.03
1891..	7.66	2.93	5.20	3.26	2.83	3.20	3.56	4.67	3.68	2.85	2.78	4.76	47.38
1892..	**4.80**	**1.96**	**2.52**	**1.12**	**1.94**	**5.96**	**1.99**	6.41	3.91	1.75	4.47	2.26	39.09
1893..	0.85	5.75	1.45	2.18	2.55	2.69	3.25	3.90	6.02	3.34	1.43	4.21	37.62
1894..	3.01	1.73	1.23	1.18	3.84	2.90	2.41	2.01	3.40	4.33	**1.24**	1.75	29.03
1895..	......	0.83	2.39	3.88	2.13	1.35	2.85	2.14	1.05	1.51	3.61	......	.....
1896..	......	2.20	6.95	......	......	......	2.58	4.26	8.00	3.75	4.23	1.30	.....
1897..	3.03	2.38	3.96	3.03	4.49	3.71	2.02	5.09	2.65	1.01	5.04	3.58	39.99
1898..	6.32	8.05	2.23	4.95	1.02	5.28	2.44	3.14	2.29	6.19	6.84	1.27	50.02
1899..	2.75	2.27	4.76	0.66	4.12	4.10	4.49	T.	3.20	2.92	2.01	3.09	34.37
1900..	8.14	6.75	5.47	2.01	8.24	3.83	2.53	1.58	2.94	5.70	4.59	2.02	53.80
1901..	4.33	1.95	5.45	5.12	2.07	1.79	2.75	3.76	4.22	4.12	2.54	7.94	46.04
1902..	3.65	1.80	8.89	2.94	2.77	6.03	1.81	4.96	1.94	5.04	1.76	4.77	46.36
1903..	3.62	3.48	6.22	1.71	0.73	2.09	6.49	2.22	1.21	3.44	2.79	3.14	37.14
1904.	3.63	2.57	3.18	2.31	4.26	2.17	2.43	4.46	6.47	3.10	1.62	2.00	38.20
1905..	4.28	2.20	0.83	2.22	3.47	3.13	2.19	2.13	3.19	0.78	4.08	3.51	32.01
1906..	3.11	2.27	4.34	3.65	5.44	2.86	2.47	1.69	1.51	4.90	3.52	3.37	39.13
1907..	4.01	3.01	2.25	3.53	1.77	5.77	3.44	1.41	6.12	2.71	4.22	3.84	42.08
1908..	3.36	4.23	2.90	2.37	4.59	1.35	2.85	4.69	0.81	6.03	1.39	2.94	37.51
M'ns	4.06	3.70	4.10	2.81	3.46	3.42	3.17	3.40	3.45	4.06	3.90	3.65	43.18

KINEO, PISCATAQUIS CO., ME.—Elevation, 1,100 feet.

1895..	2.11	1.35	1.22	2.03	2.58	3.26	4.07	4.90	1.45	0.87	5.47	2.99	32.30
1896..	0.37	2.51	4.49	2.24	2.46	2.47	4.02	2.00	3.27	3.61	1.95	0.90	30.29
1897..	2.82	1.95	2.43	3.27	3.96	2.59	8.37	3.11	2.62	1.52	2.69	2.25	37.58
1898..	4.24	6.90	0.82	2.22	......	......	0.90	3.30	4.50	... ..	......	......	.....
1899..	......	......	......	......	3.20	3.94	7.37	......	......	......	......	......	.....
1900..	5.17	3.47	3.90	......	3.49	3.24	5.21	1.51	2.55	......	......	......	.....
1901..	2.65	1.80	1.45	4.85	0.75	6.55	1.95	2.55	0.94	2.26	2.70	7.40	35.85
1902..	2.15	3.60	4.73	2.65	4.67	6.15	4.03	3.01	5.46	......	0.81	2.01	.....
1903..	2.36	......	4.99	......	... ..	2.79	......	......	......	......	......	......	.....
1904..	......	......	......	......	......	......	......	......	......	... .	......	......	.....
1905..	......	.... .	......	1.91	3.22	3.99	2.52	1.43	2.82	0.86	2.51	1.22	.....
1906..	1.20	1.23	......	2.20	4.72	3.43	6.28	......	2.73	5.80	1.85	3.75	.....
1907..	0.98	1.30	2.56	3.78	2.54	6.90	5.81	2.68	5.64	.....	......	3.12	.....
1908..	2.63	4.93	2.95	2.14	5.50	2.83	5.18	7.96	1.90	2.08	1.92	2.59	42.61
M'ns	2.43	2.90	2.95	2.73	3.37	4.01	4.64	3.24	3.08	2.43	2.49	2.91	37.18

NOTE.—The monthly values from 1905 to 1908, inclusive, are for Greenville, Me., near Kineo.

BEMIS, FRANKLIN CO., ME.—Elevation, 1,485 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1900..	4.25	5.96	4.95	0.38	5.55	4.42	2.64	2.28	3.06	4.68	8.58	1.82	48.57
1901..	3.60	1.20	5.90	7.14	**4.00**	1.66	5.46	2.28	1.87	2.75	3.70	2.20	41.76
1902..	......	1.58	4.82	**0.80**	4.15	4.63	1.02	3.71	2.62	......	......	......	.....
1903..	......	......	......	......	......	14.60	3.19	2.82	.... .	......	......	......	.....
1904..	2.86	1.08	2.00	4.56	3.23	2.98	2.89	4.77	6.63	1.69	1.39	1.99	36.07
1905..	3.33	1.03	1.53	1.91	3.63	3.06	3.78	2.49	2.95	1.67	1.55	1.47	28.40
1906..	2.03	2.64	2.14	2.17	5.67	3.75	4.57	1.33	4.50	4.08	1.43	1.96	36.27
1907..	1.95	1.38	2.86	3.61	1.90	......	......	2.31	7.35	......	4.80	3.77	.....
1908..	2.73	3.01	1.88	1.10	2.10	2.75	4.65	2.58	0.50	0.90	1.95	2.10	26.25
M'ns	2.96	2.24	3.26	2.71	3.78	4.73	3.56	2.73	3.68	2.63	3.34	2.19	37.81

NOTE.—The monthly values from 1904 to 1908, inclusive, are for Oquossoc, Me.

MAYFIELD, SOMERSET CO., ME.—Elevation, 1,000 feet.

1885..	......	.....	......	......	.....	9.03	2.91	3.70	2.79	3.50	3.40	3.09	.....
1886..	8.06	4.12	2.85	1.40	3.76	1.26	2.58	3.74	3.93	2.33	6.82	......	.....
1887..	......	......	.....	5.91	2.08	4.01	6.53	3.35	1.41	2.74	4.27	......	.....
1888..	.... .	......	......	1.42	3.17	2.27	3.48	6.88	5.90	7.93	6.90	3.25	.....
1889..	......	.....	......	2.09	3.66	5.70	4.98	3.35	6.52	5.83	5.39	......	.....
1890..	......	......	......	2.42	10.29	3.97	3.45	6.40	5.85	3.45	2.01	.....	.....
1891..	......	......	......	3.75	2.37	3.34	5.11	4.78	1.58	1.56	2.91	......	.....
1892..	4.80	2.14	2.89	......	.....	8.36	2.73	9.19	5.63	1.60	5.14	0.95	.....
1893..	2.47	1.83	2.36	1.86	5.65	2.69	3.27	5.20	4.21	7.37	3.49	3.02	43.42
1894..	3.15	1.61	1.31	1.17	4.83	6.45	2.65	2.05	5.71	6.41	2.48	2.27	40.09
1895..	2.31	1.08	1.25	6.21	3.83	3.03	4.44	3.86	2.09	2.25	7.63	5.84	43.82
1896..	0.94	3.58	7.20	2.34	3.02	3.13	6.07	4.90	5.31	4.77	5.11	1.24	47.61
1897..	3.99	2.07	3.92	4.56	5.04	3.41	8.04	4.07	3.01	1.43	5.12	3.43	48.09
1898..	4.22	7.99	0.96	2.26	1.88	2.94	1.52	4.43	3.57	5.79	6.02	1.14	42.72
1899..	2.50	4.00	4.87	0.99	3.02	2.04	4.70	1.05	3.33	1.71	2.19	3.05	33.54
1900..	6.27	7.39	5.65	1.57	5.84	3.31	4.48	1.25	3.26	2.99	7.43	1.10	50.54
1901..	2.60	1.20	5.55	6.33	2.26	2.94	5.40	5.25	2.63	3.43	2.44	8.63	48.66
1902..	3.21	3.60	9.50	4.16	3.40	7.39	2.95	6.36	4.33	5.83	1.65	4.12	56.50
1903..	5.48	3.27	5.33	1.56	0.58	6.54	5.27	3.03	0.85	3.12	1.61	3.06	39.70
1904..	3.07	1.81	2.76	3.42	6.86	3.17	4.41	5.32	5.73	2.42	1.58	1.47	42.02
1905..	4.25	......	1.00	2.17	3.29	3.39	4.39	1.86	4.40	0.96	2.87	2.69	.....
1906..	2.69	2.01	5.24	2.70	3.90	4.61	4.66	4.13	2.23	5.54	3.61	3.38	44.70
1907..	1.40	1.72	1.86	4.04	2.40	4.64	4.75	3.18	5.67	6.11	5.35	5.42	56.54
1908..	3.64	......	......	......	......	......	......	......	......	......	.....	.....	.....
M'ns	3.61	3.09	3.79	2.97	3.86	4.24	4.30	4.23	3.92	3.87	4.15	3.18	45.21

NOTE.—The monthly values from January, February and March, 1892 to 1895; February and March, 1896; January, February and March, 1897 and 1898; also December, 1892 to 1894, inclusive, are for Indian Stream.

PATTEN, PENOBSCOT CO., ME.—Elevation, 550 feet.

1902..	......	......	......	1.00	3.52	6.20	3.00	3.80	4.30	4.80	......	2.20	.....
1903..	1.60	......	3.02	......	0.12	2.29	4.03	2.64	0.69	2.58	2.42	3.40	.....
1904..	2.90	......	1.02	2.90	4.25	4.15	4.30	2.49	10.42	3.10	1.82	1.50	.....
1905..	4.20	0.90	0.90	2.50	2.15	5.25	2.00	0.06	3.96	1.38	3.30	2.00	28.60
1906..	3.50	3.80	5.90	2.40	1.30	1.84	5.26	1.57	1.52	10.10	1.88	2.73	41.80
1907..	1.00	2.40	1.40	1.50	2.05	10.04	4.21	5.00	6.04	5.70	5.30	4.00	48.64
1908..	......	......	......	......	......	......	1.51	5.00	0.30	.....	......	1.55	.....
M'ns	2.64	2.37	2.45	2.06	2.23	4.96	3.47	2.94	3.89	4.61	2.94	2.48	37.04

WINSLOW, KENNEBEC CO., ME.—Elevation, 90 feet.

1895..	. ....	......	......	......	......	......	......	......	1.56	2.04	6.52	**4.00**	.....
1896..	0.40	3.40	6.24	1.74	2.52	2.33	3.46	3.59	5.86	2.66	2.89	1.29	36.38
1897..	**4.18**	1.39	3.06	2.44	5.30	3.34	5.50	3.42	3.02	0.68	4.96	2.71	40.00
1898..	4.67	4.91	1.05	2.44	1.51	3.42	1.95	3.09	2.77	5.38	3.86	1.59	36.64
1899..	2.88	2.45	4.10	1.00	2.32	1.13	6.81	0.25	4.03	1.34	1.76	1.90	29.97
1900..	6.35	6.27	5.21	1.95	6.32	4.09	4.17	2.55	3.26	4.86	5.00	......	.....
1901..	2.91	0.65	5.15	4.50	......	2.51	3.31	4.54	3.92	3.28	1.38	8.23	.....
1902..	2.31	1.49	8.90	2.51	2.24	4.61	2.62	......	2.29	5.54	1.17	4.25	.....
1903..	4.14	3.01	7.15	2.21	0.31	4.47	4.53	3.37	1.01	3.31	1.34	2.98	37.83
1904..	2.58	1.51	3.41	5.38	4.91	......	2.52	4.94	5.84	2.64	1.62	1.65	.....
1905..	3.66	0.93	0.83	2.20	2.53	3.39	4.26	2.03	3.20	0.62	4.00	2.82	30.47
1906..	2.78	1.33	3.33	2.78	4.64	3.28	5.18	2.96	1.16	5.86	2.96	2.24	38.50
1907..	2.60	1.56	1.72	3.40	2.58	2.90	5.26	0.83	6.00	3.24	4.49	3.15	37.73
1908..	2.07	3.10	1.78	2.07	5.00	2.82	2.73	......	0.93	3.08	1.60	2.57	.....
M'ns	3.19	2.46	3.99	2.66	3.35	3.19	4.02	2.87	3.20	3.18	3.11	3.03	38.25

GARDINER, KENNEBEC CO., ME.—Elevation, 163 feet.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1837..	5.00	3.10	1.43	3.48	3.25	3.85	1.24	2.35	0.44	2.91	3.59	1.81	32.45
1838..	1.62	2.09	1.43	1.76	3.29	4.61	1.10	2.02	4.24	3.97	3.38	0.68	30.19
1839..	2.45	2.10	2.66	3.87	5.05	4.45	5.26	5.21	2.27	0.41	4.22	3.10	41.05
1840..	1.77	2.29	4.13	4.14	4.22	4.20	1.72	3.72	1.54	6.02	3.88	3.52	41.15
1841..	5.72	1.12	3.24	5.28	3.58	3.17	1.58	1.08	3.83	1.46	3.37	5.09	38.52
1842..	2.88	4.49	3.26	3.51	1.83	3.05	3.08	2.35	3.06	1.62	3.33	5.67	38.13
1843..	2.54	5.67	5.80	5.52	3.50	3.96	1.76	4.81	1.17	5.28	3.58	2.71	46.30
1844..	3.95	1.68	4.82	0.65	3.01	1.79	1.47	3.03	2.36	5.72	3.93	5.91	38.32
1845..	5.85	2.24	2.96	2.59	2.67	1.95	6.55	2.40	3.20	2.89	1.06	4.82	39.18
1846..	2.66	1.29	6.27	1.59	4.83	2.77	2.62	3.83	1.00	2.09	3.42	2.94	35.31
1847..	5.11	3.67	1.62	2.99	2.69	6.32	3.34	3.95	3.32	4.06	3.64	4.28	44.90
1848..	3.84	2.53	2.84	1.22	8.61	1.88	6.29	4.32	5.76	4.60	2.38	4.56	48.86
1849..	0.92	1.50	2.80	3.47	5.18	2.59	1.70	6.10	2.82	5.85	2.67	3.96	39.56
1850..	3.09	2.96	2.29	2.98	11.76	5.44	3.09	4.36	3.70	5.29	2.41	4.10	51.47
1851..	4.66	4.45	1.90	3.74	3.15	3.42	5.56	2.36	2.76	8.43	6.30	4.08	50.81
1852..	2.36	3.89	2.22	6.12	0.36	3.89	2.80	5.87	3.51	4.38	6.33	4.92	46.65
1853..	......	......	......	......	......	......	......	......	......	......	......	....	.....
1854..	......	......	......	......	......	......	......	......	......	......	......	......	.....
1855..	7.17	1.70	1.10	4.57	1.93	5.98	2.42	3.10	1.76	1.31	3.18	5.01	39.23
1856..	2.25	1.95	0.90	2.46	4.52	2.04	2.49	7.49	3.82	3.20	2.15	4.70	37.97
1857..	4.22	2.46	4.03	5.30	4.74	3.59	2.33	5.51	1.24	4.97	3.63	4.18	46.20
1858..	3.31	2.33	3.16	4.44	3.02	2.52	6.43	7.25	3.74	5.06	2.91	2.87	47.04
1859..	4.42	2.16	10.06	2.51	3.00	6.35	1.97	2.79	2.48	1.08	4.75	6.54	48.11
1860..	.....	......	.....	......	0.88	......	......	......	......	.....	......	......	.....
1861..	3.68	3.26	5.47	4.35	4.40	1.27	4.14	1.37	1.85	5.47	2.64	2.17	40.07
1862..	4.20	3.60	2.49	2.75	2.73	3.83	2.41	1.94	3.18	5.21	4.34	2.56	39.24
1863..	3.68	4.40	4.22	3.97	2.44	1.73	6.45	4.39	4.33	2.36	7.30	4.34	49.61
1864..	3.51	2.07	4.58	2.46	3.94	0.65	0.59	6.12	4.32	2.76	5.77	4.18	40.95
1865..	3.10	2.85	5.39	4.43	5.05	2.68	4.61	1.46	0.84	5.15	3.24	3.07	41.87
1866..	1.63	5.24	5.47	1.91	4.97	3.50	3.01	5.50	5.66	2.59	3.18	3.00	45.66
1867..	2.62	4.36	5.76	4.96	5.27	1.96	3.94	8.49	0.98	4.60	2.85	1.89	47.68
1868..	2.86	1.87	2.38	2.28	9.59	3.20	1.87	1.06	8.24	0.98	6.75	2.04	43.12
1869..	1.96	6.75	4.00	3.05	4.50	5.50	1.51	1.16	3.37	12.67	3.10	4.74	52.31
1870..	6.13	5.93	3.22	4.78	1.90	1.94	2.43	1.98	1.33	6.38	4.19	2.82	43.03
1871..	2.11	1.55	5.37	3.38	3.92	1.58	4.58	1.93	1.84	7.58	4.90	3.28	42.02
1872..	1.85	1.84	3.03	1.85	2.58	3.88	3.10	6.98	4.73	3.42	5.81	3.57	42.64
1873..	4.63	2.09	3.94	2.97	2.38	1.26	3.65	1.59	3.88	6.01	3.63	2.03	37.97
1874..	4.41	3.33	2.05	4.63	3.14	3.86	5.56	6.21	2.75	1.72	3.11	1.66	42.43
1875..	3.23	3.83	4.00	3.99	2.90	5.87	2.22	6.66	4.89	5.06	3.80	0.92	47.37
1876..	3.05	8.78	7.96	2.69	3.61	2.95	6.15	0.19	4.63	2.61	4.13	3.44	50.19
1877..	1.90	0.58	7.91	3.01	1.60	1.16	2.22	5.28	1.41	5.30	8.23	1.24	39.84
1878..	3.70	2.74	3.22	5.84	1.49	3.69	1.07	4.43	2.38	7.81	4.63	7.55	48.55
1879..	2.91	3.38	4.21	3.10	1.50	5.83	5.27	5.20	4.04	2.05	4.70	4.19	46.38
1880..	4.10	3.61	2.67	3.28	2.39	1.53	3.93	2.17	4.06	4.39	4.86	2.96	39.95
1881..	3.73	5.84	5.31	1.56	5.89	3.07	3.75	2.42	3.00	2.64	3.26	6.56	47.03
1882..	3.56	5.00	5.05	2.69	4.74	4.25	2.60	0.33	7.00	2.02	1.14	3.55	41.93
1883..	2.49	2.89	2.32	3.51	5.02	4.86	3.48	0.32	3.10	4.47	2.97	3.68	39.11
1884..	6.52	7.62	5.42	6.55	4.00	1.22	5.16	4.22	2.11	3.14	2.36	6.85	55.47
1885..	5.28	6.47	2.18	2.51	3.41	5.06	1.73	3.21	1.98	3.93	2.86	2.61	41.23
1886..	6.61	7.25	4.65	1.46	3.76	1.85	1.93	2.81	3.68	3.67	6.06	4.68	48.41
1887..	7.32	5.62	7.27	6.87	1.08	3.42	6.96	3.42	1.05	2.41	3.61	5.61	51.70
1888..	5.13	5.90	5.09	2.27	2.48	2.59	2.20	4.33	7.12	6.71	5.98	4.20	54.00
1889..	5.20	1.84	2.76	2.38	2.54	......	2.96	1.60	2.55	4.59	5.14	5.51	.....
1890..	3.18	3.78	4.52	......	7.84	......	......	......	......	......	.....	......	.....
1891..	......	.....	......	......	......	.....	......	......	......	......	......	......	.....
1892..	......	......	......	......	......	......	......	......	......	......	4.52	1.07	.....
1893..	2.70	4.79	3.18	2.52	4.66	2.56	1.12	3.27	3.23	5.90	1.83	5.13	40.89
1894..	3.30	1.99	1.44	1.86	5.84	1.18	2.30	3.08	3.81	4.25	2.21	2.80	34.06
1895..	2.50	1.64	2.48	4.83	1.50	2.01	4.55	3.28	1.21	1.82	6.85	4.40	37.07
1896..	0.87	5.25	7.19	2.02	2.80	1.94	3.18	2.88	7.60	2.64	4.12	1.52	42.01
1897..	4.51	2.13	4.30	2.86	5.94	4.32	3.15	2.66	3.11	0.92	5.99	3.83	43.72
1898..	5.54	5.45	1.76	3.44	1.60	3.56	0.98	3.73	2.90	6.23	4.57	2.74	42.50
1899..	3.41	3.10	5.56	1.19	1.87	2.43	5.48	1.08	3.90	1.85	2.42	2.61	34.90
1900..	7.19	8.96	7.23	2.50	5.42	1.34	1.87	2.77	2.45	4.47	5.28	1.64	51.12
1901..	3.78	1.76	6.25	6.43	3.97	1.36	4.26	5.54	2.08	4.18	2.41	9.43	51.45
1902..	2.67	1.70	10.33	3.71	2.01	4.52	2.07	4.46	3.22	4.90	1.21	5.35	46.15
1903..	4.54	3.63	6.65	1.42	0.45	5.12	4.77	2.90	1.34	3.82	1.63	3.56	39.83
1904..	4.12	2.24	3.71	7.10	3.95	1.29	1.25	4.53	5.09	2.02	2.39	2.28	39.97
1905..	4.85	1.32	0.94	2.10	2.17	4.83	4.52	2.03	4.09	0.78	3.95	3.12	34.70
1906..	2.95	1.98	4.86	3.74	4.52	4.89	6.40	1.21	0.94	5.73	3.95	3.41	44.58
1907..	3.12	2.50	2.09	3.70	2.48	3.10	2.77	1.51	7.38	4.15	4.97	3.75	41.52
1908..	2.65	4.58	2.17	2.20	4.29	1.03	4.38	2.36	0.92	4.16	1.40	3.28	33.42
M'ns	3.72	3.47	4.04	3.39	3.67	3.19	3.29	3.45	3.21	4.03	3.86	3.74	43.06

NORTH BRIDGTON, CUMBERLAND CO., ME.—Elevation, 450 feet.

1861..	3.35	1.45	2.30	......	.....	......	......	......	.....	......	......	......	.....
1862 } 1892 }	......	......	......	......	......	......	......	......	......	......	......	......	.....
1893..	......	......	...	......	......	......	......	......	......	......	2.73	2.96	.....
1894..	1.64	2.21	2.51	1.88	6.40	2.61	2.90	3.59	5.90	4.65	......	......	.....
1895..	1.92	1.08	1.73	6.86	2.74	3.49	2.74	2.98	2.41	2.91	6.58	5.79	41.23
1896..	0.97	8.12	10.70	1.90	2.88	2.09	3.54	3.72	6.26	3.12	5.08	1.67	50.05
1897..	4.59	3.17	4.74	2.93	5.47	6.00	13.25	3.35	2.76	1.14	5.79	4.76	57.95
1898..	5.76	7.26	1.11	3.53	2.39	4.19	5.42	2.46	3.09	4.33	6.10	3.19	48.83
1899..	3.38	3.98	6.58	1.81	0.80	2.42	5.35	1.86	3.95	1.56	2.46	2.18	36.33
1900.	6.44	9.06	6.55	0.96	3.93	1.64	2.95	2.16	3.27	4.22	6.70	1.42	49.30
1901..	......	1.70	4.80	7.60	7.56	3.91	5.13	5.46	2.55	3.24	2.14	5.75	.....
1902..	4.36	2.55	8.21	4.67	3.98	5.50	2.66	4.21	4.11	5.72	1.78	6.27	54.02
1903..	4.20	4.02	5.62	2.02	0.54	6.38	3.45	2.83	2.16	4.04	1.02	3.36	39.69
1904..	4.58	2.46	3.47	5.90	4.31	2.87	2.96	5.91	4.25	1.70	1.33	1.67	41.41
1905..	4.67	1.66	2.06	1.65	2.16	5.50	5.97	2.53	7.02	1.56	3.16	2.95	40.89
1906..	2.77	1.52	3.87	2.36	4.66	6.13	5.82	1.79	0.83	5.18	3.36	4.32	42.61
1907..	1.90	1.89	3.68	3.80	2.21	4.28	2.95	2.10	6.49	4.49	4.74	3.67	42.20
1908..	2.43	3.65	2.20	2.58	4.51	1.00	5.34	3.55	0.81	2.40	1.46	3.27	33.20
M'ns	3.53	3.49	4.38	3.36	3.64	3.87	4.70	3.24	3.72	3.35	3.63	3.55	44.46

MISCELLANEOUS DATA.

Average number of days with .01 inch or more of precipitation.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs													
Bar Harbor	21	10	10	11	8	9	9	8	7	7	9	9	10	107
Cornish	15	10	9	10	9	10	10	10	10	8	10	9	10	115
Eastport	35	15	14	15	12	12	12	11	12	10	12	13	14	152
Farmington	16	10	10	8	9	10	10	10	10	9	9	9	10	114
Flagstaff	5	8	9	9	10	9	10	10	10	9	9	10	9	112
Gardiner	16	7	8	10	9	10	10	10	10	8	8	8	10	108
Lewiston	31	12	11	13	11	14	13	13	11	10	12	12	12	144
Mayfield	18	7	6	11	8	11	12	11	11	9	10	9	9	114
Millinocket	6	8	8	10	9	10	10	10	8	9	9	9	8	108
North Bridgton	15	7	7	9	7	9	11	10	10	7	8	8	8	101
Orono	23	10	8	10	9	8	11	9	8	7	9	9	9	107
Portland	35	12	11	13	11	12	11	12	11	10	10	11	11	135
Rumford Falls	15	8	7	9	7	8	10	9	9	8	9	8	8	100
Winslow	12	9	9	10	10	9	10	10	11	10	9	8	10	115

Mean temperature.

Bar Harbor	20	21.0	22.0	31.4	41.5	51.6	59.3	65.5	64.3	58.9	47.8	38.1	26.2	44.0
Cornish	51	18.6	20.9	28.9	41.3	53.9	64.2	68.7	66.2	58.2	46.7	34.0	22.7	43.8
Eastport	52	20.1	21.4	28.9	38.3	46.9	54.4	59.8	59.7	55.2	46.6	36.8	25.3	41.1
Farmington	16	15.1	17.5	30.2	42.4	54.1	62.5	67.4	64.7	58.1	47.6	33.1	17.5	42.5
Flagstaff	5	14.1	14.4	21.7	39.2	50.8	59.2	65.5	62.8	55.5	45.1	30.6	20.6	39.8
Gardiner	16	17.6	19.9	30.3	43.6	55.3	65.2	70.8	68.4	59.8	49.2	36.7	23.7	45.0
Lewiston	24	18.2	19.9	28.8	41.8	54.6	64.4	69.5	67.9	59.2	47.2	35.7	23.4	44.2
Mayfield	18	15.4	17.6	27.6	39.9	51.6	61.3	66.1	63.3	55.2	43.9	30.8	20.4	41.1
Millinocket	6	13.8	14.0	27.1	35.9	53.6	61.9	69.0	64.6	57.7	46.6	32.2	16.8	40.9
North Bridgton	15	18.3	20.0	30.8	43.3	53.3	63.9	69.1	66.7	60.4	48.9	36.5	23.2	44.5
Orono	35	15.8	18.9	27.9	40.7	52.6	61.9	66.9	65.0	57.0	46.1	34.0	20.8	42.3
Portland	37	22.0	23.8	32.0	43.0	53.5	62.6	68.0	66.2	59.6	49.1	37.6	27.1	45.4
Rumford Falls	15	16.5	18.2	27.5	41.4	53.7	63.6	68.3	65.7	57.8	46.7	34.1	21.5	42.9
Winslow	11	17.8	18.7	29.9	41.2	53.6	62.7	68.5	65.7	59.3	47.7	34.4	21.0	43.4

Highest temperatures by months.

Bar Harbor	20	56	57	67	76	89	94	96	94	96	83	68	56	96
Cornish	15	57	59	75	83	91	97	97	94	92	81	70	60	97
Eastport	35	54	50	51	71	85	88	93	90	89	80	64	54	93
Farmington	16	54	59	79	87	97	99	100	102	100	85	74	60	102
Flagstaff	5	50	48	55	83	87	91	94	89	91	81	72	55	94
Gardiner	16	54	53	78	85	93	96	101	100	95	83	72	57	101
Lewiston	24	56	59	82	86	92	98	100	98	96	87	75	56	100
Mayfield	18	44	59	62	83	90	94	96	92	90	81	66	54	96
Millinocket	6	53	62	61	82	87	101	106	102	89	81	72	62	106
North Bridgton	15	53	65	80	86	92	98	100	97	96	84	74	55	100
Orono	23	52	52	64	84	89	93	100	95	93	86	72	61	100
Portland	35	62	58	78	78	94	96	97	95	94	84	72	60	97
Rumford Falls	15	50	52	62	76	90	95	101	93	94	80	70	54	101
Winslow	11	55	57	74	85	90	95	99	95	93	84	72	62	99

Lowest temperatures by months.

Bar Harbor	15	−17	−14	− 9	13	27	35	40	40	28	21	6	−15	−17
Cornish	15	−18	−18	−10	8	25	40	46	43	31	19	−11	−19	−19
Eastport	35	−20	−20	− 8	2	29	30	45	45	35	24	−13	−21	−21
Farmington	16	−30	−31	−20	4	17	30	36	33	21	13	− 7	−23	−31
Flagstaff	5	−26	−36	−30	3	20	31	30	32	20	13	− 9	−28	−36
Gardiner	16	−30	−26	−15	13	26	37	46	43	32	19	3	−20	−30
Lewiston	24	−24	−24	− 4	10	26	38	46	41	31	18	2	−21	−24
Mayfield	18	−22	−18	−10	5	21	34	41	39	27	14	− 6	−19	−22
Millinocket	6	−35	−29	−16	6	33	37	47	41	25	15	0	−22	−35
North Bridgton	15	−21	−26	− 9	12	25	38	42	43	30	22	3	−20	−26
Orono	23	−32	−30	−13	9	23	32	34	36	23	13	− 8	−36	−36
Portland	35	−15	−15	− 7	14	30	42	48	46	33	26	− 6	−17	−17
Rumford Falls	15	−29	−23	− 4	12	24	34	42	41	29	18	2	−19	−29
Winslow	11	−36	−29	−20	−1	24	30	39	31	23	14	− 6	−28	−36

Average depth of snowfall.

Bar Harbor	20	20.4	18.4	13.5	0.4	....	....	....	....	....	0.1	4.5	11.7	69.0
Cornish	15	21.8	24.3	19.3	7.8	0.2	....	....	....	....	0.2	8.2	16.8	98.6
Eastport	35	15.9	18.6	13.5	8.1	....	....	...	....	....	....	7.4	13.9	77.4
Farmington	16	19.2	24.0	15.4	6.3	0.2	....	....	....	....	....	8.7	17.7	91.5
Flagstaff	5	28.8	32.4	28.5	2.0	....	....	....	....	....	....	14.8	15.4	*
Gardiner	16	16.6	18.1	11.9	3.4	....	....	....	....	....	....	5.5	12.3	67.8
Lewiston	34	22.4	22.0	17.1	5.3	0.1	....	....	....	....	0.3	6.1	16.4	89.7
Mayfield	18	21.0	23.0	17.0	7.0	T.	....	....	....	T.	1.0	10.0	17.0	96.0
Millinocket	6	19.3	33.1	12.7	7.3	....	....	....	....	....	....	10.8	19.2	92.4
North Bridgton	15	20.0	24.0	22.0	4.0	....	....	....	....	....	....	7.0	17.0	94.0
Orono	23	22.3	21.8	12.1	2.9	....	....	....	....	....	0.2	7.2	15.6	82.1
Portland	35	18.8	20.3	14.4	4.0	T.	....	....	....	....	T.	4.8	12.0	74.3
Rumford Falls	15	21.3	23.7	15.7	2.4	T.	...	....	....	T.	T.	9.6	15.0	87.7
Winslow	12	15.7	16.3	9.0	3.4	....	....	....	....	....	....	5.5	12.8	62.7

*131.9

Mean relative humidity.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
	Yrs	%	%	%	%	%	%	%	%	%	%	%	%	%
Eastport	14	73	73	74	73	79	82	83	84	82	79	77	74	78
Portland	14	75	74	72	69	76	76	76	80	81	79	77	75	75

NOTE.—From observations taken at 8 a. m. and 8 p. m.

Direction of prevailing wind.

Stations.	Length of record.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Annual.
	Yrs													
Bar Harbor	20	nw.	nw.	sw.	sw.	se.	sw.	sw.	sw.	sw.	sw.	ne.	nw.	sw.
Cornish	15	w.	w.	nw.	sw.	sw.	sw.	w.	sw.	sw.	sw.	sw.	w.	sw.
Eastport	23	nw.	nw.	nw.	s.	sw.	s.	s.	sw.	sw.	sw.	w.	nw.	sw.
Farmington	16	w.	w.	nw.	w.	w.	w.	sw.	sw.	w.	sw.	nw.	w.	w.
Gardiner	16	sw.	w.	w.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	w.	sw.
Lewiston	24	nw.	nw.	nw.	nw.	sw.	nw.	nw	nw.	sw.	nw.	nw.	nw.	nw.
Millinocket	6	nw.	nw.	w.	nw.	w.	w.	w.	w.	sw.	w.	w.	w.	w.
North Bridgton	15	nw.	n.	ne.	nw.	se.	sw.	sw.	sw.	sw.	sw.	nw.	nw.	sw.
Orono	23	w.	w.	w.	w.	nw.	sw.	w.	w.	w.	w.	w.	w.	w.
Portland	35	nw.	nw.	nw.	nw.	s.	s.	s.	s.	s.	nw.	nw.	nw.	nw.
Rumford Falls	15	w.	w.	w.	w.	w.	w.	w.	w.	w.	sw.	w.	w.	w.
Winslow	11	w.	w.	w.	w.	sw.	sw.	sw.	sw.	sw.	sw.	sw.	w.	sw.

Frost data.

Stations.	Length of record.	Average date of first killing frost in autumn.	Average date of last killing frost in spring.	Earliest date of killing frost in autumn.	Latest date of killing frost in spring.
	Yrs				
Bar Harbor	20	Oct. 12	May 18	Sept. 24	June 17.
Cornish	15	Sept. 12	May 23	Aug. 1	June 23.
Eastport	35	Oct. 12	April 28	Sept. 3	June 19.
Farmington	16	Sept. 15	May 16	Aug. 10	June 20.
Flagstaff	5	Sept. 15	May 22	Aug. 25	June 15.
Gardiner	16	Oct. 1	May 6	Sept. 21	May 25.
Lewiston	24	Oct. 2	May 5	Sept. 6	May 25.
Mayfield	18	Sept. 22	May 17	Sept. 6	May 31.
Millinocket	6	Sept. 20	May 16	Sept. 6	May 31.
North Bridgton	15	Sept. 15	May 15	Sept. 5	May 26.
Orono	23	Sept. 24	May 11	Sept. 12	June 5.
Portland	35	Oct. 18	May 14	Sept. 11	May 31.
Rumford Falls	15	Sept. 20	May 15	Sept. 6	May 26.
Winslow	11	Sept. 22	May 10	Sept. 21	May 20.

HYDROGRAPHIC DATA.

COMPILED FROM THE RECORDS OF THE UNITED STATES GEOLOGICAL SURVEY.

By R. H. Bolster, *Assistant Engineer.*

PRELIMINARY NOTE: Only the broader facts concerning the water power and the slope and flow of rivers are here given. Information in more detail can be procured on application to the Director, United States Geological Survey, Washington, D. C.

This section, comprising the State of Maine, includes St. John River on the east and north, Penobscot River in the central portion, Kennebec River in the central and western portions, and Androscoggin River on the west, together with several coastal rivers.

The St. John River drains the largest basin between St. Lawrence River on the north and Susquehanna River on the south. About 29 per cent of this basin, or about 7,500 square miles, lies in the State of Maine. The main stream forms the boundary between the United States and Canada throughout much of its course. The extreme headwaters lie in the mountainous region between Maine and Canada at elevations of 1,500 to 2,000 feet. Much of this basin lies in generally inaccessible forested regions. There is a great amount of lake surface, principally in the State of Maine, where the total area is 314 square miles. The waters of the river are used during portions of the year for log driving. St. John River and its tributaries are completely frozen over during the winter season, this extending usually from the 1st of November until the middle of April, and providing a large amount of snow storage. The fall of the stream and the possibilities for the development of water power are less than on any other of the large rivers of the State.

St. Croix River, south of and adjacent to the St. John River drainage, is very valuable for power purposes on account of its uniform flow. The lake surface comprises about one-tenth the total area of the drainage basin. The basin is largely forested.

The headwaters of Penobscot River lie in the mountainous region near the Canadian boundary. The basin is at a generally lower elevation than that of the Kennebec. Nearly two-thirds of the Penobscot River basin consists of timber land. The river remains frozen during the winter period and large accumulations of snow occur. The natural storage facilities of the Penobscot, with a total lake and pond surface of approximately 550 square miles, are only surpassed by those of the Kennebec and Androscoggin basins. Log driving is an important industry on the Penobscot, and the annual drive amounts to over 200,000,000 feet B. M. The river is navigable to Bangor. Considerable power has been developed on the Penobscot for pulp and paper mills at Old Town, West Enfield and Millinocket, but there is a very large amount of undeveloped power both on the main river and its principal tributaries.

Kennebec River rises in Moosehead Lake in the west-central part of Maine. The drainage basin extends from Canada to the ocean. The northern part of the drainage basin is broken by offsets from the White Mountains. Near Moosehead Lake the hills and high lands lie well back from the lake, leaving a great open plain. Between the lake and The Forks the river is a torrent flowing in a narrow rocky chasm. Below The Forks the river flows through a broader valley with gentler slopes. Moosehead Lake is about 1,026 feet above tide water, and distant from it 120 miles, corresponding to an average descent of 8.55 feet per mile. Logging and frozen conditions are similar to those in Penobscot River basin. Natural storage facilities are excellent, with some 420 square miles of lake and pond surface. Moosehead Lake, with an area of 115 square miles, is the largest lake in New England. Much of the storage is used for log driving purposes. Much power has been developed, but many valuable sites for power plants are available, and improvements in storage regulation would greatly improve existing developments.

Androscoggin River basin is, in general, more elevated than any other watershed on the Atlantic coast. It is naturally provided with some of the best storage facilities of any river in the East, with a total of some 312 square miles of lake surface. Androscoggin River is probably the most fully developed, in respect to water power per square mile of drainage area, of any river in the country. Of the 1,240-foot fall between Umbagog Lake and tide water, over 600 feet have been developed. Androscoggin River is an important stream for log driving. Winter conditions in the northern portions are very severe and the lowest flow of the year often occurs during the winter months.

Presumpscot River is the outlet of Sebago Lake and rises about 17 miles northwest of Portland. The total water surface in the drainage basin is 97 square miles, or about 16 per cent of the total area. Sebago Lake is utilized for storage purposes and, as shown in the accompanying table, the regularity of flow obtained is remarkable. Nowhere in the United States is there a better example of efficient regulation of storage than on the Presumpscot.

Monthly discharge of St. Croix River at Sprague's Falls, Me., for periods April, 1903–5, and 1908; May–November, 1903–8; December, 1903–4, and December, 1906–8.

[Drainage area, 1,420 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
April	14,300	2,380	4,690	3.30
May	12,800	1.330	7,680	5.41
June	7.500	1,330	3,120	2.20
July	4,390	1,470	2,830	1.99
August	3,470	925	2,110	1.49
September	3,300	545	1,540	1.08
October	3,130	480	1,500	1.06
November	4,390	480	1,520	1.07
December	2,780	925	1,870	1.32

Monthly discharge of Penobscot River at Millinocket, Me., for period 1901–8.

[Drainage area, 1,880 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	3,570	141	1,660	0.883
February	3,440	188	1,680	0.894
March	21,000	109	2,390	1.27
April	24,200	221	5,420	2.88
May	20.200	1,520	7,220	3.84
June	20,600	750	4,900	2.61
July	8,140	330	3,350	1.78
August	6,750	660	3,020	1.61
September	4,470	410	2,160	1.15
October	8,110	355	1,830	0.973
November	9,200	50	2,170	1.15
December	7,910	50	1,920	1.02
Mean for the entire period	24,200	50	3,140	1.67

Monthly discharge of Penobscot River at West Enfield, Me., for periods January–March, 1907–8; April, 1902–3, and 1907–8; May–November, 1902–8, and December, 1907.

[Drainage area, 6,630 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	....	....	9,060	1.37
February	....	....	16,200	2.45
March	....	....	7,060	1.06
April	79,200	3,560	23,500	3.54
May	89,800	6,660	32,300	4.87
June	53,000	4,320	15,600	2.35
July	31,800	3,930	25,400	3.83
August	18,700	2,960	7,560	1.14
September	11,900	1,670	13,000	1.96
October	24,200	1,600	19,400	2.93
November	43,800	1,760	27,800	4.19
December	....	....	16,800	2.53
Mean for the entire period	....	....	17,800	2.68

Monthly discharge of Kennebec River at North Anson, Me., for periods January–March, 1904–6; April–November, 1902–6; December, 1903–6.

[Drainage area, 2,790 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	3,420	510	1,680	0.602
February	2,260	510	1,330	0.477
March	19,700	510	2,080	0.746
April	36,400	1,340	10,300	3.69
May	30.100	3,920	11,500	4.12
June	23,800	2,530	8,080	2.90
July	10,000	2,380	5,360	1.92
August	7,830	1,540	3,580	1.28
September	7,050	1,420	2,870	1.03
October	9,590	930	2,770	0.993
November	8,840	800	2,280	0.817
December	5,500	670	2,083	0.747
Mean for the entire period	36,400	510	4,490	1.61

Monthly discharge of Androscoggin River at Dixfield, Me., for periods January–February, 1907–8; March, 1903, and 1907–8; April–November, 1903–8; December, 1907–8.

[Drainage area, 2,230 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	4,270	1,550	2,120	0.951
February	7,200	1,450	2,520	1.13
March	24,300	1,550	6,990	3.13
April	27,000	1,790	8,130	3.65
May	33,200	3,680	10,300	4.62
June	24,700	1,660	5,080	2.28
July	10,200	1,260	2,790	1.25
August	23,100	1,330	2,340	1.05
September	9,340	1,060	2,160	0.969
October	19,100	1,500	2,830	1.27
November	29,200	1,160	6,110	2.74
December	19,900	1,540	3,075	1.38
Mean for the entire period	33,200	1,060	4,540	2.04

Monthly discharge of Presumpscot River at Sebago Lake, Me., for period 1899–1908.

[Drainage area, 420 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	817	123	572	1.36
February	893	125	572	1.36
March	967	42	534	1.27
April	7,000	15	909	2.16
May	2,080	0	702	1.68
June	993	150	619	1.47
July	836	67	607	1.45
August	817	150	604	1.44
September	817	150	598	1.42
October	817	125	598	1.42
November	900	117	609	1.45
December	747	117	560	1.33
Mean for the entire period	7,000	0	624	1.49

Monthly discharge of Aroostook River at Fort Fairfield, Me., for periods January–April, 1907–8; May, 1906–8; June–November, 1904–8; December, 1907–8.

[Drainage area, 2,230 square miles.]

Month.	Discharge in cubic feet per second.			
	Maximum.	Minimum.	Mean.	Per square mile.
January	....	....	1,150	0.511
February	....	....	672	0.301
March	....	....	1,400	0.628
April	....	....	5,300	2.38
May	34,300	5,720	17,800	7.98
June	18,000	1,020	4,520	2.03
July	8,770	180	2,070	0.928
August	14,200	130	1,540	0.691
September	4,840	130	1,210	0.543
October	13,400	130	2,140	0.960
November	11,600	180	2,010	0.901
December	....	....	2,470	1.11
Mean for the entire period	....	....	3,520	1.58

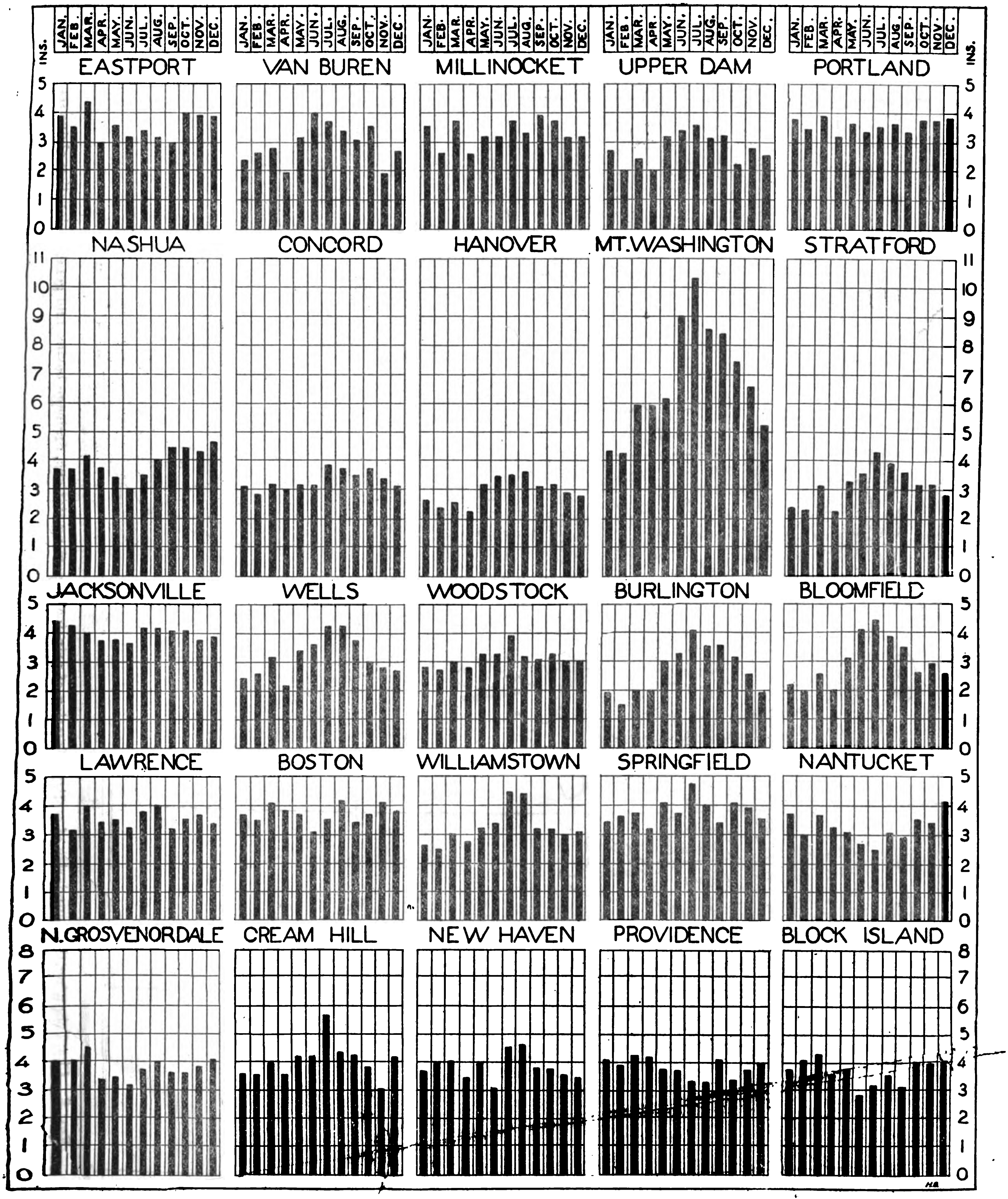
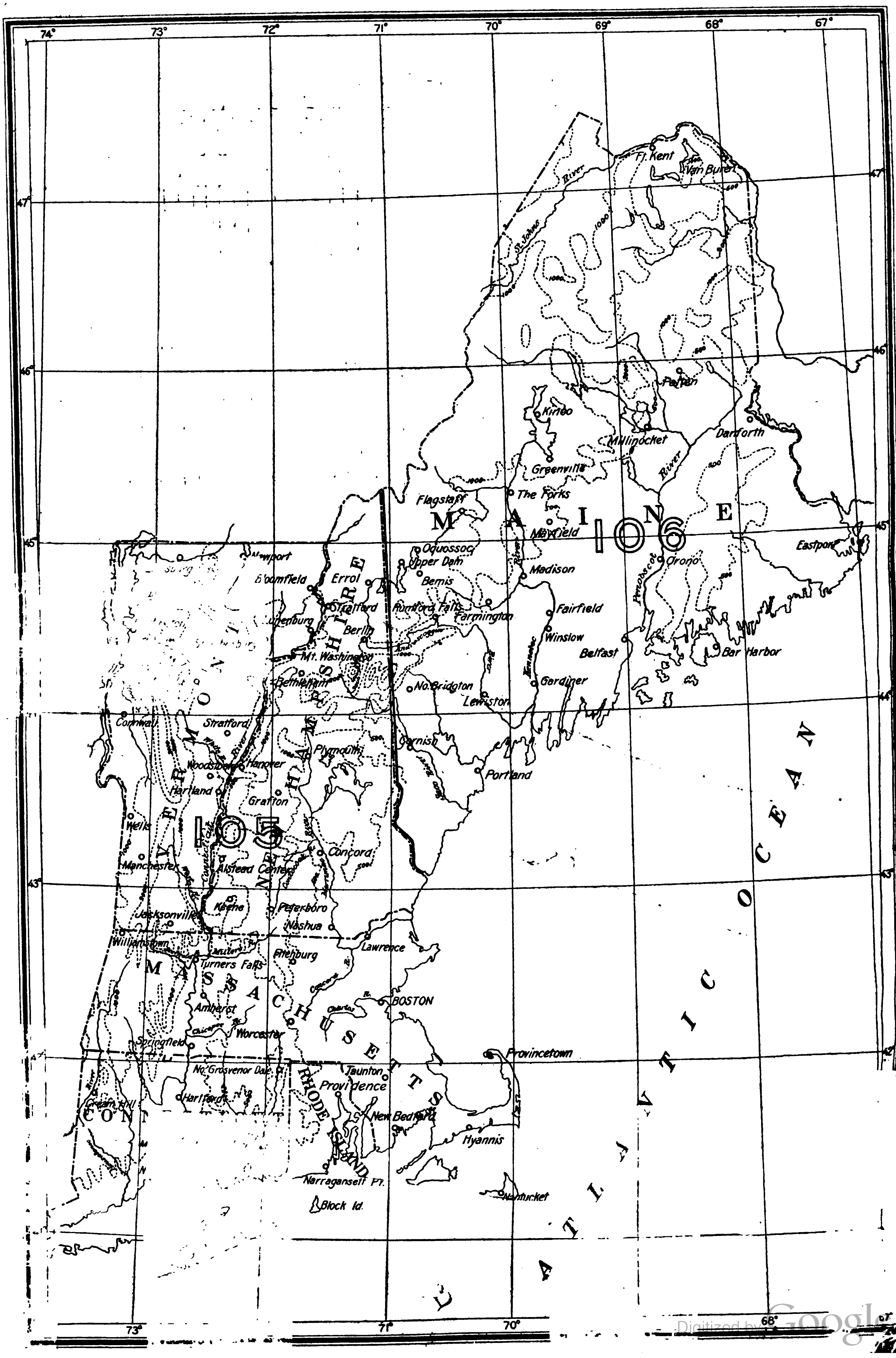


FIG. 1.—Chart showing the comparative monthly distribution of precipitation.



owing the boundaries of sections, location of principal reporting stations, drainage basins, and general elevation above sea level.

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